

WELCOME

Welcome to Windust Hydraulics Product Catalogue.

In here you will find our most popular range of hydraulic parts, components and products which we stock right here in New Zealand.

As your **Hydraulic Solution Specialists** we are dedicated in providing you technical hydraulic support whilst sourcing you the highest quality product at the very best price.

For your customised pricing and technical advice give us a call, that's what we're here for.

DISCLAIMER

- > *All performance and specification figures are taken from the latest possible literature and may vary from older literature versions.*
- > *Product photos shown are indicative only. Actual products may differ from that shown.*
- > *Failure or improper selection or improper use of the products described herein or related items can cause death, personal injury and property damage. Whilst every reasonable effort has been made to ensure that the information contained herein is accurate, no warranty is given that it is free from error or omission. Windust Hydraulic Services Ltd will not accept liability for any injury, loss or damage arising directly or indirectly from any use or reliance on this information.*



**HYDRAULIC
SOLUTION
SPECIALISTS**

11 Kells Place
Frankton
HAMILTON 3204
New Zealand

P +64 07 847 6888
www.windusthydraulics.co.nz



PUMPS

MOTORS

VALVES

FILTRATION

COUPLINGS

BELL HOUSING

LINE MOUNT VALVES

ACCUMULATORS

PTO GEAR BOX

COOLERS

TANKS

LOG SPLITTER COMPONENTS

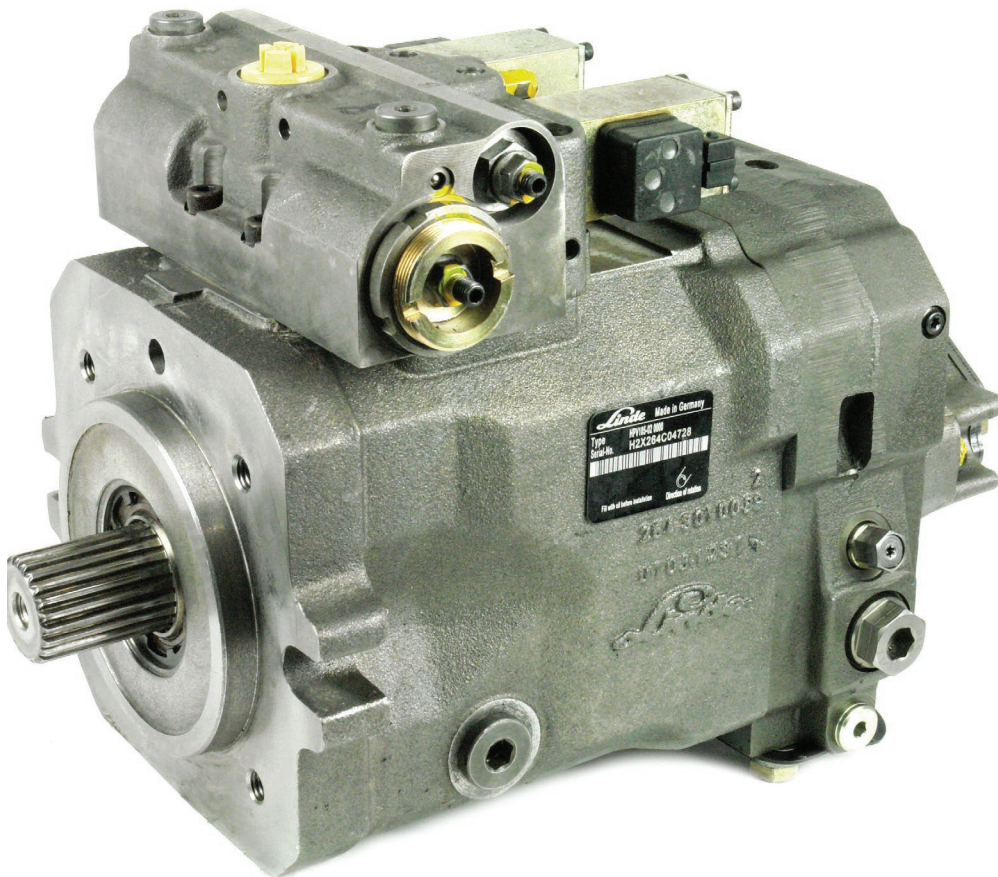
POWER PACKS

PORT FLANGES

ACCESSORIES



PUMPS



PUMPS

Index

PRODUCT	BRAND	MODEL	PAGE
Gear Pump (Aluminium)	Marzocchi	Group 1	08
Gear Pump (Aluminium)	Marzocchi	Group 2 Euro	09
Gear Pump (Aluminium)	Marzocchi	Group 2 SAE	10
Gear Pump (Aluminium)	Marzocchi	Group 3 Euro	11
Gear Pump (Aluminium)	Ronzio	Group 1 Euro	12
Gear Pump (Aluminium)	Ronzio	Group 2 Euro	13
Gear Pump (Aluminium)	Ronzio	Group 2 SAE	14
Gear Pump (Aluminium)	Ronzio	Group 2 German PCD	15
Gear Pump (Aluminium)	Ronzio	Group 2 German D3 PCD	16
Gear Pump (Aluminium)	Ronzio	Group 2 German M3 PCD	17
Gear Pump (Aluminium)	Ronzio	Group 3 Euro	18
Gear Pump (Aluminium)	Ronzio	Group 3 SAE	19
Gear Pump (Aluminium)	Prince	Group 2 SAE	20
Gear Pump (Cast Iron)	Ronzio	Group 3 Euro	21
Gear Pump (Cast Iron)	Permco	P124 Bush	22
Gear Pump (Cast Iron)	Permco	P197 Bush	23
Gear Pump (Cast Iron)	Permco	P257 Bush	24
Gear Pump (Cast Iron)	Permco	P360 Bush	25
Gear Pump (Cast Iron)	Permco	P2100 Bearing	26
Gear Pump (Cast Iron)	Permco	P3100 Bearing	27
Gear Pump (Cast Iron)	Permco	P5100 Bearing	28
Gear Pump (Cast Iron)	Permco	P7600 Bearing	29
Gear Pump (Cast Iron)	Permco	P2500 (25x) Bearing	30
Gear Pump (Cast Iron)	Permco	P3700 (37x) Bearing	31
Gear Pump (PTO)	Ronzio	ISO	32
Gear Pump (PTO)	Ronzio	UNI	33
Multiple Gear Pump (Aluminium)	Marzocchi	Group 1.5 Euro	34
Multiple Gear Pump (Aluminium)	Marzocchi	Group 2 Euro	35
Multiple Gear Pump (Aluminium)	Marzocchi	Group 2 SAE	36
Multiple Gear Pump (Aluminium)	Marzocchi	Group 3 Euro	37
Multiple Gear Pump (Aluminium)	Ronzio	Group 1 Euro	38
Multiple Gear Pump (Aluminium)	Ronzio	Group 2 Euro	39
Multiple Gear Pump (Aluminium)	Ronzio	Group 2 SAE	40
Multiple Gear Pump (Aluminium)	Ronzio	Group 2 German PCD	41
Multiple Gear Pump (Aluminium)	Ronzio	Group 2 German D3 PCD	42
Multiple Gear Pump (Aluminium)	Ronzio	Group 2 German M3 PCD	43
Multiple Gear Pump (Aluminium)	Ronzio	Group 3 Euro	44
Multiple Gear Pump (Aluminium)	Ronzio	Group 3 SAE	45

PRODUCT**BRAND****MODEL****PAGE**

<u>Multiple Gear Pump (Cast Iron)</u>	<u>Permco</u>	<u>P124 Bush</u>	<u>46</u>
<u>Multiple Gear Pump (Cast Iron)</u>	<u>Permco</u>	<u>P197 Bush</u>	<u>47</u>
<u>Multiple Gear Pump (Cast Iron)</u>	<u>Permco</u>	<u>P257 Bush</u>	<u>48</u>
<u>Multiple Gear Pump (Cast Iron)</u>	<u>Permco</u>	<u>P360 Bush</u>	<u>49</u>
<u>Multiple Gear Pump (Cast Iron)</u>	<u>Permco</u>	<u>P2100 Bearing</u>	<u>50</u>
<u>Multiple Gear Pump (Cast Iron)</u>	<u>Permco</u>	<u>P3100 Bearing</u>	<u>51</u>
<u>Multiple Gear Pump (Cast Iron)</u>	<u>Permco</u>	<u>P5100 Bearing</u>	<u>52</u>
<u>Multiple Gear Pump (Cast Iron)</u>	<u>Permco</u>	<u>P7600 Bearing</u>	<u>53</u>

<u>Gear Pump Special Assembly Build</u>	<u>Ronzio</u>	<u>Group 2</u>	<u>54</u>
<u>Gear Pump Special Assembly Build</u>	<u>Permco</u>	<u>P124, P197 Bush</u>	<u>55</u>
<u>Gear Pump Special Assembly Build</u>	<u>Permco</u>	<u>P257, P360 Bush</u>	<u>56</u>
<u>Gear Pump Special Assembly Build</u>	<u>Permco</u>	<u>P2100, P3000, P3100 Bearing</u>	<u>57</u>
<u>Gear Pump Special Assembly Build</u>	<u>Permco</u>	<u>P5000, P5100, P7500, P7600 Bearing</u>	<u>58</u>
<u>Gear Pump Special Assembly Build</u>	<u>Permco</u>	<u>Dry Valve Option</u>	<u>59</u>

<u>Vane Pump (Single)</u>	<u>Veljan</u>	<u>VT6CM</u>	<u>60</u>
<u>Vane Pump (Single)</u>	<u>Veljan</u>	<u>VT6DM</u>	<u>61</u>
<u>Vane Pump (Single)</u>	<u>Veljan</u>	<u>VT6EM</u>	<u>62</u>
<u>Vane Pump (Double)</u>	<u>Veljan</u>	<u>VT6CCM</u>	<u>66</u>
<u>Vane Pump (Double)</u>	<u>Veljan</u>	<u>VT6DCM</u>	<u>68</u>
<u>Vane Pump (Double)</u>	<u>Veljan</u>	<u>VT6ECM</u>	<u>70</u>
<u>Vane Pump (Double)</u>	<u>Veljan</u>	<u>VT6EDM</u>	<u>72</u>
<u>Vane Pump (Triple)</u>	<u>Veljan</u>	<u>VT6DCCM</u>	<u>74</u>

<u>Piston Pump</u>	<u>Linde</u>	<u>HPV - Variable Displacement</u>	<u>76</u>
<u>Piston Pump</u>	<u>Linde</u>	<u>HPR - Regulated Displacement</u>	<u>77</u>
<u>Piston Pump</u>	<u>A10V</u>	<u>Genuine Re-manufactured A10V</u>	<u>78</u>
<u>Piston Pump</u>	<u>Cassapa</u>	<u>MVP - Variable Displacement</u>	<u>79</u>
<u>Piston Pump</u>	<u>Sauer Danfoss</u>	<u>PV20 Series - Variable Displacement</u>	<u>80</u>
<u>Piston Pump</u>	<u>Sauer Danfoss</u>	<u>90 Series - Variable Displacement</u>	<u>81</u>
<u>Piston Pump</u>	<u>Vickers</u>	<u>PVB - Variable Displacement</u>	<u>82</u>
<u>Piston Pump</u>	<u>Vickers</u>	<u>PVE - Variable Displacement</u>	<u>83</u>
<u>Piston Pump</u>	<u>Vickers</u>	<u>PVH - Variable Displacement</u>	<u>84</u>
<u>Piston Pump</u>	<u>Vickers</u>	<u>TA 1919 Hydra-Static Tandem</u>	<u>85</u>
<u>Piston Pump</u>	<u>Sunfab</u>	<u>SC DIN - Fixed Displacement</u>	<u>86</u>
<u>Piston Pump</u>	<u>Sunfab</u>	<u>SC SAE - Fixed Displacement</u>	<u>87</u>
<u>Piston Pump</u>	<u>Sunfab</u>	<u>SAP - Fixed Displacement</u>	<u>88</u>
<u>Piston Pump</u>	<u>Sunfab</u>	<u>SL Dual - Fixed Displacement</u>	<u>89</u>
<u>Piston Pump</u>	<u>Sunfab</u>	<u>SVH - Variable Displacement</u>	<u>90</u>

<u>Hand Pump</u>	<u>Badestnost</u>	<u>Tankless Hand Pump, Hand Pump 1 Way</u>	<u>91</u>
<u>Hand Pump</u>	<u>Badestnost</u>	<u>Tank 1 Way, Hand Pump 2 Way S/A</u>	<u>92</u>
<u>Hand Pump</u>	<u>Badestnost</u>	<u>Hand Pump 2 Way S/A, Tank 2 Way</u>	<u>93</u>



PUMPS

Gear Pump (Aluminium)



- > SHAFT: 1.8 taper 26.3 Nm
- > SPIGOT: 25.4mm
- > MOUNT: Euro 4 Bolt 71.9 x 52.4mm
- > PORTS: 3/8" BSPP

> Front Cover Change Needed to Change Direction of Rotation

> D = CW Rotation

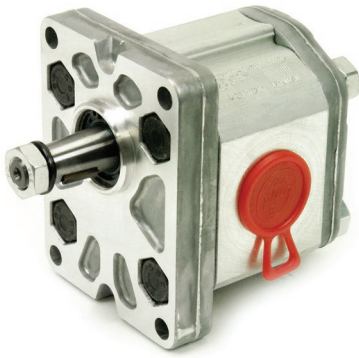
> S = CCW Rotation

GROUP 1

MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR		
			Continuous	Intermittent	Peak
<u>1PD16GAS</u>	1.1	6000	230	250	270
<u>1PD20GAS</u>	1.3	6000	230	250	270
<u>1PD25GAS</u>	1.6	6000	230	250	270
<u>1PD33GAS</u>	2.1	6000	230	250	270
<u>1PD42GAS</u>	2.7	6000	230	250	270
<u>1PD50GAS</u>	3.2	5000	210	230	250
<u>1PD58GAS</u>	3.7	4500	210	230	250
<u>1PD67GAS</u>	4.2	4000	210	230	250
<u>1PD75GAS</u>	4.8	3500	190	210	230
<u>1PD92GAS</u>	5.8	3000	190	210	230
<u>1PD115GAS</u>	8.0	2100	160	180	200

SPARE PARTS

MODEL	DESCRIPTION
<u>601564</u>	Relief Valve in Rear Cover Relieving to Suction
<u>601505</u>	Seal Kit
<u>524198</u>	Shaft Seal Only



PUMPS

Gear Pump (Aluminium)



- > SHAFT: 1.8 taper 150 Nm
- > SPIGOT: 36.5mm
- > MOUNT: Euro 4 bolt 96 x 71.55mm
- > PORTS: PCD Port sizes

6 - 13	30 x 30
16 - 40	40 x 30
50	40 x 40
- > BSPP Ports Available
- > D = CW Rotation
- > S = CCW Rotation

GROUP 2 EURO

MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR		
			Continuous	Intermittent	Peak
ALP2D6T3	4.5	4000	250	270	290
ALP2D9T3	6.4	4000	250	270	290
ALP2D10T3EP	7.0	4000	250	270	290
ALP2D12T3EP	8.3	3500	250	270	290
ALP2D13T3EP	9.6	3000	250	270	290
ALP2D16T3EP	11.5	4000	230	250	270
ALP2D20T3EP	14.1	4000	230	250	270
ALP2D22T3EP	16.0	4000	210	225	240
ALP2D25T3EP	17.9	3600	210	225	240
ALP2D30T3EP	21.1	3200	180	195	210
ALP2D34T3EP	23.7	3000	180	195	210
ALP2D37T3EP	25.5	2800	170	185	200
ALP2D40T3EP	28.2	2500	170	185	200
ALP2D50T3EP	35.2	2500	140	155	170

SPARE PARTS

MODEL	DESCRIPTION
601619	Relief Valve in Rear Cover Relieving to Suction
650226	Seal Kit
524228	Shaft Seal Only



PUMPS

Gear Pump (Aluminium)

- > SHAFT: C1 = 5/8" Parallel Keyed 135 Nm
S1 = 5/8" 9 Spline 185Nm
- > SPIGOT: 3 1/4"
- > MOUNT: SAE A 2 Bolt
- > PORTS: UNO 6 - 40 Suction 1 1/16" Pressure 7/8"
50 Suction 1 1/16" Pressure 1 1/16"
- > D = CW Rotation
- > S = CCW Rotation



GROUP 2 SAE

MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR		
			Continuous	Intermittent	Peak
ALP2AD6S1	4.5	4000	250	270	290
ALP2AD9S1	6.4	4000	250	270	290
ALP2AD10S1	7.0	4000	250	270	290
ALP2AD12S1	8.3	4000	250	270	290
ALP2AD13S1	9.6	4000	250	270	290
ALP2AD16S1	11.5	4000	230	250	270
ALP2AD20S1	14.1	3200	230	250	270
ALP2AD22S1	16.0	2800	210	225	240
ALP2AD25S1	17.9	2500	210	225	240
ALP2AD30S1	21.1	2200	180	195	210
ALP2AD34S1	23.7	2000	180	195	210
ALP2AD37S1	25.5	1800	170	185	200
ALP2AD40S1	28.2	1800	170	185	200
ALP2AD50S1	35.2	2000	140	155	170

SPARE PARTS

MODEL	DESCRIPTION
601619	Relief Valve in Rear Cover Relieving to Suction
650226	Seal Kit
524228	Shaft Seal Only



PUMPS

Gear Pump (Aluminium)



> SHAFT:	1.8 taper 250 Nm	
> SPIGOT:	50.8mm	
> MOUNT:	Euro 4 Bolt 128 x 98.5mm	
> PORTS:	PCD Port Sizes	30 - 80 56 x 56
		66 51 x 51
		94 - 135 62 x 51

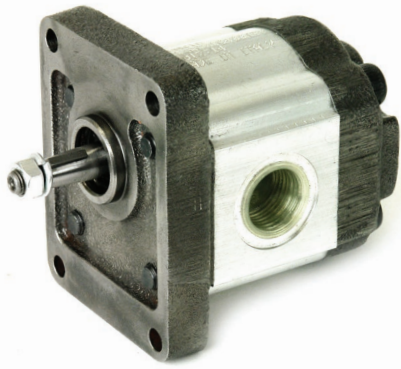
- > D = CW Rotation
- > S = CCW Rotation

GROUP 3 EURO

MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR		
			Continuous	Intermittent	Peak
ALP3D30	20	3500	230	250	270
ALP3D33	22	3500	230	250	270
ALP3D40	26	3000	230	250	270
ALP3D50	33	3000	230	250	270
ALP3D60	39	3000	230	250	270
ALP3D66	44	2800	210	230	250
ALP3D80	52	2400	200	215	230
ALP3D94	61	2800	190	205	220
ALP3D110	71	2500	170	185	200
ALP3D120	78	2300	160	175	190
ALP3D135	87	2000	140	155	170

SPARE PARTS

MODEL	DESCRIPTION
650231	Seal Kit
524229	Shaft Seal Only



PUMPS

Gear Pump (Aluminium)

- > SHAFT: 1.8 Taper
- > SPIGOT: 25.4mm
- > MOUNT: Euro 4 Bolt 71.9 x 52.4mm
- > PORTS: ½" x ⅜" BSPP



- > Alloy Body with Cast Iron Ends
- > D = CW Rotation
- > S = CCW Rotation

GROUP 1 EURO

MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR	
			Continuous	Peak
01ZAG11C400TD	1.1	6000	210	250
01ZAG21C400TD	2.1	6000	210	250
01ZAG32C400TD	3.2	4500	210	250
01ZAG37C400TD	3.7	4000	210	250
01ZAG42C400TD	4.2	3800	190	230
01ZAG55C400TD	5.5	3500	160	200
01ZAG62C400TD	6.2	3000	140	180
01ZAG78C400TD	7.8	3000	120	160

SPARE PARTS

MODEL	DESCRIPTION
K1000010	Seal Kit



PUMPS

Gear Pump (Aluminium)

- > SHAFT: 1.8 taper
- > SPIGOT: 36.5mm
- > MOUNT: Euro 4 Bolt 96 x 71.55mm
- > PORTS: PCD Port Sizes 4 - 8cc 30 x 30
11 - 31cc 40 x 30
- > BSPP Ports Available
- > Alloy Body with Cast Iron Ends
- > D = CW Rotation
- > S = CCW Rotation



GROUP 2 EURO

MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR	
			Continuous	Peak
02ZAG04C032TD	4.4	4500	300	360
02ZAG06C032TD	6.28	4500	300	360
02ZAG08C032TD	8.16	3700	300	360
02ZAG11C033TD	11.3	3300	300	360
02ZAG14C033TD	14.45	2700	300	360
02ZAG17C033TD	16.95	2500	270	330
02ZAG20C033TD	20.1	2500	230	290
02ZAG25C033TD	25.75	2500	180	230
02ZAG31C033TD	31.4	2200	160	200

SPARE PARTS

MODEL	DESCRIPTION
02Z-S	Seal Kit
02Z-S-V	Seal Kit Viton
MIM30197	Shaft Seal for 11T 3/4" & 10T 17mm Shafts



PUMPS

Gear Pump (Aluminium)



- > SHAFT: $\frac{5}{8}$ " Keyed, $\frac{5}{8}$ " 9T Spline, 11T, 10T
- > SPIGOT: 3 $\frac{1}{4}$ "
- > MOUNT: 2 Bolt SAE A
- > PORTS: UNO Port Sizes 4 - 11 $\frac{7}{8}$ " x $\frac{7}{8}$ " UNO
 14 - 31 1 $\frac{1}{16}$ " x $\frac{7}{8}$ " UNO

- > Alloy Body with Cast Iron Ends
- > D = CW Rotation
- > S = CCW Rotation

GROUP 2 SAE

MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR	
			Continuous	Peak
02ZCG04L437D	4.4	4500	300	360
02ZCG06L437D	6.28	4500	300	360
02ZCG08L437D	8.16	3700	300	360
02ZCG11L437D	11.3	3300	300	360
02ZCG14L438D	14.45	2700	300	360
02ZCG17L438D	16.95	2500	270	330
02ZCG20L438D	20.1	2500	230	290
02ZCG25L438D	25.75	2500	180	230
02ZCG31L438D	31.4	2200	160	200

> MODEL CODES REFER TO KEYED SHAFTS

SPARE PARTS

MODEL	DESCRIPTION
02Z-S	Seal Kit
02Z-S-V	Seal Kit Viton
MIM30197	Shaft Seal for 11T $\frac{3}{4}$ " & 10T 17mm Shafts



PUMPS

Gear Pump (Aluminium)

- > SHAFT: 1.5 Taper or 9T DIN Spline (16.5mm)
- > SPIGOT: 80mm
- > MOUNT: 4 Bolt German 100 x 72mm
- > PORTS: PCD 40 x 35



- > Alloy Body with Cast Iron Ends
- > D = CW Rotation
- > S = CCW Rotation

GROUP 2

4 BOLT GERMAN PCD

MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR	
			Continuous	Peak
02ZBG04A136TD	4.4	4500	300	360
02ZBG06A136TD	6.28	4500	300	360
02ZBG08A136TD	8.16	3700	300	360
02ZBG11A136TD	11.3	3300	300	360
02ZBG14A136TD	14.45	2700	300	360
02ZBG17A136TD	16.95	2500	270	330
02ZBG20A136TD	20.1	2500	230	290
02ZBG25A136TD	25.75	2500	180	230
02ZBG31A136TD	31.4	2200	160	200

> MODEL CODES REFER TO 1:5 TAPER

SPARE PARTS

MODEL	DESCRIPTION
02Z-S	Seal Kit
02Z-S-V	Seal Kit Viton
MIM30197	Shaft Seal for 11T 3/4" & 10T 17mm Shafts



PUMPS

Gear Pump (Aluminium)



- > SHAFT: 1.5 Taper or 9T DIN Spline (16.5mm)
- > SPIGOT: 50mm
- > MOUNT: 2 Bolt German 60 x 60
- > MOUNTING HOLES: 5 o'clock / 11 o'clock
- > PORTS: PCD 40 x 35

- > Alloy Body with Cast Iron Ends
- > D = CW Rotation
- > S = CCW Rotation

GROUP 2

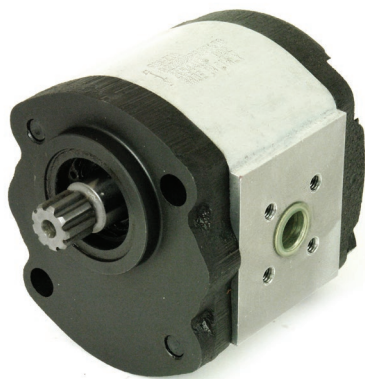
2 BOLT GERMAN D3 PCD

MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR	
			Continuous	Peak
02ZDG04A336TD	4.4	4500	300	360
02ZDG06A336TD	6.28	4500	300	360
02ZDG08A336TD	8.16	3700	300	360
02ZDG11A336TD	11.3	3300	300	360
02ZDG14A336TD	14.45	2700	300	360
02ZDG17A336TD	16.95	2500	270	330
02ZDG20A336TD	20.1	2500	230	290
02ZDG25A336TD	25.75	2500	180	230
02ZDG31A336TD	31.4	2200	160	200

> MODEL CODES REFER TO 1:5 TAPER

SPARE PARTS

MODEL	DESCRIPTION
02Z-S	Seal Kit
02Z-S-V	Seal Kit Viton
MIM30197	Shaft Seal for 11T 3/4" & 10T 17mm Shafts



PUMPS

Gear Pump (Aluminium)



- > SHAFT: 1.5 taper or 9T DIN Spline (16.5mm)
- > SPIGOT: 50mm
- > MOUNT: 2 Bolt German 60 x 60
- > MOUNTING HOLES: 1 o'clock / 7 o'clock
- > PORTS: PCD 40 x 35

- > Alloy Body with Cast Iron Ends
- > D = CW Rotation
- > S = CCW Rotation

GROUP 2

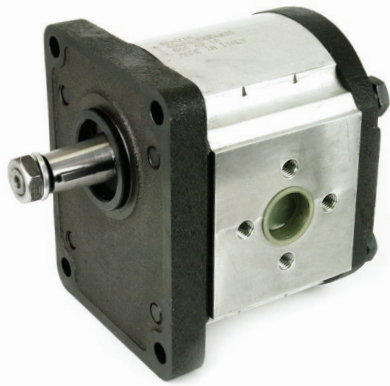
2 BOLT GERMAN M3 PCD

MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR	
			Continuous	Peak
02ZMG04A336TD	4.4	4500	300	360
02ZMG06A336TD	6.28	4500	300	360
02ZMG08A336TD	8.16	3700	300	360
02ZMG11A336TD	11.3	3300	300	360
02ZMG14A336TD	14.45	2700	300	360
02ZMG17A336TD	16.95	2500	270	330
02ZMG20A336TD	20.1	2500	230	290
02ZMG25A336TD	25.75	2500	180	230
02ZMG31A336TD	31.4	2200	160	200

> MODEL CODES REFER TO 1:5 TAPER

SPARE PARTS

MODEL	DESCRIPTION
02Z-S	Seal Kit
02Z-S-V	Seal Kit Viton
MIM30197	Shaft Seal for 11T 3/4" & 10T 17mm Shafts



PUMPS

Gear Pump (Aluminium)



> SHAFT:	1.8 Taper		
> SPIGOT:	50.8mm		
> MOUNT:	128 x 98mm		
> PORTS:	PCD Port Sizes	20 - 55	51 x 40
		60	62 x 51

> Alloy Body with Cast Iron Ends

> D = CW Rotation

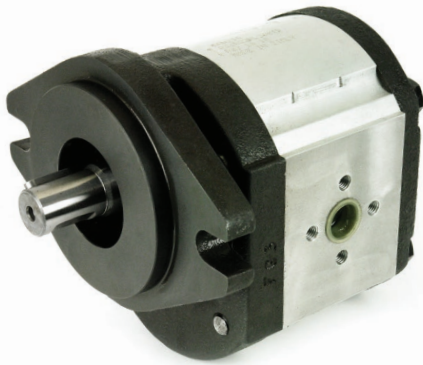
> S = CCW Rotation

GROUP 3 EURO

MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR	
			Continuous	Peak
03ZAG20C048TD	20	3000	280	310
03ZAG25C048TD	25	3000	280	310
03ZAG30C048TD	30	3000	280	310
03ZAG35C048TD	35	3000	280	310
03ZAG40C048TD	40	2700	250	280
03ZAG45C048TD	45	2700	250	280
03ZAG55C048TD	55	2200	230	250
03ZAG60C047TD	60	2000	200	220

SPARE PARTS

MODEL	DESCRIPTION
03Z-S	Seal Kit
03Z-S-V	Seal Kit Viton



PUMPS

Gear Pump (Aluminium)



- > SHAFT: $\frac{7}{8}$ " x 13T Spline or $\frac{7}{8}$ " Straight Keyed
- > SPIGOT: 4"
- > MOUNT: 2 Bolt SAE B
2 Bolt SAE A Available on Request
- > PORTS: PCD 51 x 40

- > Alloy Body with Cast Iron Ends
- > D = CW Rotation
- > S = CCW Rotation

GROUP 3 SAE

MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR	
			Continuous	Peak
03ZBG20B348TD	20	3000	280	310
03ZBG25B348TD	25	3000	280	310
03ZBG30B348TD	30	3000	280	310
03ZBG35B348TD	35	3000	280	310
03ZBG40B348TD	40	2700	250	280
03ZBG45B348TD	45	2700	250	280
03ZBG55B348TD	55	2200	230	250
03ZBG60B348TD	60	2000	200	220

> MODEL CODES REFER TO SPLINE SHAFTS

SPARE PARTS

MODEL	DESCRIPTION
03Z-S	Seal Kit
03Z-S-V	Seal Kit Viton



PUMPS

Gear Pump (Aluminium)



- > SHAFT: 10T x 17mm
- > SPIGOT: 3 ¼"
- > MOUNT: SAE A 2 Bolt
- > PORTS: UNO

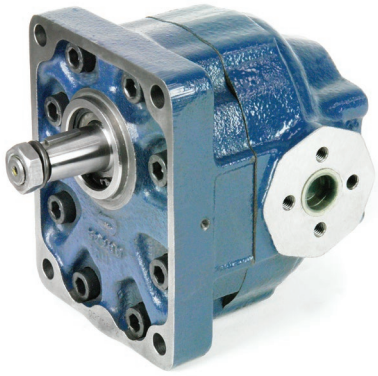
- > Similar to KYB and Shimadzu Pumps
- > Side and Rear Port Available in UNO
- > SAE Flange Port Available 16-33 cc/rev

GROUP 2 SAE

MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR Continuous
SP20B11	11	4000	210
SP20B14	14	4000	210
SP20B16	16	4000	210
SP20B20	20	3500	172
SP20B23	23	3500	172
SP20B27	27	3500	172
SP20B30	30	3500	172
SP20B33	33	3500	172

SPARE PARTS

MODEL	DESCRIPTION
PMCK-SP20	Seal Kit
SP20BSS	Shaft Seal Only



PUMPS

Gear Pump (Cast Iron)

- > SHAFT: 1.8 Taper
- > SPIGOT: 50.8mm
- > MOUNT: 128 x 98mm
- > PORTS: PCD Port Sizes 20 - 55 51 x 40
64 62 x 51



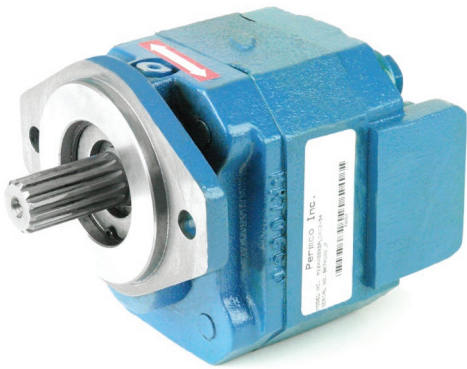
- > Full Cast Iron
- > D = CW Rotation
- > S = CCW Rotation

GROUP 3 EURO

MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR	
			Continuous	Peak
030W002500D	25	3500	300	350
030W003500D	35	3000	280	330
030W004500D	45	2800	250	300
030W005500D	55	2500	230	270
030W006400D	64	2500	200	240

SPARE PARTS

MODEL	DESCRIPTION
030W-S	Seal Kit



PUMPS

Gear Pump (Cast Iron)



- > STANDARD SHAFTS:
 - 5/8" x 9T
 - 3/4" x 11T
 - 7/8" x 13T
 - 5/8" Keyed
 - 3/4" Keyed
 - 7/8" Keyed
- > STANDARD MOUNTS:
 - 2 Bolt SAE A
 - 2 Bolt SAE B

P124 BUSH

CC/REV	MAX PRESSURE BAR Continuous	GEAR WIDTH	MAX RPM
10.2	240	1/2"	3000
15.2	240	3/4"	3000
20.3	240	1"	3000
25.4	240	1 1/4"	3000
30.5	220	1 1/2"	3000
35.6	200	1 3/4"	3000
40.6	170	2"	3000

SPARE PARTS

MODEL	DESCRIPTION
P124-S	Seal Kit



PUMPS

Gear Pump (Cast Iron)



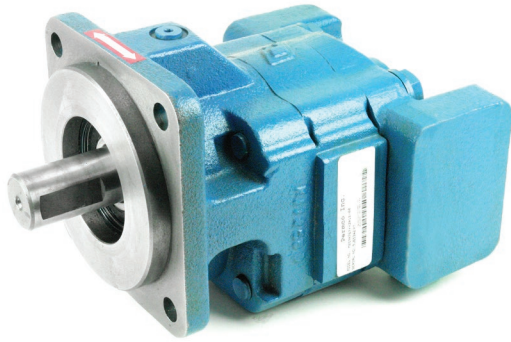
- > STANDARD SHAFTS:
 - 1" Keyed
 - 7/8" x 13T
 - 1" x 15T
- > STANDARD MOUNTS:
 - 2 Bolt SAE A
 - 2 Bolt SAE B
 - 4 Bolt SAE B
 - 4 Bolt SAE C
- > 'C' SHAFTS:
 - 7/8" Keyed
 - 1 1/4" Keyed
 - 1 1/4" x 14T

P197 BUSH

CC/REV	MAX PRESSURE BAR Continuous	GEAR WIDTH	MAX RPM
16.5	240	1/2"	3000
24.3	240	3/4"	3000
32.3	240	1"	3000
40.4	240	1 1/4"	3000
48.4	240	1 1/2"	3000
56.5	220	1 3/4"	3000
64.4	200	2"	3000

SPARE PARTS

MODEL	DESCRIPTION
P197-S	Seal Kit



PUMPS

Gear Pump (Cast Iron)



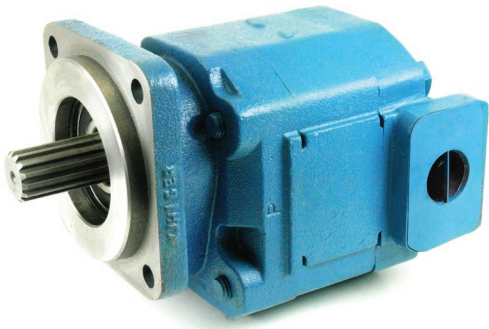
- > STANDARD SHAFTS:
 - 1 ¼" Keyed
 - 1 ¼" 14T
 - ⅞" 13T
- > STANDARD MOUNTS:
 - 2 Bolt SAE B
 - 2 Bolt SAE C
 - 4 Bolt SAE B
 - 4 Bolt SAE C
- > 'C' SHAFTS:
 - 1" 15T

P257 BUSH

CC/REV	MAX PRESSURE BAR Continuous	GEAR WIDTH	MAX RPM
31.3	240	¾"	2400
41.8	240	1"	2400
52.2	240	1 ¼"	2400
62.7	240	1 ½"	2400
73.1	220	1 ¾"	2400
83.6	200	2"	2400
94.0	190	2 ¼"	2400
104.5	170	2 ½"	2400

SPARE PARTS

MODEL	DESCRIPTION
P257-S	Seal Kit



PUMPS

Gear Pump (Cast Iron)



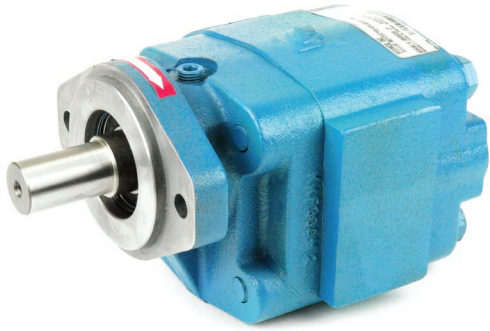
- > STANDARD SHAFTS: 1 ¼" Keyed
1 ¼" 14T
- > STANDARD MOUNTS: 2 Bolt SAE B
2 Bolt SAE C
4 Bolt SAE B
4 Bolt SAE C
- > 'C' SHAFTS: 4 Bolt SAE D
1 ½" 17T

P360 BUSH

CC/REV	MAX PRESSURE BAR Continuous	GEAR WIDTH	MAX RPM
44.3	240	¾"	2400
59.0	240	1"	2400
73.8	240	1 ¼"	2400
88.5	240	1 ½"	2400
103.5	240	1 ¾"	2400
118.0	240	2"	2400
132.8	220	2 ¼"	2400
147.5	200	2 ½"	2400

SPARE PARTS

MODEL	DESCRIPTION
P360-S	Seal Kit



PUMPS

Gear Pump (Cast Iron)



- > STANDARD SHAFTS: 7/8" 13T
 1" Keyed
 7/8" Keyed
- > STANDARD MOUNTS: 2 Bolt SAE A
 2 Bolt SAE B
 2 Bolt SAE B-Short
 4 Bolt SAE B
 6 Bolt Round
 Chelsea Clover

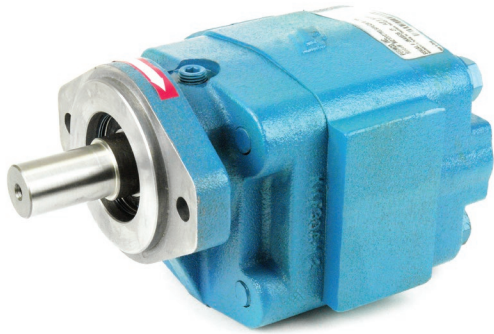
> Contact Us for the Full Range of 'C' Shaft Options

P2100 ROLLER BEARING

CC/REV	MAX PRESSURE BAR <small>Continuous</small>	GEAR WIDTH	MAX RPM
16.1	205	1/2"	2400
24.2	205	3/4"	2400
32.2	205	1"	2400
40.4	205	1 1/4"	2400
48.4	205	1 1/2"	2400
56.5	170	1 3/4"	2400
64.6	170	2"	2400

SPARE PARTS

MODEL	DESCRIPTION
P2100-S	Seal Kit
P2100-S-C	Seal Kit - 'C' Shaft



PUMPS

Gear Pump (Cast Iron)



- > STANDARD SHAFTS:
 - 7/8" Keyed
 - 1" Keyed
 - 5/8" 9T
 - 7/8" 13T
- > STANDARD MOUNTS:
 - 2 Bolt SAE A
 - 2 Bolt SAE B
 - 4 Bolt SAE B
 - 4 Bolt SAE C
 - 6 Bolt Round

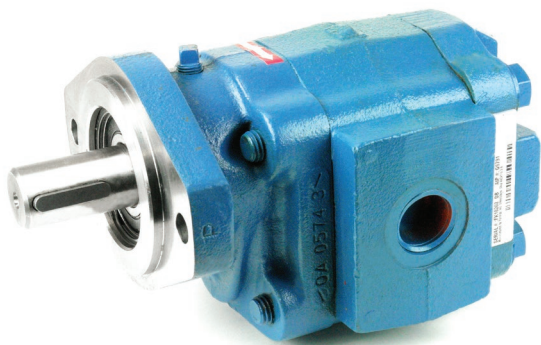
> Contact Us for the Full Range of 'C' Shaft Options

P3100 ROLLER BEARING

CC/REV	MAX PRESSURE BAR Continuous	GEAR WIDTH	MAX RPM
16.2	205	1/2"	2400
24.2	205	3/4"	2400
32.3	205	1"	2400
40.4	205	1 1/4"	2400
48.4	205	1 1/2"	2400
56.5	170	1 3/4"	2400
64.6	170	2"	2400

SPARE PARTS

MODEL	DESCRIPTION
P3000-S	Seal Kit
P3000-S-C	Seal Kit - 'C' Shaft



PUMPS

Gear Pump (Cast Iron)



- > STANDARD SHAFTS:
 - 1 1/4" Keyed
 - 7/8" 13T
 - 1 1/4" 14T
- > STANDARD MOUNTS:
 - 2 Bolt SAE B
 - 2 Bolt SAE C
 - 4 Bolt SAE B
 - 4 Bolt SAE C
 - 6 Bolt Round
- > 'C' SHAFTS:
 - 1" Keyed
 - 1 1/8" Keyed
 - 1" 6T
 - 1" 15T

P5100 ROLLER BEARING

CC/REV	MAX PRESSURE BAR Continuous	GEAR WIDTH	MAX RPM
20.9	205	1/2"	2400
31.3	205	3/4"	2400
41.8	205	1"	2400
52.2	205	1 1/4"	2400
62.7	205	1 1/2"	2400
73.1	170	1 3/4"	2400
83.6	170	2"	2400
94.0	153	2 1/4"	2400
104.5	153	2 1/2"	2400

SPARE PARTS

MODEL	DESCRIPTION
P5000-S	Seal Kit

PUMPS

Gear Pump (Cast Iron)



- > STANDARD SHAFTS:
 - 1 ¼" 14T
 - 1 ¼" Keyed
- > STANDARD MOUNTS:
 - 2 Bolt SAE C
 - 4 Bolt SAE B
 - 4 Bolt SAE C
 - 4 Bolt SAE D
- > 'C' SHAFTS:
 - 1 ¼" Keyed
 - 1 ¾" 13T
 - KOMATSU 19T

P7600 ROLLER BEARING

CC/REV	MAX PRESSURE BAR Continuous	GEAR WIDTH	MAX RPM
50.4	205	¾"	2400
67.2	205	1"	2400
84.0	205	1 ¼"	2400
100.8	205	1 ½"	2400
117.6	205	1 ¾"	2400
134.4	205	2"	2400
151.2	170	2 ¼"	2400
167.8	170	2 ½"	2400
184.8	153	2 ¾"	2400
201.6	153	3"	2400

SPARE PARTS

MODEL	DESCRIPTION
P7500-S	Seal Kit

PUMPS

Gear Pump (Cast Iron)



- > STANDARD SHAFTS: $\frac{7}{8}$ " x 13T
1 $\frac{1}{4}$ " x 14T
1 $\frac{1}{4}$ " Straight Keyed
- > STANDARD MOUNTS: 4 Bolt SAE C
- > Contact Us for the Range of Parts Available

P2500 (25X) ROLLER BEARING

CC/REV	MAX PRESSURE BAR Continuous	GEAR WIDTH	MAX RPM
36.0	138	1"	2400
47.0	138	1 $\frac{1}{4}$ "	2400
56.7	138	1 $\frac{1}{2}$ "	2400
67.8	138	1 $\frac{3}{4}$ "	2400
75.7	138	2"	2400
83.6	138	2 $\frac{1}{4}$ "	2400
91.4	138	2 $\frac{1}{2}$ "	2400

SPARE PARTS

MODEL	DESCRIPTION
W62-26-13	Shaft Seal

PUMPS

Gear Pump (Cast Iron)



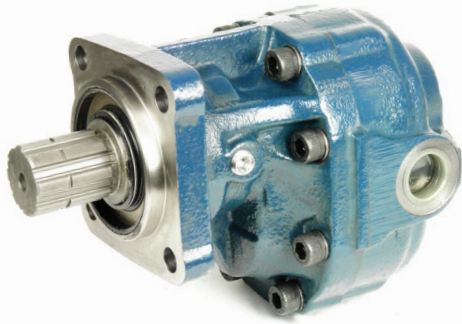
- > STANDARD SHAFTS: 1 ¼" x 14T
1 ¼" Straight Keyed
- > STANDARD MOUNTS: 4 Bolt SAE C
- > Contact Us for the Range of Parts Available

P3700 (37X) ROLLER BEARING

CC/REV	MAX PRESSURE BAR Continuous	GEAR WIDTH	MAX RPM
44.0	155	1"	2400
53.6	155	1 ¼"	2400
66.0	155	1 ½"	2400
78.8	155	1 ¾"	2400
91.4	155	2"	2400
104.0	155	2 ¼"	2400
116.7	155	2 ½"	2400

SPARE PARTS

MODEL	DESCRIPTION
W62-34-10	Viton Shaft Seal



PUMPS

Gear Pump (PTO)

- > SHAFT: 35mm x 8T
- > SPIGOT: 80mm
- > MOUNT: 4 Bolt 80 x 80
- > PORTS: BSPP



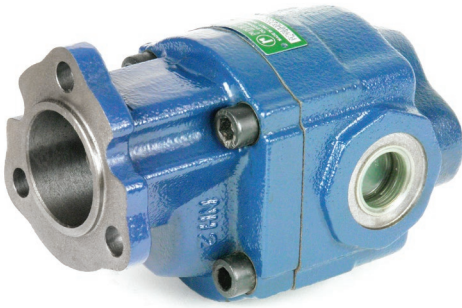
- > D = CW Rotation
- > S = CCW Rotation

ISO

MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR	
			Continuous	Peak
032NF025E0S	25	3000	300	350
032NF035E0S	35	2500	280	330
032NF045E0S	45	2200	250	300
032NF055E0S	55	2000	230	270
032NF064E0S	64	2000	200	240
032NF080E0S	80	1800	170	210
042NF075E0S	75	1800	270	320
042NF090E0S	90	1800	250	300
042NF110E0S	110	1500	240	280
042NF130E0S	130	1500	220	260
042NF150E0S	150	1500	180	220

SPARE PARTS

MODEL	DESCRIPTION	SIZE
ISONF58-SK	Seal Kit	032NF
ISONF76-SK	Seal Kit	042NF



PUMPS

Gear Pump (PTO)

- > SHAFT: 6T
- > SPIGOT: 52mm
- > MOUNT: 3 Bolt
- > PORTS: BSPP

- > D = CW Rotation
- > S = CCW Rotation



UNI

MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR	
			Continuous	Peak
<u>032NF02500S</u>	25	3000	300	350
<u>032NF03500S</u>	35	2500	280	330
<u>032NF04500S</u>	45	2200	250	300
<u>032NF05500S</u>	55	2000	230	270
<u>032NF06400S</u>	64	2000	200	240
<u>032NF08000S</u>	80	1800	170	210
<u>042NF07500S</u>	75	1800	270	320
<u>042NF09000S</u>	90	1800	250	300
<u>042NF11000S</u>	110	1500	240	280
<u>042NF13000S</u>	130	1500	220	260
<u>042NF15000S</u>	150	1500	180	220

SPARE PARTS

MODEL	DESCRIPTION	SIZE
<u>UNINF58-SK</u>	Seal Kit	032NF
<u>UNINF76-SK</u>	Seal Kit	042NF



PUMPS

Multiple Gear Pump Modules (Aluminium)



- > SHAFT: 1.8 Taper 100 Nm 3mm Key
- > SPIGOT: 30mm
- > MOUNT: EURO 4 Bolt 73mm x 56mm
- > PORTS: PCD 30 x 30

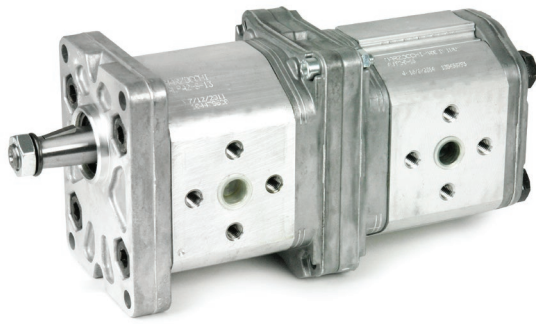
- > D = CW Rotation
- > S = CCW Rotation

GROUP 1.5 EURO

FRONT	MIDDLE	REAR	CC/REV	MAX RPM	MAX PRESSURE BAR		
					Continuous	Intermittent	Peak
ALPA1D2	ALPI12	ALPP1D2	1.4	6000	290	310	290
ALPA1D3	ALPI13	ALPP1D3	2.1	6000	290	310	290
ALPA1D4	ALPI14	ALPP1D4	2.8	5000	290	310	290
ALPA1D5	ALPI15	ALPP1D5	3.5	5000	270	290	290
ALPA1D6	ALPI16	ALPP1D6	4.1	4000	270	290	290
ALPA1D7	ALPI17	ALPP1D7	5.2	4000	260	280	290
ALPA1D9	ALPI19	ALPP1D9	6.2	3800	260	280	290

SPARE PARTS

MODEL	DESCRIPTION
650164	Joining Kit
650311	Seal Kit
524214	Shaft Seal Only



PUMPS

Multiple Gear Pump Modules (Aluminium)

- > SHAFT EURO: 1.8 Taper 150 Nm 4mm Key
- > MOUNT EURO: 4 Bolt 96mm x 71.55mm
- > PORTS: PCD Port Sizes 6 and 9 30 x 30
All Other Sizes 40 x 40



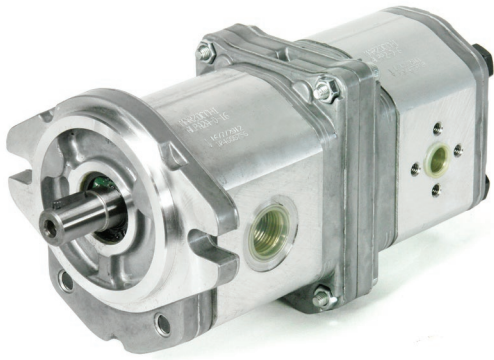
- > D = CW Rotation
- > S = CCW Rotation

GROUP 2 EURO

FRONT	MIDDLE	REAR	CC/REV	MAX RPM	MAX PRESSURE BAR		
					Continuous	Intermittent	Peak
<u>ALPA2D6</u>	<u>ALPI26</u>	<u>ALPP2D6</u>	4.5	4000	250	270	290
<u>ALPA2D9</u>	<u>ALPI29</u>	<u>ALPP2D9</u>	6.4	4000	250	270	290
<u>ALPA2D10</u>	<u>ALPI210</u>	<u>ALPP2D10</u>	7.0	4000	250	270	290
<u>ALPA2D12</u>	<u>ALPI212</u>	<u>ALPP2D12</u>	8.3	3500	250	270	290
<u>ALPA2D13</u>	<u>ALPI213</u>	<u>ALPP2D13</u>	9.6	3000	250	270	290
<u>ALPA2D16</u>	<u>ALPI216</u>	<u>ALPP2D16</u>	11.5	4000	230	250	270
<u>ALPA2D20</u>	<u>ALPI220</u>	<u>ALPP2D20</u>	14.1	4000	230	250	270
<u>ALPA2D22</u>	<u>ALPI222</u>	<u>ALPP2D22</u>	16.0	4000	210	225	240
<u>ALPA2D25</u>	<u>ALPI225</u>	<u>ALPP2D25</u>	17.9	3600	210	225	240
<u>ALPA2D30</u>	<u>ALPI230</u>	<u>ALPP2D30</u>	21.1	3200	180	195	210
<u>ALPA2D34</u>	<u>ALPI234</u>	<u>ALPP2D34</u>	23.7	3000	180	195	210
<u>ALPA2D37</u>	<u>ALPI237</u>	<u>ALPP2D37</u>	25.5	2800	170	170	200
<u>ALPA2D40</u>	<u>ALPI240</u>	<u>ALPP2D40</u>	28.2	2500	170	170	200

SPARE PARTS

MODEL	DESCRIPTION
<u>650168</u>	Joining Kit 2 + 2
<u>650167</u>	Joining Kit 2 + 1
<u>650314</u>	Seal Kit
<u>524228</u>	Shaft Seal Only



PUMPS

Multiple Gear Pump Modules (Aluminium)

- > SHAFT SAE: C1 = 5/8" Parallel Keyed 135 Nm
S1 = 5/8" 9 Spline 135 Nm
- > MOUNT SAE: 2 Bolt A
- > PORTS: PCD Port Sizes 6 and 9 30 x 30
All Other Sizes 40 x 40
- > D = CW Rotation
- > S = CCW Rotation



GROUP 2 SAE

FRONT	MIDDLE	REAR	CC/REV	MAX RPM	MAX PRESSURE BAR		
					Continuous	Intermittent	Peak
<u>ALPA2AD6</u>	<u>ALPI26</u>	<u>ALPP2D6</u>	4.5	4000	250	270	290
<u>ALPA2AD9</u>	<u>ALPI29</u>	<u>ALPP2D9</u>	6.4	4000	250	270	290
<u>ALPA2AD10</u>	<u>ALPI210</u>	<u>ALPP2D10</u>	7.0	4000	250	270	290
<u>ALPA2AD12</u>	<u>ALPI212</u>	<u>ALPP2D12</u>	8.3	3500	250	270	290
<u>ALPA2AD13</u>	<u>ALPI213</u>	<u>ALPP2D13</u>	9.6	3000	250	270	290
<u>ALPA2AD16</u>	<u>ALPI216</u>	<u>ALPP2D16</u>	11.5	4000	230	250	270
<u>ALPA2AD20</u>	<u>ALPI220</u>	<u>ALPP2D20</u>	14.1	4000	230	250	270
<u>ALPA2AD22</u>	<u>ALPI222</u>	<u>ALPP2D22</u>	16.0	4000	210	225	240
<u>ALPA2AD25</u>	<u>ALPI225</u>	<u>ALPP2D25</u>	17.9	3600	210	225	240
<u>ALPA2AD30</u>	<u>ALPI230</u>	<u>ALPP2D30</u>	21.1	3200	180	195	210
<u>ALPA2AD34</u>	<u>ALPI234</u>	<u>ALPP2D34</u>	23.7	3000	180	195	210
<u>ALPA2AD37</u>	<u>ALPI237</u>	<u>ALPP2D37</u>	25.5	2800	170	170	200
<u>ALPA2AD40</u>	<u>ALPI240</u>	<u>ALPP2D40</u>	28.2	2500	170	170	200

SPARE PARTS

MODEL	DESCRIPTION
<u>650168</u>	Joining Kit 2 + 2
<u>650167</u>	Joining Kit 2 + 1
<u>650314</u>	Seal Kit
<u>524228</u>	Shaft Seal only



PUMPS

Multiple Gear Pump Modules (Aluminium)

- > SHAFT: 1.8 Taper 250 Nm 4mm Key
- > MOUNT: Euro 4 Bolt 128mm x 98.5mm
- > PORTS: PCD Port Sizes

30 - 60	56 x 56
66	51 x 51
80	56 x 56
94 - 135	51 x 62



- > D = CW Rotation
- > S = CCW Rotation

GROUP 3 EURO

FRONT	MIDDLE	REAR	CC/REV	MAX RPM	MAX PRESSURE BAR		
					Continuous	Intermittent	Peak
<u>ALPA3D30</u>	<u>ALPI330</u>	<u>ALPP3D30</u>	20	3500	230	250	270
<u>ALPA3D33</u>	<u>ALPI333</u>	<u>ALPP3D33</u>	22	3500	230	250	270
<u>ALPA3D40</u>	<u>ALPI340</u>	<u>ALPP3D40</u>	26	3300	230	250	270
<u>ALPA3D50</u>	<u>ALPI350</u>	<u>ALPP3D50</u>	33	3300	230	250	270
<u>ALPA3D60</u>	<u>ALPI360</u>	<u>ALPP3D60</u>	39	3000	220	240	260
<u>ALPA3D66</u>	<u>ALPI366</u>	<u>ALPP3D66</u>	44	2800	210	230	250
<u>ALPA3D80</u>	<u>ALPI380</u>	<u>ALPP3D80</u>	52	2500	200	215	230
<u>ALPA3D94</u>	<u>ALPI394</u>	<u>ALPP3D94</u>	61	2800	190	205	220
<u>ALPA3D110</u>			71	2500	170	185	200
<u>ALPA3D120</u>			78	2300	160	175	190
<u>ALPA3D135</u>			87	2000	140	155	170

SPARE PARTS

MODEL	DESCRIPTION
<u>650169</u>	Joining Kit 3 + 1
<u>650170</u>	Joining Kit 3 + 2
<u>650171</u>	Joining Kit 3 + 3
<u>650315</u>	Seal Kit Euro Front
<u>650316</u>	Seal Kit Middle and Rear Section



PUMPS

Multiple Gear Pump Modules (Aluminium)



- > SHAFT: 1.8 Taper
- > SPIGOT: 25.4mm
- > MOUNT: Euro 4 Bolt 71.9 x 52.4mm
- > PORTS: ½" x ⅜" BSPP

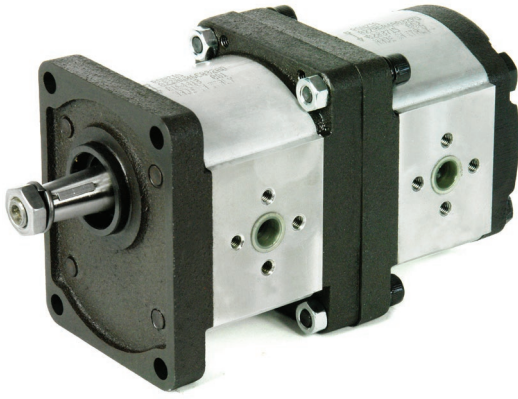
- > Alloy Body with Cast Iron Ends
- > D = CW Rotation
- > S = CCW Rotation

GROUP 1 EURO

FRONT	MIDDLE	REAR	CC/REV	MAX RPM	MAX PRESSURE BAR	
					Continuous	Peak
01ZAG11C400AD	01ZAG110000ID	01ZAG110000PD	1.1	6000	210	250
01ZAG21C400AD	01ZAG210000ID	01ZAG210000PD	2.1	6000	210	250
01ZAG32C400AD	01ZAG320000ID	01ZAG320000PD	3.2	4500	210	250
01ZAG37C400AD	01ZAG370000ID	01ZAG370000PD	3.7	4000	210	250
01ZAG42C400AD	01ZAG420000ID	01ZAG420000PD	4.2	3800	190	230
01ZAG55C400AD	01ZAG550000ID	01ZAG550000PD	5.5	3500	160	200
01ZAG78C400AD	01ZAG780000ID	01ZAG780000PD	7.8	3000	120	160

SPARE PARTS

MODEL	DESCRIPTION
K1000010	Seal Kit - Front Pump
K1000009	Seal Kit - Intermediate & Rear
K1000000	Joining Kit



PUMPS

Multiple Gear Pump Modules (Aluminium)



- > SPIGOT: 36.5mm
- > MOUNT: Euro 4 Bolt 96 x 71.55mm
- > PORTS: PCD Port Sizes 4 - 8 30 x 30
 11 - 13 40 x 30
- > BSPP Ports Available
- > Alloy Body with Cast Iron Ends
- > D = CW Rotation
- > S = CCW Rotation

GROUP 2 EURO

FRONT	MIDDLE	REAR	CC/REV	MAX RPM	MAX PRESSURE BAR	
					Continuous	Peak
02ZAG04C032AD	02ZAG040032ID	02ZAG040032PD	4.4	4500	300	360
02ZAG06C032AD	02ZAG060032ID	02ZAG060032PD	6.28	4500	300	360
02ZAG08C032AD	02ZAG080032ID	02ZAG080032PD	8.16	3700	300	360
02ZAG11C033AD	02ZAG110033ID	02ZAG110033PD	11.3	3300	300	360
02ZAG14C033AD	02ZAG140033ID	02ZAG140033PD	14.45	2700	300	360
02ZAG17C033AD	02ZAG170033ID	02ZAG170033PD	16.95	2500	270	330
02ZAG20C033AD	02ZAG200033ID	02ZAG200033PD	20.1	2500	230	290
02ZAG25C033AD	02ZAG250033ID	02ZAG250033PD	25.75	2500	180	230
02ZAG31C033AD	02ZAG310033ID	02ZAG310033PD	31.4	2200	160	200

SPARE PARTS

MODEL	DESCRIPTION
K2000000	11 - 31cc x 11-31cc Group 2 Joining Kit 2 + 2
K2000001	11 - 31cc x 4-8cc Group 2 Joining Kit 2 + 2
K2000002	4 - 8cc x 4-8cc Group 2 Joining Kit 2 + 2
K2000003	11 - 31cc Group 2 - Group 1 Joining Kit 2 + 2
K2000004	4 - 8cc Group 2 - Group 1 Joining Kit 2 + 2
02Z-S	Seal Kit - Front Pump
02Z-S-I-R	Seal Kit - Intermediate & Rear Pump
MIM30197	Shaft Seal for 11T 3/4" & 10T 17mm Shafts



PUMPS

Multiple Gear Pump Modules (Aluminium)



- > SHAFT: 5/8" Keyed or 5/8" 9T Spline
- > SPIGOT: 3 1/4"
- > MOUNT: 2 Bolt SAE A
- > PORTS: UNO Port Sizes 4 - 11 7/8" x 7/8" UNO
14 - 31 1 1/16" x 7/8" UNO

- > Alloy Body with Cast Iron Ends
- > D = CW Rotation
- > S = CCW Rotation

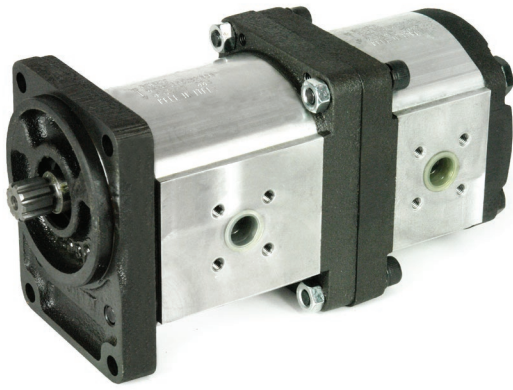
GROUP 2 SAE

FRONT	MIDDLE	REAR	CC/REV	MAX RPM	MAX PRESSURE BAR	
					Continuous	Peak
02ZCG04L432AD	02ZAG040032ID	02ZAG040032PD	4.4	4500	300	360
02ZCG06L432AD	02ZAG060032ID	02ZAG060032PD	6.28	4500	300	360
02ZCG08L432AD	02ZAG080032ID	02ZAG080032PD	8.16	3700	300	360
02ZCG11L432AD	02ZAG110033ID	02ZAG110033PD	11.3	3300	300	360
02ZCG14L433AD	02ZAG140033ID	02ZAG140033PD	14.45	2700	300	360
02ZCG17L433AD	02ZAG170033ID	02ZAG170033PD	16.95	2500	270	330
02ZCG20L433AD	02ZAG200033ID	02ZAG200033PD	20.1	2500	230	290
02ZCG25L433AD	02ZAG250033ID	02ZAG250033PD	25.75	2500	180	230
02ZCG31L433AD	02ZAG310033ID	02ZAG310033PD	31.4	2200	160	200

> MODEL CODES REFER TO KEYED SHAFTS

SPARE PARTS

MODEL	DESCRIPTION
K2000000	11 - 31cc x 11-31cc Group 2 Joining Kit 2 + 2
K2000001	11 - 31cc x 4-8cc Group 2 Joining Kit 2 + 2
K2000002	4 - 8cc x 4-8cc Group 2 Joining Kit 2 + 2
K2000003	11 - 31cc Group 2 - Group 1 Joining Kit 2 + 2
K2000004	4 - 8cc Group 2 - Group 1 Joining Kit 2 + 2
02Z-S	Seal Kit - Front Pump
02Z-S-I-R	Seal Kit - Intermediate & Rear Pump
MIM30197	Shaft Seal for 11T 3/4" & 10T 17mm Shafts



PUMPS

Multiple Gear Pump Modules (Aluminium)



- > SHAFT: 1.5 Taper or 9T DIN Spline
- > SPIGOT: 80mm
- > MOUNT: 4 Bolt German 100 x 72mm
- > PORTS: PCD 40 x 35

- > Standard Units
- > Special In-House Built Unit Customised to your Specifications
- > Compact Tandem Pumps
- > Retro Fitting to Obsolete Pump & Motor Models
- > Alloy Body with Cast Iron Ends
- > D = CW Rotation
- > S = CCW Rotation

GROUP 2

4 BOLT GERMAN PCD

CUSTOM OPTIONS

- > PORT OPTIONS:
 - Single Suction
 - Rear Ported
 - Custom Ported to Required Specification

- > REAR COVER OPTIONS:
 - Over Run Check Valves
 - Relief Cavity for Pumps and Motors
 - Case Drain Option

- > SHAFT OPTIONS:
 - 5/8" Keyed
 - 1:5 Taper Keyed
 - 1:8 Taper Keyed
 - 5/8" 9T Spline
 - 10T x 17mm Spline
 - 11T x 3/4" Spline



PUMPS

Multiple Gear Pump Modules (Aluminium)



- > SHAFT: 1.5 Taper or 9T DIN Spline
- > SPIGOT: 50mm
- > MOUNT: 2 Bolt German 60 x 60
- > MOUNTING HOLES: 5 o'clock / 11 o'clock
- > PORTS: PCD 40 x 35

- > Standard Units
- > Special In-House Built Unit Customised to your Specifications
- > Compact Tandem Pumps
- > Retro Fitting to Obsolete Pump & Motor Models
- > Alloy Body with Cast Iron Ends
- > D = CW Rotation
- > S = CCW Rotation

GROUP 2

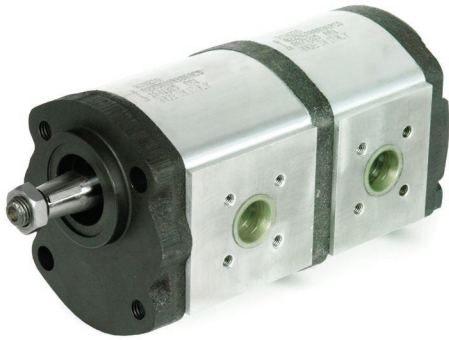
2 BOLT GERMAN D3 PCD

CUSTOM OPTIONS

- > PORT OPTIONS:
 - Single Suction
 - Rear Ported
 - Custom Ported to Required Specification

- > REAR COVER OPTIONS:
 - Over Run Check Valves
 - Relief Cavity for Pumps and Motors
 - Case Drain Option

- > SHAFT OPTIONS:
 - 3/8" Keyed
 - 1:5 Taper Keyed
 - 1:8 Taper Keyed
 - 5/8" 9T Spline
 - 10T x 17mm Spline
 - 11T x 3/4" Spline



PUMPS

Multiple Gear Pump Modules (Aluminium)



> SHAFT:	1.5 taper or 9T DIN Spline
> SPIGOT:	50mm
> MOUNT:	2 Bolt German 60 x 60
> MOUNTING HOLES:	1 o'clock / 7 o'clock
> PORTS:	PCD 40 x 35

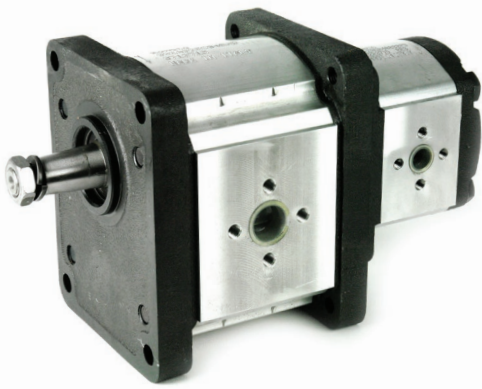
- > Standard Units
- > Special In-House Built Unit Customised to your Specifications
- > Compact Tandem Pumps
- > Retro Fitting to Obsolete Pump & Motor Models
- > Alloy Body with Cast Iron Ends
- > D = CW Rotation
- > S = CCW Rotation

GROUP 2

2 BOLT GERMAN M3 PCD

CUSTOM OPTIONS

> PORT OPTIONS:	Single Suction Rear Ported Custom Ported to Required Specification
> REAR COVER OPTIONS:	Over Run Check Valves Relief Cavity for Pumps and Motors Case Drain Option
> SHAFT OPTIONS:	5/8" Keyed 1:5 Taper Keyed 1:8 Taper Keyed 5/8" 9T Spline 10T x 17mm Spline 11T x 3/4" Spline



PUMPS

Multiple Gear Pump Modules (Aluminium)



> SHAFT:	1.8 Taper		
> SPIGOT:	50.8mm		
> MOUNT:	128 x 98mm		
> PORTS:	PCD Port Sizes	20 - 55	51 x 40
		60	62 x 51

- > Alloy Body with Cast Iron Ends
- > D = CW Rotation
- > S = CCW Rotation

GROUP 3 EURO

FRONT	MIDDLE	REAR	CC/REV	MAX RPM	MAX PRESSURE BAR	
					Continuous	Peak
03ZAG20C048AD	03ZAG200048ID	03ZAG200048PD	20	3000	280	310
03ZAG25C048AD	03ZAG250048ID	03ZAG250048PD	25	3000	280	310
03ZAG30C048AD	03ZAG300048ID	03ZAG300048PD	30	3000	280	310
03ZAG35C048AD	03ZAG350048ID	03ZAG350048PD	35	3000	280	310
03ZAG40C048AD	03ZAG400048ID	03ZAG400048PD	40	2700	250	280
03ZAG45C048AD	03ZAG450048ID	03ZAG450048PD	45	2700	250	280
03ZAG55C048AD	03ZAG550048ID	03ZAG550048PD	55	2200	230	250
03ZAG60C047AD			60	2000	200	220

SPARE PARTS

MODEL	DESCRIPTION
03Z-S	Seal Kit - Front Pump
KGUZ3AIN	Seal Kit - Intermediate & Rear Pump
K3000029	Group 3 - Group 1 Joining Kit
K3000030	Group 3 - Group 2 Joining Kit
K3000034	Group 3 - Group 3 Joining Kit



PUMPS

Multiple Gear Pump Modules (Aluminium)



- > SHAFT: $\frac{7}{8}$ " x 13T Spline or $\frac{7}{8}$ " Straight Keyed
- > SPIGOT: 4"
- > MOUNT: 2 Bolt SAE B
- > PORTS: PCD 51 x 40

- > Alloy Body with Cast Iron Ends
- > D = CW Rotation
- > S = CCW Rotation

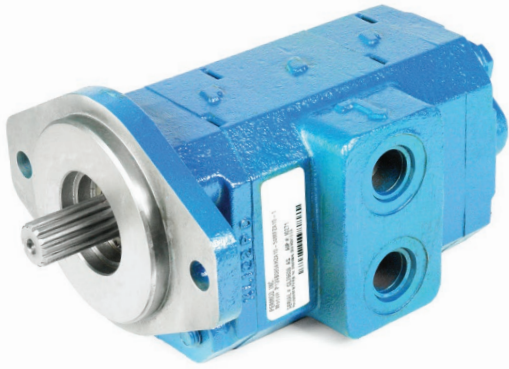
GROUP 3 SAE

FRONT	MIDDLE	REAR	CC/REV	MAX RPM	MAX PRESSURE BAR	
					Continuous	Peak
03ZBG20B348AD	03ZAG200048ID	03ZAG200048PD	20	3000	280	310
03ZBG25B348AD	03ZAG250048ID	03ZAG250048PD	25	3000	280	310
03ZBG30B348AD	03ZAG300048ID	03ZAG300048PD	30	3000	280	310
03ZBG35B348AD	03ZAG350048ID	03ZAG350048PD	35	3000	280	310
03ZBG40B348AD	03ZAG400048ID	03ZAG400048PD	40	2700	250	280
03ZBG45B348AD	03ZAG450048ID	03ZAG450048PD	45	2700	250	280
03ZBG55B348AD	03ZAG550048ID	03ZAG550048PD	55	2200	230	250
03ZBG60B348AD			60	2000	200	220

> MODEL CODES REFER TO SPLINE SHAFTS

SPARE PARTS

MODEL	DESCRIPTION
KGUZ3BAN	Seal Kit - Front Pump
KGUZ3AIN	Seal Kit - Intermediate & Rear Pump
K3000029	Group 3 - Group 1 Joining Kit
K3000030	Group 3 - Group 2 Joining Kit
K3000034	Group 3 - Group 3 Joining Kit



PUMPS

**Multiple Gear Pump
(Cast Iron)**



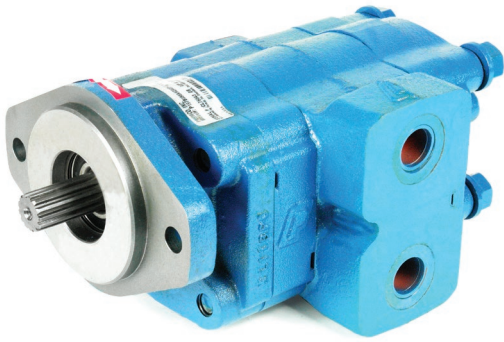
- > STANDARD SHAFTS:
 - 5/8" 9T
 - 3/4" x 11T
 - 7/8" 13T
 - 5/8" Keyed
 - 3/4" Keyed
 - 7/8" Keyed
- > STANDARD MOUNTS:
 - 2 Bolt SAE A
 - 2 Bolt SAE B

P124 BUSH

CC/REV	MAX PRESSURE BAR Continuous	GEAR WIDTH	MAX RPM
10.2	240	1/2"	3000
15.2	240	3/4"	3000
20.3	240	1"	3000
25.4	240	1 1/4"	3000
30.5	220	1 1/2"	3000
35.6	200	1 3/4"	3000
40.6	170	2"	3000

SPARE PARTS

MODEL	DESCRIPTION
P124-S	Seal Kit - Front Pump
P124-T	Seal Kit - Multiple Section



PUMPS

**Multiple Gear Pump
(Cast Iron)**



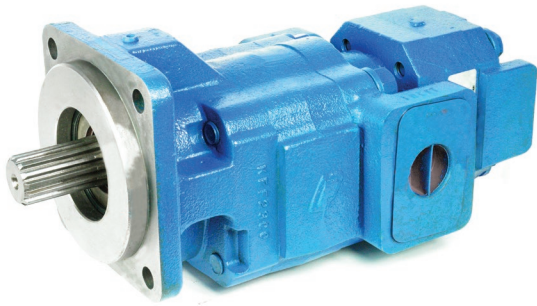
- > STANDARD SHAFTS:
 - 1" Keyed
 - 7/8" 13T
- > STANDARD MOUNTS:
 - 1" x 15T
 - 2 Bolt SAE B
 - 4 Bolt SAE B
 - 4 Bolt SAE C
- > 'C' SHAFTS:
 - 7/8" Keyed
 - 1 1/4" Keyed
 - 1 1/4" 14T

P197 BUSH

CC/REV	MAX PRESSURE BAR Continuous	GEAR WIDTH	MAX RPM
16.5	240	1/2"	3000
24.3	240	3/4"	3000
32.3	240	1"	3000
40.4	240	1 1/4"	3000
48.4	240	1 1/2"	3000
56.5	220	1 3/4"	3000
64.4	200	2"	3000

SPARE PARTS

MODEL	DESCRIPTION
P197-S	Seal Kit - Front Pump
P197-T	Seal Kit - Multiple Section



PUMPS

Multiple Gear Pump (Cast Iron)



- > STANDARD SHAFTS: 7/8" x 13T
 1 1/4" 14T
 1 1/4" Keyed
- > STANDARD MOUNTS: 2 Bolt SAE B
 2 Bolt SAE C
 4 Bolt SAE B
 4 Bolt SAE C
- > 'C' SHAFTS: 1" 15T

P257 BUSH

CC/REV	MAX PRESSURE BAR Continuous	GEAR WIDTH	MAX RPM
31.3	240	3/4"	2400
41.8	240	1"	2400
52.2	240	1 1/4"	2400
62.7	240	1 1/2"	2400
73.1	220	1 3/4"	2400
83.6	200	2"	2400
94.0	190	2 1/4"	2400
104.5	170	2 1/2"	2400

SPARE PARTS

MODEL	DESCRIPTION
P257-S	Seal Kit - Front Pump
P257-T	Seal Kit - Multiple Section



PUMPS

Multiple Gear Pump (Cast Iron)



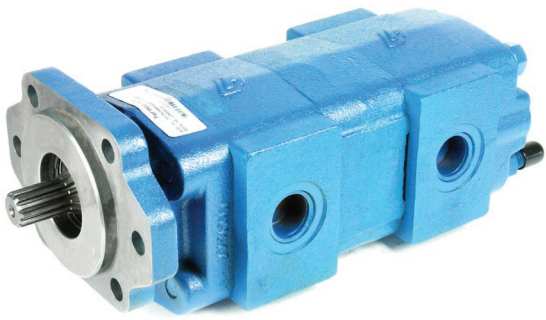
- > STANDARD SHAFTS:
 - 1 ¼" Keyed
 - 1 ¼" 14T
- > STANDARD MOUNTS:
 - 2 Bolt SAE B
 - 2 Bolt SAE C
 - 4 Bolt SAE B
 - 4 Bolt SAE C
 - 4 Bolt SAE D
- > 'C' SHAFTS:
 - 1 ½" 17T

P360 BUSH

CC/REV	MAX PRESSURE BAR Continuous	GEAR WIDTH	MAX RPM
44.3	240	¾"	2400
59.0	240	1"	2400
73.8	240	1 ¼"	2400
88.5	240	1 ½"	2400
103.5	240	1 ¾"	2400
118.0	240	2"	2400
132.8	220	2 ¼"	2400
147.5	200	2 ½"	2400

SPARE PARTS

MODEL	DESCRIPTION
P360-S	Seal Kit - Front Pump
P360-T	Seal Kit - Multiple Section



PUMPS

Multiple Gear Pump (Cast Iron)



- > STANDARD SHAFTS:
 - 7/8" 13T
 - 1" Keyed
 - 7/8" Keyed
- > STANDARD MOUNTS:
 - 2 Bolt SAE A
 - 2 Bolt SAE B
 - 2 Bolt SAE B-Short
 - 4 Bolt SAE B
 - 6 Bolt Round
 - Chelsea Clover

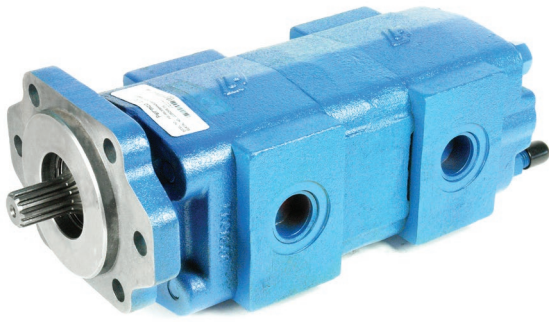
> Contact Us for the Full Range of 'C' Shaft Options

P2100 ROLLER BEARING

CC/REV	MAX PRESSURE BAR Continuous	GEAR WIDTH	MAX RPM
16.1	205	1/2"	2400
24.2	205	3/4"	2400
32.2	205	1"	2400
40.4	205	1 1/4"	2400
48.4	205	1 1/2"	2400
56.5	170	1 3/4"	2400
64.6	170	2"	2400

SPARE PARTS

MODEL	DESCRIPTION
P2100-S	Seal Kit - Front Pump
P2100-S-C	Seal Kit 'C' Shaft



PUMPS

**Multiple Gear Pump
(Cast Iron)**



- > STANDARD SHAFTS:
 - 7/8" Keyed
 - 1" Keyed
 - 5/8" 9T
 - 7/8" 13T
- > STANDARD MOUNTS:
 - 2 Bolt SAE A
 - 2 Bolt SAE B
 - 4 Bolt SAE B
 - 4 Bolt SAE C
 - 6 Bolt Round

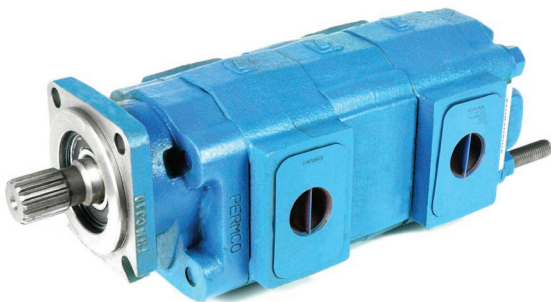
> Contact Us for the Full Range of 'C' Shaft Options

P3100 ROLLER BEARING

CC/REV	MAX PRESSURE BAR <i>Continuous</i>	GEAR WIDTH	MAX RPM
16.2	205	1/2"	2400
24.2	205	3/4"	2400
32.3	205	1"	2400
40.4	205	1 1/4"	2400
48.4	205	1 1/2"	2400
56.5	170	1 3/4"	2400
64.6	170	2"	2400

SPARE PARTS

MODEL	DESCRIPTION
P3000-S	Seal Kit - Front Pump
P3000-S-C	Seal Kit 'C' Shaft



PUMPS

**Multiple Gear Pump
(Cast Iron)**



- > STANDARD SHAFTS:
 - 1 ¼" Keyed
 - ⅞" 13T
 - 1 ¼" 14T
- > STANDARD MOUNTS:
 - 2 Bolt SAE B
 - 2 Bolt SAE C
 - 4 Bolt SAE B
 - 4 Bolt SAE C
 - 6 Bolt Round
- > 'C' SHAFTS:
 - 1" Keyed
 - 1 ⅞" Keyed
 - 1" 6T
 - 1" 15T

P5100 ROLLER BEARING

CC/REV	MAX PRESSURE BAR Continuous	GEAR WIDTH	MAX RPM
20.9	205	½"	2400
31.3	205	¾"	2400
41.8	205	1"	2400
52.2	205	1 ¼"	2400
62.7	205	1 ½"	2400
73.1	170	1 ¾"	2400
83.6	170	2"	2400
94.0	153	2 ¼"	2400
104.5	153	2 ½"	2400

SPARE PARTS

MODEL	DESCRIPTION
P5000-S	Seal Kit - Front Pump
P5000-S-C	Seal Kit - Front Pump 'C' Shaft

PUMPS

Multiple Gear Pump (Cast Iron)



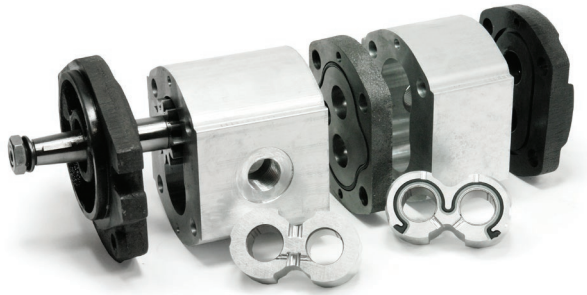
- > STANDARD SHAFTS:
 - 1 ¼" 14T
 - 1 ¼" Keyed
- > STANDARD MOUNTS:
 - 2 Bolt SAE C
 - 4 Bolt SAE B
 - 4 Bolt SAE C
 - 4 Bolt SAE D
- > 'C' SHAFTS:
 - 1 ¼" Keyed
 - 1 ¾" 13T
 - KOMATSU 19T

P7600 ROLLER BEARING

CC/REV	MAX PRESSURE BAR Continuous	GEAR WIDTH	MAX RPM
50.4	205	¾"	2400
67.2	205	1"	2400
84.0	205	1 ¼"	2400
100.8	205	1 ½"	2400
117.6	205	1 ¾"	2400
134.4	205	2"	2400
151.2	170	2 ¼"	2400
167.8	170	2 ½"	2400
184.8	153	2 ¾"	2400
201.6	153	3"	2400

SPARE PARTS

MODEL	DESCRIPTION
P7500-S	Seal Kit - Front Pump



PUMPS

Gear Pump Special Assembly Build

- > Special In-House Built Unit Customised to your Specifications
- > Compact Tandem Pumps
- > Retro Fitting to Obsolete Pump and Motor Models



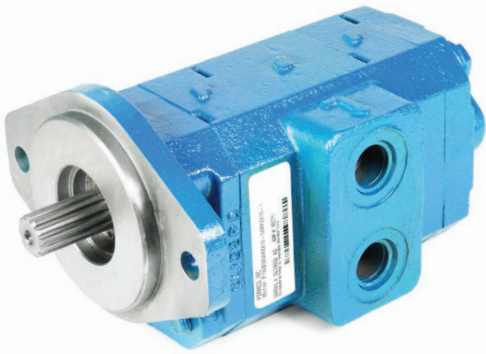
RONZIO GROUP 2

CUSTOM OPTIONS

- > **PORT OPTIONS:**
 - Single Suction
 - Rear Ported
 - Custom Ported to Required Specification

- > **REAR COVER OPTIONS:**
 - Over Run Check Valves
 - Relief Cavity for Pumps & Motors
 - Case Drain Option

- > **SHAFT OPTIONS:**
 - 5/8" Keyed
 - 1:5 Taper Keyed
 - 1:8 Taper Keyed
 - 5/8" 9T Spline
 - 9T DIN Spline
 - 11T x 3/4" Spline
 - 10T x 17mm Spline



PUMPS

Gear Pump Special Assembly Build

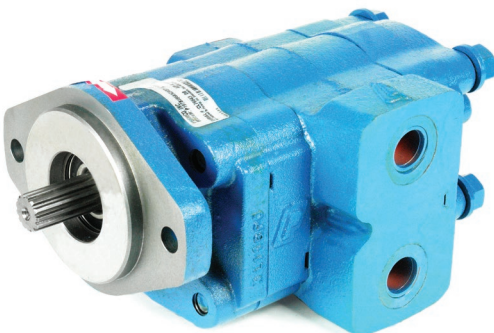
> Special In-House Built Unit Customised to your Specifications



P124 BUSH

CUSTOM OPTIONS

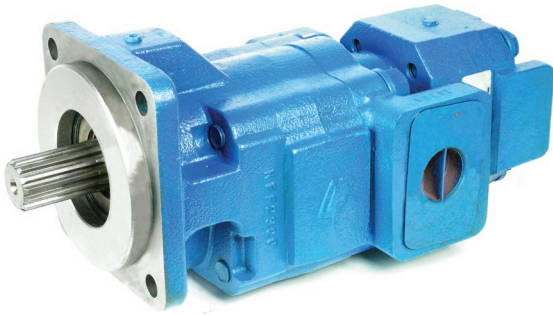
- > SHAFT OPTIONS:
- 11T x 3/4" Spline
 - 5/8" Keyed
 - 3/4" Keyed
 - Group 2 1:8 Taper
- > MOUNT OPTIONS:
- Group 2 4 Bolt Euro
 - Over Hung Load Adaptor - Fan Drives
 - 2 Bolt SAE A
 - 7/8" Keyed Shaft



P197 BUSH

CUSTOM OPTIONS

- > MOUNT OPTIONS:
- 2 Bolt SAE A
- > DRIVE THROUGH OPTIONS:
- Add a Pump Sealed
 - Add a Pump 2 Bolt SAE A
 - Series Step Down 197 - 124 64cc - 5cc/Rev (Single Suction Available)



PUMPS

Gear Pump Special Assembly Build

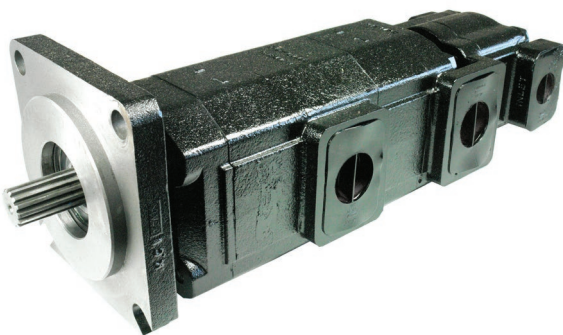
> Special In-House Built Unit Customised to your Specifications



P257 BUSH

CUSTOM OPTIONS

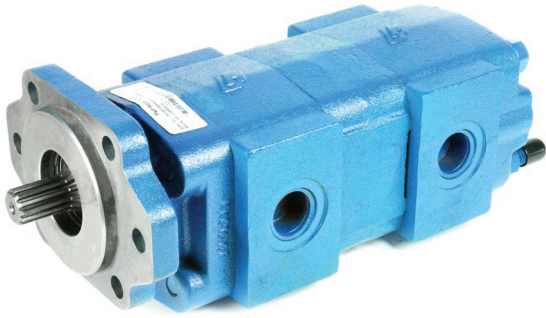
- > DRIVE THROUGH OPTIONS:
- Add a Pump Sealed - 2 Bolt SAE A
 - Add a Pump Sealed - 2 Bolt SAE B
 - Series Step Down - 257 - 124 104cc - 5cc/Rev (Single Suction Available)
 - Series Step Down - 257 - 197 104cc - 16cc/Rev (Single Suction Available)



P360 BUSH

CUSTOM OPTIONS

- > MOUNT OPTIONS:
- 4 Bolt SAE D
- > DRIVE THROUGH OPTIONS:
- Series Step Down 360 - 124 (147cc - 5cc/Rev)
 - Series Step Down 360 - 197 (147cc - 16cc/Rev)
 - Add a Pump Sealed - 2 Bolt SAE A
 - Add a Pump Sealed - 2 Bolt SAE B



PUMPS

Gear Pump Special Assembly Build

> Special In-House Built Unit Customised to your Specifications

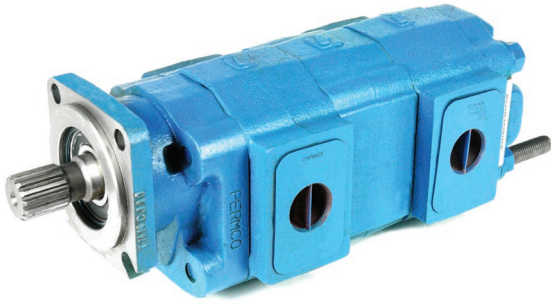


P2100, P3000, P3100 BEARING

CUSTOM OPTIONS

> CONTINENTAL SHAFT OPTIONS:

9T x $\frac{5}{8}$ " Spline
11T x $\frac{3}{4}$ " Spline
13T x $\frac{7}{8}$ " Long Spline
6T x 1" Spline
15T x 1" Spline
14T x 1 $\frac{1}{4}$ " Spline
 $\frac{3}{4}$ " Straight Keyed
 $\frac{7}{8}$ " Straight Keyed Long
1 $\frac{1}{4}$ " Straight Keyed



PUMPS

Gear Pump Special Assembly Build

> Special In-House Built Unit Customised to your Specifications



P5000, P5100 BEARING

CUSTOM OPTIONS

> CONTINENTAL SHAFT OPTIONS:

- 13T x $\frac{7}{8}$ " Long Spline
- 15T x 1" Spline
- 1" Straight Keyed

P7500, P7600 BEARING

CUSTOM OPTIONS

> CONTINENTAL SHAFT OPTIONS:

- 14T x $1\frac{1}{4}$ " Long Spline
- 19T x $1\frac{3}{8}$ " Spline
- 13T x $1\frac{3}{4}$ " Spline



PUMPS

Special Assembly Build

> PORT OPTIONS:

1 ½" Code 61 Flange
2" Code 61 Flange



DRY VALVE OPTION

GENERAL INFORMATION

A dry valve consists of an air or electrically operated shut off valve in the inlet line of the pump; usually mounted to the pump inlet port to simplify plumbing. Included in the valve is an orifice which permits sufficient fluid to pass to lubricate the pump parts when the valve is in the off (dry) mode. In some situations a bypass flow control mounted to the pump outlet is used.

The purpose of this is to re-circulate a portion of the outlet flow back to the pump inlet to prevent cavitation during high speed operation of the pump when the dry valve is open (wet) mode. This also reduces the flow rate to the compacting cylinders and thus compacting speed is not excessive preventing slamming and hammering of the compacting machinery. The compacting machinery is normally designed to operate at low pump speed which limits the rate of operation.

If, while the dry valve is closed (dry mode), pressure builds up in the discharge side of the system (above 20 PSI), the pump will be damaged. The dry valve in the off (dry) mode permits only a flow sufficient to lubricate the pump; while adequate to lubricate there is insufficient fluid to fill the pump displacement and the pump exhibits severe cavitation. No damage from this occurs unless there is pressure to cause the cavities (oil droplets) to collapse. System back pressure exceeding 20 PSI will provide enough energy to collapse the cavities (oil droplets) and damage the pump.



PUMPS

Single Vane Pump



- > SHAFT: $\frac{7}{8}$ " x 13T Spline
 $\frac{7}{8}$ " Straight Keyed
1" x 15T Spline
- > SPIGOT: 4"
- > MOUNT: 2 Bolt SAE B
- > PORTS: 1 $\frac{1}{2}$ " Code 61 Suction
1" Code 61 Pressure

> Contact Us for Replacement Shafts and Cartridges

VT6CM

MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR Continuous
VT6CM B3	10.8	2800	240
VT6CM B5	17.2	2800	240
VT6CM B6	21.3	2800	240
VT6CM B8	26.4	2800	240
VT6CM B10	34.1	2800	240
VT6CM B12	37.1	2800	240
VT6CM B14	46.0	2800	240
VT6CM B17	58.3	2800	240
VT6CM B20	63.8	2800	240
VT6CM B22	70.3	2800	240
VT6CM B25	79.3	2500	240
VT6CM B28	88.8	2500	210
VT6CM B31	100	2500	210

SPARE PARTS

MODEL	DESCRIPTION
VS24-10133	Seal Kit



PUMPS

Single Vane Pump



- > SHAFT: 1 ¼" Straight Keyed
1 ¼" x 14T Spline
- > SPIGOT: 5"
- > MOUNT: 2 Bolt SAE C
- > PORTS: 2" Code 61 Suction
1 ¼" Code 61 Pressure

> Contact Us for Replacement Shafts and Cartridges

VT6DM

MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR Continuous
VT6DM B14	47.6	2500	240
VT6DM B17	58.2	2500	240
VT6DM B20	66.0	2500	240
VT6DM B24	79.5	2500	240
VT6DM B28	89.7	2500	240
VT6DM B31	98.3	2500	240
VT6DM B35	111.0	2500	240
VT6DM B38	120.3	2500	240
VT6DM B42	136.0	2200	240
VT6DM B45	145.7	2200	240
VT6DM B50	158.0	2200	210
VT6DM B61	190.5	2200	120

SPARE PARTS

MODEL	DESCRIPTION
VS24-10138	Seal Kit



PUMPS

Single Vane Pump



- > SHAFT: 1 ¼" x 14T Spline
1 ½" Straight Keyed
1 ½" x 17T Spline
- > SPIGOT: 5"
- > MOUNT: 2 Bolt SAE C
- > PORTS: 3" Code 61 Suction
1 ½" Code 61 Pressure

> Contact Us for Replacement Shafts and Cartridges

VT6EM

MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR Continuous
VT6EM B42	132.8	2200	240
VT6EM B45	142.4	2200	240
VT6EM B50	158.5	2200	240
VT6EM B52	164.8	2200	240
VT6EM B57	180.7	2200	240
VT6EM B62	196.7	2200	240
VT6EM B66	213.3	2200	240
VT6EM B72	227.1	2200	240
VT6EM B85	269.8	2000	75

SPARE PARTS

MODEL	DESCRIPTION
VS24-10186	Seal Kit

PUMPS



PUMPS



PUMPS





PUMPS

Double Vane Pump



- > SHAFT: 7/8" x 13T Spline
7/8" Straight Keyed
1" x 15T Spline
- > HEAVY DUTY SHAFT: 1" Straight Keyed (VT6CCMW)
- > SPIGOT: 4"
- > MOUNT: 2 Bolt SAE B
- > PORTS: 3" Code 61 Suction
1" Code 61 Pressure

> Contact Us for Replacement Shafts and Cartridges

VT6CCM (P1)

MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR Continuous
VT6CCM B3	10.8	2800	240
VT6CCM B5	17.2	2800	240
VT6CCM B6	21.3	2800	240
VT6CCM B8	26.4	2800	240
VT6CCM B10	34.1	2800	240
VT6CCM B12	37.1	2800	240
VT6CCM B14	46.0	2800	240
VT6CCM B17	58.3	2800	240
VT6CCM B20	63.8	2800	240
VT6CCM B22	70.3	2800	240
VT6CCM B25	79.3	2500	240
VT6CCM B28	88.8	2500	210
VT6CCM B31	100	2500	210

> SEE PAGE OVER FOR (P2) SPECIFICATIONS

VT6CCM (P2)

MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR Continuous
VT6CCM B3	10.8	2800	240
VT6CCM B5	17.2	2800	240
VT6CCM B6	21.3	2800	240
VT6CCM B8	26.4	2800	240
VT6CCM B10	34.1	2800	240
VT6CCM B12	37.1	2800	240
VT6CCM B14	46.0	2800	240
VT6CCM B17	58.3	2800	240
VT6CCM B20	63.8	2800	240
VT6CCM B22	70.3	2800	240
VT6CCM B25	79.3	2500	240
VT6CCM B28	88.8	2500	210
VT6CCM B31	100	2500	210

SPARE PARTS

MODEL	DESCRIPTION
VS24-10352	Seal Kit - VT6CCM
VS14-97724	Seal Kit - VT6CCMW (1" Shaft)



PUMPS

Double Vane Pump



- > SHAFT: 1 ¼" x 14T Spline
1 ¼" Straight Keyed
- > SPIGOT: 5"
- > MOUNT: 2 Bolt SAE C
- > SUCTION PORT: 3" SAE Code 61
- > PRESSURE PORT (P1): 1 ¼" SAE Code 61
- > PRESSURE PORT (P2): 1" SAE Code 61

> Contact Us for Replacement Shafts and Cartridges

VT6DCM (P1)

MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR Continuous
VT6DCM B14	47.6	2500	240
VT6DCM B17	58.2	2500	240
VT6DCM B20	66.0	2500	240
VT6DCM B24	79.5	2500	240
VT6DCM B28	89.7	2500	240
VT6DCM B31	98.3	2500	240
VT6DCM B35	110.0	2500	240
VT6DCM B38	120.3	2500	240
VT6DCM B42	136.0	2200	240
VT6DCM B45	145.7	2200	240
VT6DCM B50	158.0	2200	210
VT6DCM B61	190.5	2200	80

> [SEE PAGE OVER FOR \(P2\) SPECIFICATIONS](#)

VT6DCM (P2)

MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR
-------	--------	---------	------------------

VT6DCM B3	10.8	2800	240
VT6DCM B5	17.2	2800	240
VT6DCM B6	21.3	2800	240
VT6DCM B8	26.4	2800	240
VT6DCM B10	34.1	2800	240
VT6DCM B12	37.1	2800	240
VT6DCM B14	46.0	2800	240
VT6DCM B15	50.5	2800	240
VT6DCM B17	58.3	2800	240
VT6DCM B20	63.8	2800	240
VT6DCM B22	70.3	2800	240
VT6DCM B25	79.3	2500	240
VT6DCM B28	88.8	2500	210
VT6DCM B31	100.0	2500	210

SPARE PARTS

MODEL	DESCRIPTION
-------	-------------

VS24-10170	Seal Kit
----------------------------	----------



PUMPS

Double Vane Pump



- > SHAFT:
 - 1 ¼" x 14T Spline
 - 1 ¼" Straight Keyed
 - 1 ½" Straight Keyed
 - 1 ½" 17 Teeth
- > SPIGOT: 5"
- > MOUNT: 2 Bolt SAE C
- > SUCTION PORT: 3 ½" SAE Code 61
- > PRESSURE PORT (P1): 1 ½" SAE Code 61
- > PRESSURE PORT (P2): 1" SAE Code 61

> Contact Us for Replacement Shafts and Cartridges

VT6ECM (P1)

MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR Continuous
VT6ECM B42	132.3	2200	240
VT6ECM B45	142.4	2200	240
VT6ECM B50	158.5	2200	240
VT6ECM B52	164.8	2200	240
VT6ECM B57	180.7	2200	240
VT6ECM B62	196.7	2200	240
VT6ECM B66	213.3	2200	240
VT6ECM B72	227.1	2200	240
VT6ECM B85	269.8	2000	75

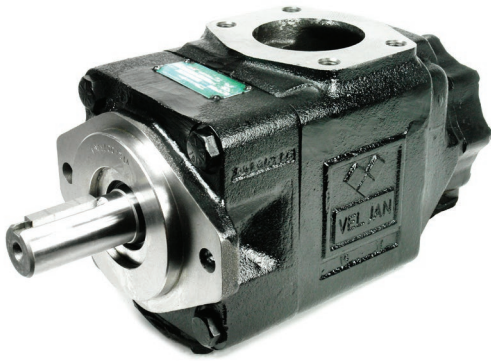
> SEE PAGE OVER FOR (P2) SPECIFICATIONS

VT6ECM (P2)

MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR Continuous
VT6ECM B3	10.8	2800	240
VT6ECM B5	17.2	2800	240
VT6ECM B6	21.3	2800	240
VT6ECM B8	26.4	2800	240
VT6ECM B10	34.1	2800	240
VT6ECM B12	37.1	2800	240
VT6ECM B14	46.0	2800	240
VT6ECM B15	50.5	2800	240
VT6ECM B17	58.3	2800	240
VT6ECM B20	63.8	2800	240
VT6ECM B22	70.3	2800	240
VT6ECM B25	79.3	2500	240
VT6ECM B28	88.8	2500	210
VT6ECM B31	100.0	2500	210

SPARE PARTS

MODEL	DESCRIPTION
VS24-10242	Seal Kit



PUMPS

Double Vane Pump



- > SHAFT:
 - 1 ¼" x 14T Spline
 - 1 ¼" Straight Keyed
 - 1 ½" Straight Keyed
 - 1 ½" 17 Teeth
- > SPIGOT:
 - 5"
- > MOUNT:
 - 2 Bolt SAE C
- > SUCTION PORT:
 - 3 ½" SAE Code 61
- > PRESSURE PORT (P1):
 - 1 ½" SAE Code 61
- > PRESSURE PORT (P2):
 - 1" SAE Code 61

> Contact Us for Replacement Shafts and Cartridges

VT6EDM (P1)

MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR <small>Continuous</small>
VT6EDM B42	132.3	2200	240
VT6EDM B45	142.4	2200	240
VT6EDM B50	158.5	2200	240
VT6EDM B52	164.8	2200	240
VT6EDM B57	180.7	2200	240
VT6EDM B62	196.7	2200	240
VT6EDM B66	213.3	2200	240
VT6EDM B72	227.1	2200	240
VT6EDM B85	269.8	2000	75

> [SEE PAGE OVER FOR \(P2\) SPECIFICATIONS](#)

VT6EDM (P2)

MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR Continuous
VT6EDM B3	10.8	2800	240
VT6EDM B5	17.2	2800	240
VT6EDM B6	21.3	2800	240
VT6EDM B8	26.4	2800	240
VT6EDM B10	34.1	2800	240
VT6EDM B12	37.1	2800	240
VT6EDM B14	46.0	2800	240
VT6EDM B15	50.5	2800	240
VT6EDM B17	58.3	2800	240
VT6EDM B20	63.8	2800	240
VT6EDM B22	70.3	2800	240
VT6EDM B25	79.3	2500	240
VT6EDM B28	88.8	2500	240
VT6EDM B31	100.0	2500	240

SPARE PARTS

MODEL	DESCRIPTION
VS24-10219	Seal Kit



PUMPS

Triple Vane Pump



- > SHAFT:
 - 1 ¼" Straight Keyed
 - 1 ¼" x 14T Spline
 - 1 ½" Straight Keyed
 - 1 ½" x 17T Spline
- > MOUNT:
 - 2 Bolt SAE C
- > SUCTION PORT:
 - 4" Code 61
- > PRESSURE PORT (P1):
 - 1 ¼" Code 61 Split Flange
- > PRESSURE PORT (P2):
 - 1" Code 61 Split Flange
- > PRESSURE PORT (P3):
 - 1" Code 61 Split Flange

> Contact Us for Replacement Shafts and Cartridges

VT6DCCM (P1)

MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR Continuous
VT6DCCM B14	47.6	2500	240
VT6DCCM B17	58.2	2500	240
VT6DCCM B20	66.0	2500	240
VT6DCCM B24	79.5	2500	240
VT6DCCM B28	89.7	2500	240
VT6DCCM B31	98.3	2500	240
VT6DCCM B35	110.0	2500	240
VT6DCCM B38	120.3	2500	240
VT6DCCM B42	136.0	2200	240
VT6DCCM B45	145.7	2200	240
VT6DCCM B50	158.0	2200	210
VT6DCCM B61	190.5	2200	80

> SEE PAGE OVER FOR (P2) & (P3) SPECIFICATIONS

VT6DCCM (P2 & P3)

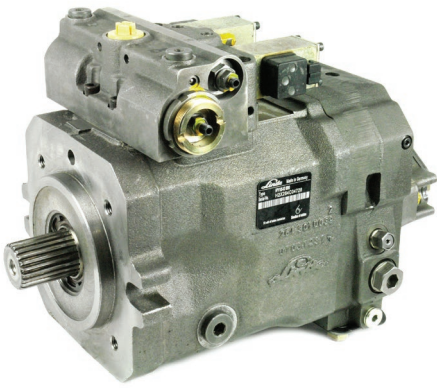
MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR Continuous
-------	--------	---------	--------------------------------

VT6DCCM B3	10.8	2800	240
VT6DCCM B5	17.2	2800	240
VT6DCCM B6	21.3	2800	240
VT6DCCM B8	26.4	2800	240
VT6DCCM B10	34.1	2800	240
VT6DCCM B12	37.1	2800	240
VT6DCCM B14	46.0	2800	240
VT6DCCM B15	50.5	2800	240
VT6DCCM B17	58.3	2800	240
VT6DCCM B20	63.8	2800	240
VT6DCCM B22	70.3	2800	240
VT6DCCM B25	79.3	2500	240
VT6DCCM B28	88.8	2500	210
VT6DCCM B31	100.0	2500	210

SPARE PARTS

MODEL	DESCRIPTION
-------	-------------

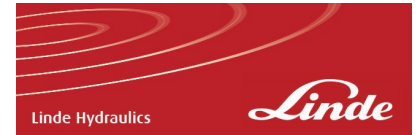
VS24-25575	Seal Kit
-------------------	-----------------



PUMPS

Piston Pump

- > Closed Loop Pump
- > CONTROLLERS: Electro-Hydraulic
Pilot Hydraulic Control
- > PORTS: SAE Flange Code 62
- > Multiple and Auxiliary Pump Options Available
- > R = CW Rotation
- > L = CCW Rotation

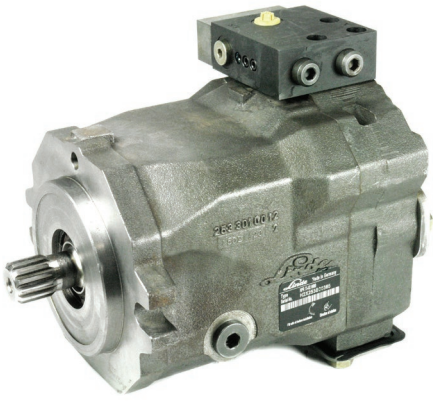


HPV - VARIABLE DISPLACEMENT

MODEL	MAX CC/REV	SHAFT	MOUNT	MAX RPM	MAX PRESSURE BAR Continuous
HPV-55-02	54.8	1" 15T	SAE B	4500	420
HPV-75-02	75.9	1 3/8" 21T	SAE C	3800	420
HPV-105-02	105.0	1 1/2" 23T	SAE C	3500	420
HPV-135-02	135.6	1 3/4" 27T	SAE D	3200	420

SPARE PARTS

MODEL	DESCRIPTION	SIZE
262 320 9902	Seal Kit	55-02
263 320 9912	Seal Kit	75
264 320 9912	Seal Kit	105
265 320 9906	Seal Kit	135
267 320 9900	Seal Kit	210
000 983 0623	Filter Element	35-55
000 983 0615	Filter Element	75 - 135
000 983 0633	Filter Element (High Pressure 35 Bar)	75 - 135



PUMPS

Piston Pump

- > Open Loop Pump
- > CONTROLLERS: Load Sensing with Electronic Override
Load Sensing with Pressure Cut Off
- > PORTS: SAE Flange Code 62
- > Auxiliary Pump Options Available
- > R = CW Rotation
- > L = CCW Rotation

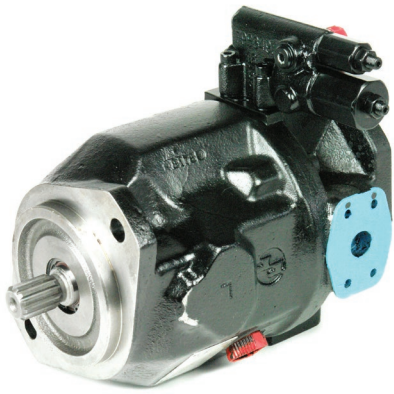


HPR - REGULATED DISPLACEMENT

MODEL	MAX CC/REV	SHAFT	MOUNT	MAX RPM	MAX PRESSURE BAR Continuous
HPR55-02	54.8	1 ¼" 14T	SAE C	2700	420
HPR75-02	75.9	1 ¼" 14T	SAE C	2600	420
HPR105-02	105.0	1 ½" 23T	SAE C	2300	420
HPR135-02	135.6	1 ¾" 27T	SAE D	2300	420

SPARE PARTS

MODEL	DESCRIPTION	SIZE
253 320 9901	Seal Kit	75
255 320 9913	Seal Kit	135



PUMPS

Piston Pump

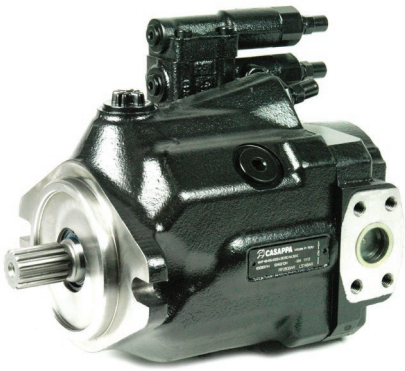
- > Open Loop Pump
- > CONTROLLERS:
 - Pressure Compensator
 - Load Sense
 - Horse Power Controlled
- > PORTS:
 - SAE Flange Code 61
- > Multiple and Auxiliary Pump Options Available
 - > R = CW Rotation
 - > L = CCW Rotation

GENUINE RE-MANUFACTURED A10V - VARIABLE DISPLACEMENT

MODEL	MAX CC/REV	MAX RPM	MAX PRESSURE BAR Continuous
A10VS018	18	3300	350
A10VS028	28	3000	350
A10VS045	45	2600	350
A10VS071	71	2200	350
A10VS0100	100	2000	350

SPARE PARTS

MODEL	DESCRIPTION	SIZE	SERIES
1018-941171S	Seal Kit - Viton	18	30-32
1028-932983S	Seal Kit - Viton	28	30-32
1045-932984S	Seal Kit - Viton	45	30-32
1071-932985S	Seal Kit - Viton	71	30-32
1100-941168S	Seal Kit - Viton	18	30-32



PUMPS

Piston Pump

- > Open Loop Pump
- > CONTROLLERS: Pressure Compensator
Load Sense
- > PORTS: SAE Flange Code 61
- > Multiple and Auxiliary Pump Options Available
- > R = CW Rotation
- > L = CCW Rotation

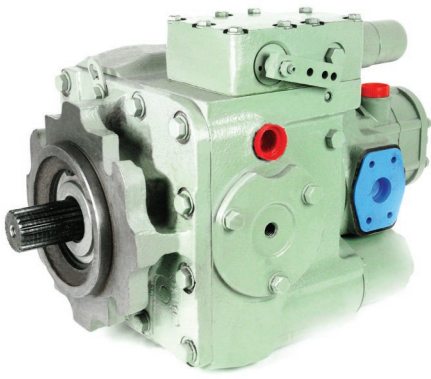


MVP - VARIABLE DISPLACEMENT

MODEL	MAX CC/REV	MAX RPM	MAX PRESSURE BAR Continuous
MVP30.28	34.8	3500	280
MVP48.45	53.7	3000	280
MVP60.60	60.0	3000	280
MVP60.72	72.0	2700	280
MVP60.84	84.7	2300	250

SPARE PARTS

MODEL	DESCRIPTION	SIZE
62082065	Seal Kit	MVP30
62082052	Seal Kit	MVP48
62082057	Seal Kit	MVP60



PUMPS

Piston Pump



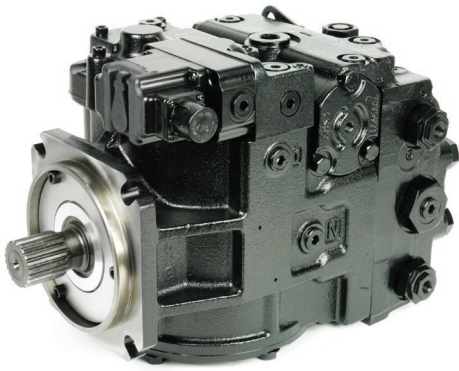
- > Closed Loop Pump
- > CONTROLLERS:
 - Manual
 - Pilot Hydraulic Control
 - Electro-Hydraulic
- > PORTS:
 - SAE Flange Code 61
- > Multiple and Auxiliary Pump Options Available
 - > R = CW Rotation
 - > L = CCW Rotation

PV20 SERIES - VARIABLE DISPLACEMENT

MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR Continuous
PV20	33	3800	345
PV21	51	3500	345
PV22	69	3200	345
PV23	89	2900	345
PV24	118	2700	345
PV25	165	2400	345
PV26	227	2100	345
PV27	333	1900	345

SPARE PARTS

MODEL	DESCRIPTION	SIZE
9510224	Seal Kit	PV20
9510227	Seal Kit	PV21
9510230	Seal Kit	PV22
9510233	Seal Kit	PV23
9510236	Seal Kit	PV24
9510239	Seal Kit	PV25
9510316	Seal Kit	PV26
9510242	Seal Kit	PV27



PUMPS

Piston Pump



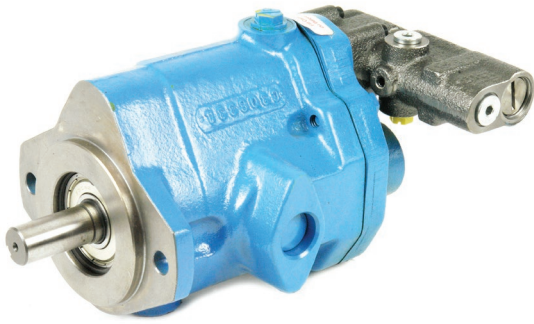
- > Closed Loop Pump
- > CONTROLLERS:
 - Manual
 - Pilot Hydraulic Control
 - Electro-Hydraulic
- > MOUNT: 4 Bolt SAE
- > PORTS: SAE Flange Code 62
- > Multiple and Auxiliary Pump Options Available
- > R = CW Rotation
- > L = CCW Rotation

90 SERIES - VARIABLE DISPLACEMENT

MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR Continuous
90R42	42	4200	420
90R55	55	3900	420
90R75	75	3600	420
90R100	100	3300	420
90R130	130	3100	420
90R180	180	2600	420
90R250	250	2300	420

SPARE PARTS

MODEL	DESCRIPTION	SIZE
80520S30	Seal Kit	42
80020S30	Seal Kit	55
81020S30	Seal Kit	75
82020S30	Seal Kit	100
83020S30	Seal Kit	130
8510062	Seal Kit	180
8510149	Seal Kit	250



PUMPS

Piston Pump



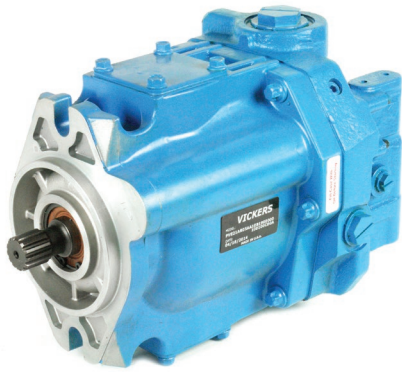
- > Open Loop Pump
- > CONTROLLERS: Pressure Compensator
Load Sense
- > SHAFT: 5 - 6 - 3/4" Straight Keyed
10 - 15 - 7/8" Straight Keyed
- > PORTS: UNO
- > R = CW Rotation
- > L = CCW Rotation

PVB - VARIABLE DISPLACEMENT

MODEL	MAX CC/REV	MOUNT	MAX RPM	MAX PRESSURE BAR Continuous
PVB-5	10.5	SAE A	1800	210
PVB-6	13.8	SAE A	1800	140
PVB-10	21	SAE B	1800	210
PVB-15	33	SAE B	1800	140

SPARE PARTS

MODEL	DESCRIPTION	SIZE
919191	Seal Kit	5 - 6
919682	Seal Kit	10 - 15



PUMPS

Piston Pump



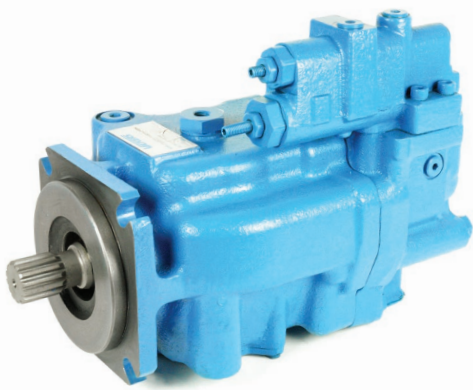
- > Open Loop Pump
- > CONTROLLERS: Pressure Compensator
Load Sense
- > SHAFT:
 - 012 7/8" Straight Keyed
 7/8" x 13T Spline
 - 019 - 021 1" Straight Keyed
 7/8" x 13T Spline
 1" x 15T Spline
- > MOUNT: SAE B
- > PORTS: UNO Threaded
- > R = CW Rotation
- > L = CCW Rotation

PVE - VARIABLE DISPLACEMENT

MODEL	MAX CC/REV	MAX RPM	MAX PRESSURE BAR Continuous
PVE-012	25	3000	210
PVE-019	41	2400	210
PVE-021	45	2400	186

SPARE PARTS

MODEL	DESCRIPTION	SIZE
882955	Seal Kit	12
02-348242	Seal Kit	19 - 21



PUMPS

Piston Pump



- > Open Loop Pump
- > CONTROLLERS: Pressure Compensator
 Load Sense
- > SHAFT: 57 - 1 ¼" Straight Keyed
 - 1 ¼" x 14T Spline
 74 - 1 ½" Straight Keyed
 - 1 ¼" x 14 T Spline
 - 1 ½" x 17 T Spline
 98 - 1 ½" Straight Keyed
 - 1 ½" x 17 T Spline
- > PORTS: Code 61 Flange
- > Drive Through Available
- > Contact Us for Spare Parts
- > R = CW Rotation
- > L = CCW Rotation

PVH - VARIABLE DISPLACEMENT

MODEL	MAX CC/REV	MAX RPM	MAX PRESSURE BAR Continuous
PVH-57	57	2400	280
PVH-74	74	2200	280
PVH-98	98	2100	280

SPARE PARTS

MODEL	DESCRIPTION	SIZE
02-102244	Seal Kit	57
02-102262	Seal Kit	74
02-102264	Seal Kit	98



PUMPS

Piston Pump



- > Closed Loop Tandem Pump
- > CONTROLLERS: Manual Lever
- > SHAFT: 1" x 15T
- > MOUNT: 2 Bolt SAE B
- > SPIGOT: 4"
- > PORTS: UNO
- > AUX PUMP OPTIONS: V10, V20, Tandem Group 2 Alloy Pump
- > * RPM Limited to Auxillary Pump Option

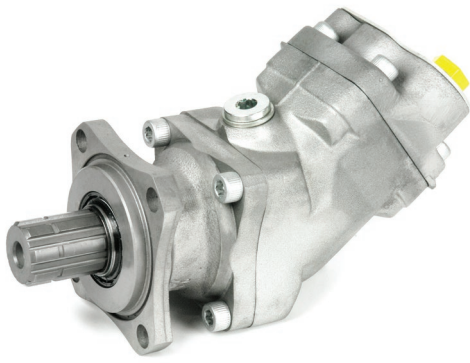
> Contact Us for Spare Parts

> R = CW Rotation

> L = CCW Rotation

TA1919 HYDRA-STATIC TANDEM

MODEL	MAX CC/REV	MAX RPM	MAX PRESSURE BAR Continuous
TA1919	40 x 40	3600*	206



PUMPS

Piston Pump

- > SHAFT: 35mm x 8T DIN
- > SPIGOT: 80mm
- > MOUNT: 4 Bolt ISO
- > PORTS: Suction Pipe / BSPP



- > R = CW Rotation
- > L = CCW Rotation

SCP DIN - FIXED DISPLACEMENT

MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR Continuous
SFP-SCP012L	12.6	3000	400
SFP-SCP017L	17.0	3000	400
SFP-SCP025L	25.4	3000	400
SFP-SCP034L	34.2	3000	400
SFP-SCP047L	47.1	2500	400
SFP-SCP056L	56.0	2500	400
SFP-SCP064L	63.6	2500	400
SFP-SCP084L	83.6	2000	400
SFP-SCP108L	108.0	2000	400

ACCESSORIES

MODEL	DESCRIPTION	HOSE SIZE (mm)	SIZE
SF-18400	Suction Pipe 90°	38	012-064
SF-18401	Suction Pipe 90°	50	012-064
SF-18403	Suction Pipe 90°	50	084-108

SPARE PARTS

MODEL	DESCRIPTION	SIZE
SFSK-50290	Seal Kit	12-34
SFSK-50291	Seal Kit	47-64
SFSK-50292	Seal Kit	84-108



PUMPS

Piston Pump

> MOUNT: 4 Bolt & 2 Bolt SAE
 > PORTS: Suction Pipe / BSPP



> R = CW Rotation
 > L = CCW Rotation

SCP SAE - FIXED DISPLACEMENT

MODEL	CC/REV	SHAFT	MOUNT	MAX RPM	MAX PRESSURE BAR Continuous
SFP-SCP012L	12.6	7/8" 13T	SAE B	3000	400
SFP-SCP017L	17.0	7/8" 13T	SAE B	3000	400
SFP-SCP025L	25.4	7/8" 13T	SAE B	3000	400
SFP-SCP034L	34.2	7/8" 13T	SAE B	3000	400
SFP-SCP047L	47.1	7/8" 13T	SAE B	2500	400
SFP-SCP056L	56.0	1 1/4" 14T	SAE C	2500	400
SFP-SCP064L	63.6	1 1/4" 14T	SAE C	2500	400
SFP-SCP084L	83.6	1 1/4" 14T	SAE C	2000	400
SFP-SCP108L	108.0	1 1/4" 14T	SAE C	2000	400

ACCESSORIES

MODEL	DESCRIPTION	HOSE SIZE (mm)	SIZE
SF-18400	Suction Pipe 90°	38	012-064
SF-18401	Suction Pipe 90°	50	012-064
SF-18403	Suction Pipe 90°	50	084-108

SPARE PARTS

MODEL	DESCRIPTION	SIZE
SFSK-50290	Seal Kit	12-34
SFSK-50291	Seal Kit	47-64
SFSK-50292	Seal Kit	84-108



PUMPS

Piston Pump



- > SHAFT: 35mm x 8T DIN
- > SPIGOT: 80mm
- > MOUNT: 4 Bolt ISO
- > PORTS: Suction Pipe / BSPP

- > Full Aluminium Body
- > R = CW Rotation
- > L = CCW Rotation

SAP - FIXED DISPLACEMENT

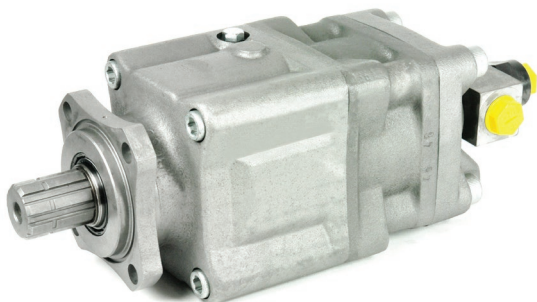
MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR Continuous
SFP-SAP-040	41.2	2500	350
SFP-SAP-047	47.2	2500	350
SFP-SAP-056	56.0	2500	350
SFP-SAP-064	63.6	2500	350

ACCESSORIES

MODEL	DESCRIPTION	HOSE SIZE (mm)	SIZE
SF-18400	Suction Pipe 90°	38	012-064
SF-18401	Suction Pipe 90°	50	012-064
SF-18403	Suction Pipe 90°	50	084-108

SPARE PARTS

MODEL	DESCRIPTION	SIZE
SFSK-50906	Seal Kit	



PUMPS

Piston Pump

- > SHAFT: 35mm x 8T DIN
- > SPIGOT: 80mm
- > MOUNT: 4 Bolt ISO
- > PORTS: Suction Pipe / BSPP



> Bi-Directional Rotation

SL - DUAL FIXED DISPLACEMENT

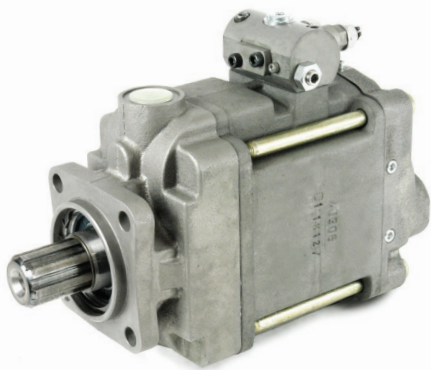
MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR Continuous
SFP-SL20/20	20.3 + 20.3	2200	350
SFP-SL28/28	27.5 + 27.5	1800	350
SFP-SL35/35	33.9 + 33.9	2200	330
SFP-SL40/20	40.7 + 20.3	2200	350
SFP-SL46/46	45.8 + 45.8	1800	330
SFP-SL53/53	52.5 + 52.5	1600	330
SFP-SL56/28	54.9 + 27.5	1800	350
SFP-SL64/32	63.0 + 31.5	1600	350

ACCESSORIES

MODEL	DESCRIPTION	HOSE SIZE (mm)
SF-18394	Suction Pipe 90°	64

SPARE PARTS

MODEL	DESCRIPTION	SIZE
SFSK-50303	Seal Kit	



PUMPS

Piston Pump

- > Open Loop Pump
- > CONTROLLERS: Pressure Compensator
Load Sense
- > SHAFT: 8T x 35mm Spline
- > MOUNT: 4 Bolt ISO
- > SPIGOT: 80mm
- > PORTS: Suction Pipe / BSPP

- > R = CW Rotation
- > L = CCW Rotation



SVH - VARIABLE DISPLACEMENT

MODEL	MAX CC/REV	MAX RPM	MAX PRESSURE BAR Continuous
SFP-SVH092	92	2400	350
SFP-SVH112	112	2200	350

ACCESSORIES

MODEL	DESCRIPTION	HOSE SIZE (mm)
SF-20102	Suction Pipe 45°	50

SPARE PARTS

MODEL	DESCRIPTION	SIZE
SF-92123	Seal Kit	062
SF-91972	Seal Kit	092
SF-91973	Seal Kit	112



PUMPS

Hand Pump

Badestnost
hydraulic components

- > Pumps in both directions
- > Pump includes handle

TANKLESS HAND PUMP

MODEL	DESCRIPTION	CC/REV	MAX PRESSURE BAR Continuous
PRBC 20M	Tankless Hand Pump	20	250



- > Pumps One Direction Only (Tank to be Added)
- > Suitable for S/A Cylinder - Lowering Valve
- > Pump Includes Handle

HAND PUMP (1 WAY)

MODEL	DESCRIPTION	CC/REV	MAX PRESSURE BAR Continuous
PRP12-SG38	Single Acting	12	300



PUMPS

Hand Pump

> Tank to Suit PRP12 Hand Pump

Badestnost
hydraulic components

TANK (1 WAY)

MODEL	DESCRIPTION
R2/6	Round Tank 2L
R3/6	Round Tank 3L
R5/6	Round Tank 5L



- > Pumps in Both Directions (Tank to be Added)
- > Suitable for S/A Cylinder - Lowering Valve
- > Pump Includes Handle

HAND PUMP (2 WAY S/A)

MODEL	DESCRIPTION	CC/REV	MAX PRESSURE BAR Continuous
PRB25/408	Single Acting	25	250
PRB25/412	Single Acting with R/V	25	250



PUMPS

Hand Pump

Badestnost
hydraulic components

- > Pumps in Both Directions (Tank to be Added)
- > Suitable for D/A Cylinder
- > Pump Includes Handle

HAND PUMP (2 WAY D/A)

MODEL	DESCRIPTION	CC/REV	MAX PRESSURE BAR Continuous
PRBD25	Double Acting / Valve / RV	25	250



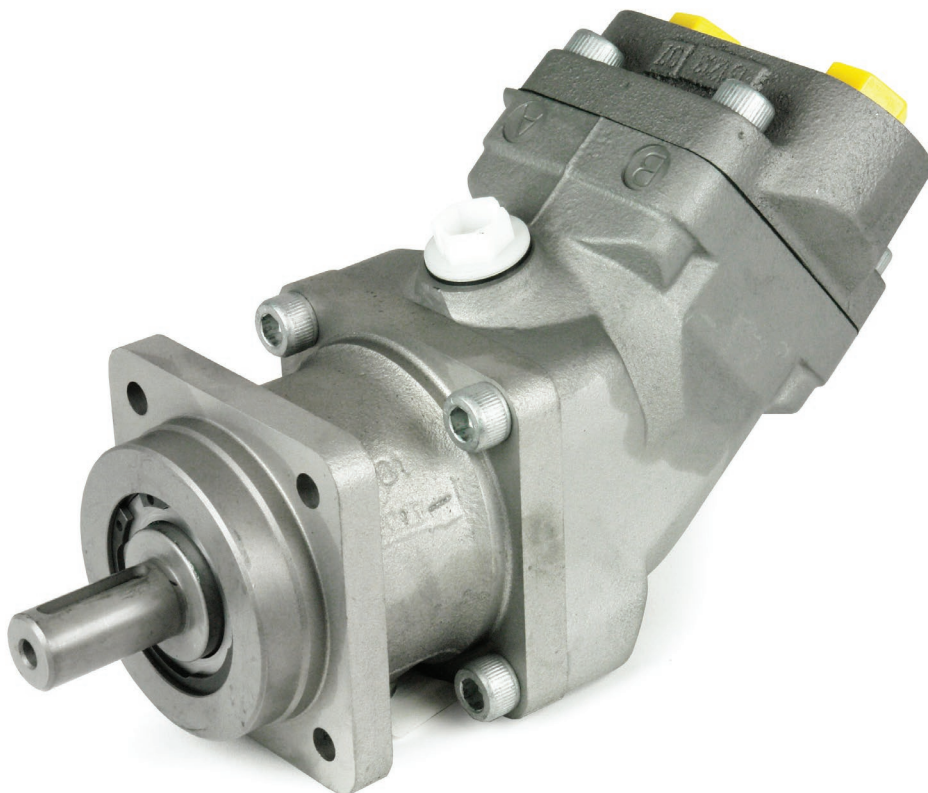
> Tank to Suit PRB25/408 and PRB25/412 Hand Pump

TANK (2 WAY)

MODEL	DESCRIPTION
RP3	Square Tank 3L
RP5	Square Tank 5L



MOTORS



MOTORS

Index

BRAND	MODEL	PAGE
Danfoss	OMM	98
Danfoss	OMP	99
Danfoss	OMR	100
Danfoss	OMH	101
Danfoss	OMS	102
Danfoss	OMT	103
Danfoss	OMV	104
Marzocchi	Group 2	105
Eaton Char-Lynn	J Series (129-)	106
Eaton Char-Lynn	H Series (101-)	107
Eaton Char-Lynn	T Series (158-)	108
Eaton Char-Lynn	Delta Series (184-)	109
Eaton Char-Lynn	2000 Series (104-)	110
Eaton Char-Lynn	4000 Series (109-, 110-)	111
Eaton Char-Lynn	6000 Series (112-, 113-, 114-)	112
Eaton Char-Lynn	10,000 Series (119-, 120-, 121-)	113
Permco	M124 Bush	114
Permco	M197 Bush	115
Permco	M257 Bush	116
Permco	M360 Bush	117
Permco	M2100 Bearing	118
Permco	M3100 Bearing	119
Permco	M5100 Bearing	120
Permco	M7600 Bearing	121
Ronzio	Group 2 Euro	122
Ronzio	Group 2 SAE	123
Ronzio	Group 2 German PCD	124
Ronzio	Group 2 German D3 PCD	125
Ronzio	Group 2 German M3 PCD	126
Staffa	Radial Piston Motor	127
Linde	HMF - Fixed Displacement	128
Linde	HMV - Variable Displacement	129

BRAND	MODEL	PAGE
Sauer Danfoss	MF 20 Series - Fixed Displacement	130
Sauer Danfoss	90 Series - Fixed Displacement	131
Sunfab	SFM ISO	132
Sunfab	SFM SAE	133
STF	OMZR Series	134
STF	OMZS Series	135
STF	OMZT Series	136
Veljan	VM4SE	137



MOTORS

Geroter

- > MOUNT: 2 Bolt SAE AA
- > OUTPUT SHAFT OPTIONS: 5/8" Straight Keyed
16mm Straight Keyed
9T Spline
- > DRAIN OPTION: 1/8" BSPP Rear



OMM SERIES

CC/REV	MAX RPM	MAX PRESSURE BAR Continuous
8	2450	200
12.5	2000	200
20	1250	200
32	800	158

SPARE PARTS

MODEL	DESCRIPTION	SERIES	SEAL O.D (mm)
151G0202	Seal Kit	1,2,3	28.2



MOTORS

Geroter

- > MOUNT: 2 Bolt SAE A
- > OUTPUT SHAFT OPTIONS: 25mm Straight Keyed
1" x 6T Spline
- > DRAIN OPTION: ¼" BSPP Rear



OMP SERIES

CC/REV	MAX RPM	MAX PRESSURE BAR Continuous
32	1720	100
40	1750	100
50	1540	140
80	960	140
100	770	140
125	600	140
160	480	140
200	385	115
250	310	90
315	245	75
400	190	60

SPARE PARTS

MODEL	DESCRIPTION	SERIES	SEAL O.D (mm)
151-1154	Seal Kit	4,5,6	48
151-1177	Seal Kit	5,6	42
151-1275	Seal Kit	7	42
151-1279	Seal Kit	7	39
151-1286	Seal Kit	8	39
151-1179	Seal Kit	7	48



MOTORS

Geroler



- > MOUNT: 2 Bolt SAE A
- > OUTPUT SHAFT OPTIONS: 25mm Straight Keyed
1" x 6 T Spline
- > DRAIN OPTION: ¼" BSPP rear

OMR SERIES

CC/REV	MAX RPM	MAX PRESSURE BAR Continuous
50	970	140
80	940	175
100	750	175
125	600	175
160	470	130
200	375	110
250	300	80
315	240	70
375	200	55

SPARE PARTS

MODEL	DESCRIPTION	SERIES	SEAL O.D (mm)
151-1159	Seal Kit	2,3,4	48
151-1178	Seal Kit	4	42
151-1277	Seal Kit	5	42
151-1286	Seal Kit	6	39
151-1166	Seal Kit	5	48



MOTORS

Geroler



- > MOUNT: 4 Bolt Magneto
- > OUTPUT SHAFT OPTIONS: 32mm Straight Keyed
35mm Straight Keyed
1 ¼" x 14 T Spline
- > DRAIN OPTION: ¼" BSPP rear

OMH SERIES

CC/REV	MAX RPM	MAX PRESSURE BAR Continuous
200	445	175
250	350	175
315	285	135
400	225	105
500	190	85

SPARE PARTS

MODEL	DESCRIPTION	SERIES	SEAL O.D (mm)
151H1100	Seal Kit	1	48
OMH HP SEAL	High Pressure Shaft Seal	1	



MOTORS

Disc Valve

- > MOUNT: 4 Bolt SAE A
- > OUTPUT SHAFT OPTIONS: 32mm Straight Keyed
1 ¼" x 14 T Spline
- > DRAIN OPTION: ¼" BSPP side

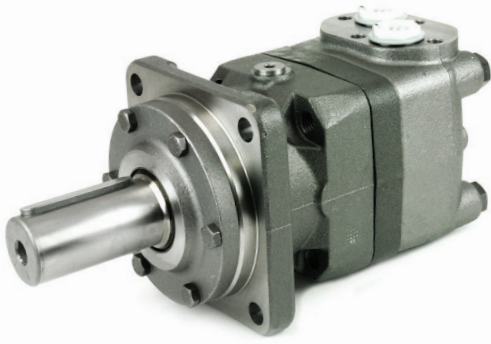


OMS SERIES

CC/REV	MAX RPM	MAX PRESSURE BAR Continuous
80	1000	124
100	900	124
125	720	124
160	560	124
200	450	124
250	360	124
315	285	117
400	230	114

SPARE PARTS

MODEL	DESCRIPTION	SERIES	SEAL O.D (mm)
151F0111	Seal Kit	1,2,3	52



MOTORS

Disc Valve



- > MOUNT: 4 Bolt ISO 125
- > OUTPUT SHAFT OPTIONS: 40mm Straight Keyed
1 ½" x 17 T Spline
- > DRAIN OPTION: ¼" BSPP side

OMT SERIES

CC/REV	MAX RPM	MAX PRESSURE BAR Continuous
160	780	262
200	750	262
250	600	262
315	460	262
400	365	227
500	285	206

SPARE PARTS

MODEL	DESCRIPTION	SERIES	SEAL O.D (mm)
151B0113	Seal Kit	1,2	65
151B0161	Heavy Duty Seal Kit	2	65



MOTORS

Disc Valve



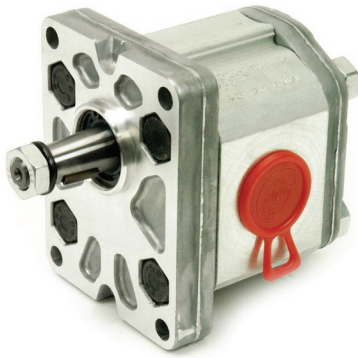
- > MOUNT: 4 Bolt ISO 160
- > OUTPUT SHAFT OPTIONS: 50mm Straight Keyed
2 1/8" x 16 T Spline
- > DRAIN OPTION: 1/4" BSPP side

OMV SERIES

CC/REV	MAX RPM	MAX PRESSURE BAR Continuous
315	630	262
400	600	262
500	480	262
630	380	262
800	300	206

SPARE PARTS

MODEL	DESCRIPTION	SERIES	SEAL O.D (mm)
151B0129	Seal Kit	1,2	80
151B0162	Seal Kit - Heavy Duty	2	80



MOTORS

Gear Motor

- > SPIGOT: 36.5mm
- > MOUNT: 4 Bolt 96mm x 71.5mm
- > PORTS: PCD 40 x 40
- > OUTPUT SHAFT OPTIONS: 1.8 Taper 150 Nm
4mm Key
- > DRAIN OPTION: ¼" BSPP



> [Bi-Directional Rotation](#)

GROUP 2

MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR Continuous
ALM2R13E1	9.6	3000	250
ALM2R16E1	11.5	4000	230
ALM2R20E1	14.1	4000	230
ALM2R22E1	16.0	4000	210
ALM2R25E1	17.9	3600	210
ALM2R30E1	21.1	3200	180
ALM2R34E1	23.7	3000	180
ALM2R40E1	28.2	2500	170

SPARE PARTS

MODEL	DESCRIPTION
650230	Seal Kit



MOTORS

Geroler

EATON | Char-Lynn

- > MOUNT: 5 Bolt Imperial and 5 Bolt Metric
- > OUTPUT SHAFT OPTIONS: 5/8" Straight Keyed
16mm Straight Keyed
9 T Spline

J SERIES (129-)

CC/REV	MAX RPM	MAX PRESSURE BAR Continuous
8.2	1992	140
12.9	1575	140
19.8	1043	140
31.6	650	121
50	393	97

SPARE PARTS

MODEL	DESCRIPTION
60580-000	Seal Kit



MOTORS

Gerotor

EATON | Char-Lynn

- > MOUNT: 2 Bolt SAE A and 4 Bolt Square
- > OUTPUT SHAFT OPTIONS:
 - 1" Straight Keyed
 - 25mm Straight Keyed
 - 1" x 6B Shaft
 - 1" Corrosive Resistant
 - 25mm Corrosive Resistant
 - 1" Tapered
 - 13T Spline

> Case Drain Option Available on Request

H SERIES (101-)

CC/REV	MAX RPM	MAX PRESSURE BAR Continuous
36	1021	124
46	969	124
59	953	124
74	760	124
97	585	124
120	469	124
146	385	117
159	353	114
185	304	110
231	243	100
293	192	93
370	152	86

SPARE PARTS

MODEL	DESCRIPTION
60540-000	Seal Kit 008/009



MOTORS

Geroler

EATON | Char-Lynn

- > MOUNT: 2 Bolt SAE A and 4 Bolt Square
- > OUTPUT SHAFT OPTIONS:
 - 1" Straight Keyed
 - 25mm Straight Keyed
 - 1" x 6B Shaft
 - 1" Corrosive Resistant
 - 25mm Corrosive Resistant
 - 1" Tapered
 - 13T Spline

> Case Drain Option Available on Request

T SERIES (158-)

CC/REV	MAX RPM	MAX PRESSURE BAR Continuous
36	1021	155
49	906	155
66	849	155
80	694	155
102	550	155
131	426	138
157	355	138
195	287	138
244	229	127
306	183	110
370	152	90

SPARE PARTS

MODEL	DESCRIPTION
60564-000	Seal Kit 008/009



MOTORS

Disc Valve

EATON | Char-Lynn

- > MOUNT:
 - Wheel Mount
 - 6 Bolt Magneto
- > OUTPUT SHAFT OPTIONS:
 - 1 ½" Straight Keyed
 - 1 ¼" Tapered
 - 1 ¼" 14T Spline
 - 1 ¼" Straight Keyed
 - 32mm Straight Keyed
 - 1" Straight Keyed

DELTA SERIES (184-)

CC/REV	MAX RPM	MAX PRESSURE BAR Continuous
113	668	205
146	519	205
198	382	205
243	323	205
252	300	205
300	252	205
347	218	205
395	192	190
470	161	170
542	140	140
649	117	120
754	100	105

SPARE PARTS

MODEL	DESCRIPTION
9900436-000	Seal Kit



MOTORS

Disc Valve

EATON | Char-Lynn

- > MOUNT:
- 4 Bolt Wheel Mount
 - 2 Bolt SAE
 - Bearing-less
 - 4 Bolt
 - 4 Bolt Magneto

- > OUTPUT SHAFT OPTIONS:
- Bearing-less
 - 1" Straight Keyed
 - 1 1/4" Straight Keyed
 - 1 1/4" Tapered
 - 1 1/4" 14T Spline
 - 1" 6B Spline
 - 32mm Straight Keyed
 - 25mm Straight Keyed

> Case Drain Option Available on Request

2000 SERIES (104-)

CC/REV	MAX RPM	MAX PRESSURE BAR Continuous
80	908	205
100	742	205
130	576	205
160	477	205
195	385	205
245	308	205
305	246	205
395	191	155
490	153	120

SPARE PARTS

MODEL	DESCRIPTION
61252-000	Seal Kit 003 to 005
61258-000	Seal Kit 006



MOTORS

Disc Valve

EATON | Char-Lynn

> MOUNT: 4 Bolt Bearing-less
4 Bolt Standard
4 Bolt Wheel
4 Bolt SAE C

> OUTPUT SHAFT OPTIONS: Bearing-less
1 1/4" Straight Keyed
1 5/8" Tapered
1 1/4" 14T Spline
40mm Straight Keyed

> Case Drain Option Available on Request

4000 SERIES (109-,110-)

CC/REV

MAX RPM

MAX PRESSURE BAR
Continuous

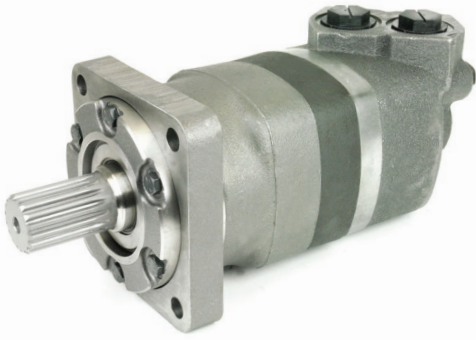
110	697	205
130	722	205
160	582	205
205	459	205
245	383	205
280	336	205
310	303	205
395	239	185
495	191	140
625	151	115

SPARE PARTS

MODEL

DESCRIPTION

61234-000	Seal Kit (Rear) 004
61236-000	Seal Kit (Shaft) 004
61234-000	Seal Kit (Rear) 006
61281-000	Seal Kit (Shaft) 006



MOTORS

Disc Valve

EATON | Char-Lynn

> MOUNT: 4 Bolt Bearing-less
 2 Bolt Standard SAE CC
 4 Bolt Wheel
 4 Bolt Global

> OUTPUT SHAFT OPTIONS: Bearing-less
 1 ¼" Straight Keyed
 1 ½" Tapered
 1 ¼" 14T Spline
 40mm Straight Keyed

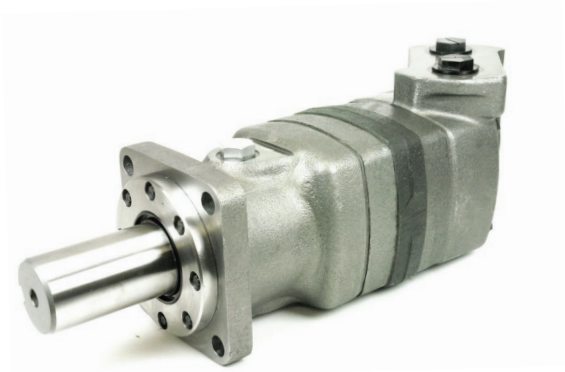
> Case Drain Option Available on Request

6000 SERIES (112-,113-,114-)

CC/REV	MAX RPM	MAX PRESSURE BAR Continuous
195	775	205
245	615	205
310	485	205
390	387	205
490	307	205
625	241	140
985	153	140

SPARE PARTS

MODEL	DESCRIPTION
61237-000	Seal Kit (Shaft) 005 / 006
61238-000	Seal Kit (Rear) 005 / 006



MOTORS

Disc Valve

EATON | Char-Lynn

> MOUNT: 4 Bolt Standard
4 Bolt Wheel
Bearing-less

> OUTPUT SHAFT OPTIONS: Bearing-less
2 1/4" Straight Keyed
2 1/4" Tapered
2 1/8" 16T Spline

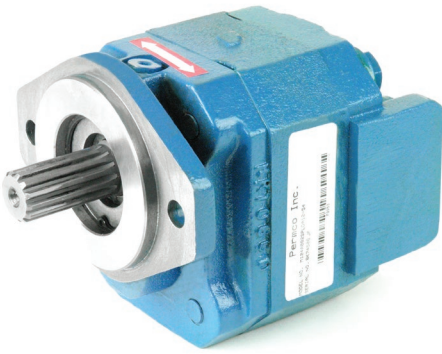
> Case Drain Option Available on Request

10,000 SERIES (119-,120-,121-)

CC/REV	MAX RPM	MAX PRESSURE BAR Continuous
345	501	205
480	354	205
665	254	205
940	179	190

SPARE PARTS

MODEL	DESCRIPTION
6406-000	Seal Kit (Shaft) 002 / 003 / 004
6405-000	Seal Kit (Rear) 002 / 003 / 004



MOTORS

Bush



> STANDARD SHAFTS:

- 7/8" 13T
- 5/8" 9T
- 3/4" 11T
- 5/8" Keyed
- 3/4" Keyed
- 7/8" Keyed

> STANDARD MOUNTS:

- 2 Bolt SAE A
- 2 Bolt SAE B

M124 BUSH

CC/REV	MAX PRESSURE BAR Continuous	GEAR WIDTH	MAX RPM
10.2	240	1/2"	3000
15.2	240	3/4"	3000
20.3	240	1"	3000
25.4	240	1 1/4"	3000
30.5	220	1 1/2"	3000
35.6	200	1 3/4"	3000
40.6	170	2"	3000

SPARE PARTS

MODEL	DESCRIPTION
M124-S	Seal Kit



MOTORS

Bush



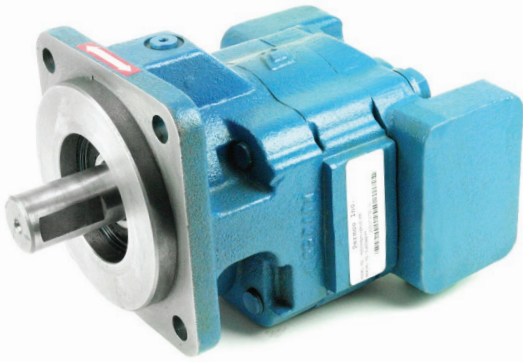
- > STANDARD SHAFTS:
 - 1" Keyed
 - 7/8" 13T
 - 1" x 15T
- > STANDARD MOUNTS:
 - 2 Bolt SAE A
 - 2 Bolt SAE B
 - 4 Bolt SAE B
 - 4 Bolt SAE C
- > 'C' SHAFTS:
 - 7/8" Keyed
 - 1 1/4" Keyed
 - 1 1/4" 14T

M197 BUSH

CC/REV	MAX PRESSURE BAR Continuous	GEAR WIDTH	MAX RPM
16.5	240	1/2"	3000
24.3	240	3/4"	3000
32.3	240	1"	3000
40.4	240	1 1/4"	3000
48.4	240	1 1/2"	3000
56.5	220	1 3/4"	3000
64.4	200	2"	3000

SPARE PARTS

MODEL	DESCRIPTION
M197-S	Seal Kit



MOTORS

Bush



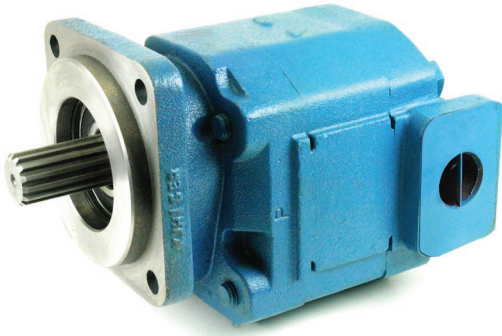
- > STANDARD SHAFTS:
 - 1 ¼" Keyed
 - 1 ¼" 14T
 - 7/8" x 13T
- > STANDARD MOUNTS:
 - 2 Bolt SAE B
 - 2 Bolt SAE C
 - 4 Bolt SAE B
 - 4 Bolt SAE C
- > 'C' SHAFTS:
 - 1" 15T

M257 BUSH

CC/REV	MAX PRESSURE BAR Continuous	GEAR WIDTH	MAX RPM
31.3	240	¾"	2400
41.8	240	1"	2400
52.2	240	1 ¼"	2400
62.7	240	1 ½"	2400
73.1	220	1 ¾"	2400
83.6	200	2"	2400
94.0	190	2 ¼"	2400
104.5	170	2 ½"	2400

SPARE PARTS

MODEL	DESCRIPTION
M257-S	Seal Kit



MOTORS

Bush



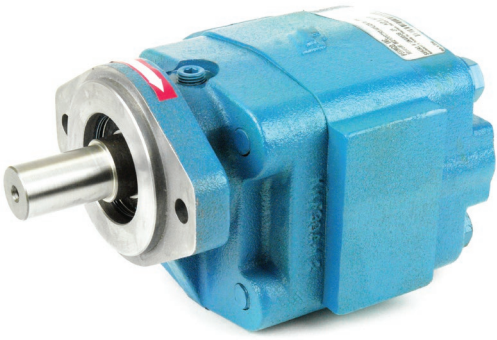
- > STANDARD SHAFTS: 1 ¼" Keyed
 1 ¼" 14T
- > STANDARD MOUNTS: 2 Bolt SAE C
 4 Bolt SAE B
 4 Bolt SAE C
- > 'C' SHAFTS: 1 ½" 17T

M360 BUSH

CC/REV	MAX PRESSURE BAR Continuous	GEAR WIDTH	MAX RPM
44.3	240	¾"	2400
59.0	240	1"	2400
73.8	240	1 ¼"	2400
88.5	240	1 ½"	2400
103.5	240	1 ¾"	2400
118.0	240	2"	2400
132.8	220	2 ¼"	2400
147.5	200	2 ½"	2400

SPARE PARTS

MODEL	DESCRIPTION
M360-S	Seal Kit



MOTORS

Bearing



- > STANDARD SHAFTS:
 - 7/8" 13T
 - 1" Keyed
 - 7/8" Keyed
- > STANDARD MOUNTS:
 - 2 Bolt SAE A
 - 2 Bolt SAE B
 - 2 Bolt SAE B-Short
 - 4 Bolt SAE B
 - 6 Bolt Round
 - Chelsea Clover

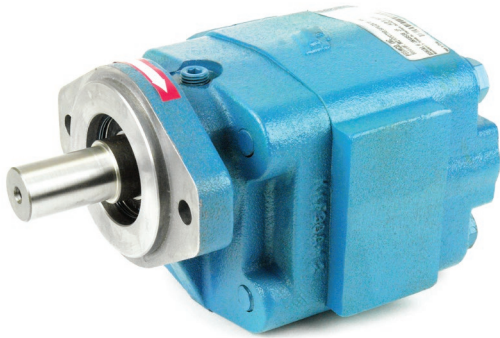
> Contact us for the full range of 'C' Shaft Options

M2100 ROLLER BEARING

CC/REV	MAX PRESSURE BAR Continuous	GEAR WIDTH	MAX RPM
16.1	205	1/2"	2400
32.2	205	3/4"	2400
32.2	205	1"	2400
40.4	205	1 1/4"	2400
48.4	205	1 1/2"	2400
56.5	170	1 3/4"	2400
64.6	170	2"	2400

SPARE PARTS

MODEL	DESCRIPTION
M2100-S	Seal Kit



MOTORS

Bearing



- > STANDARD SHAFTS:
 - 7/8" Keyed
 - 1" Keyed
 - 5/8" 9T
 - 7/8" 13T
- > STANDARD MOUNTS:
 - 2 Bolt SAE A
 - 2 Bolt SAE B
 - 4 Bolt SAE B
 - 4 Bolt SAE C
 - 6 Bolt Round

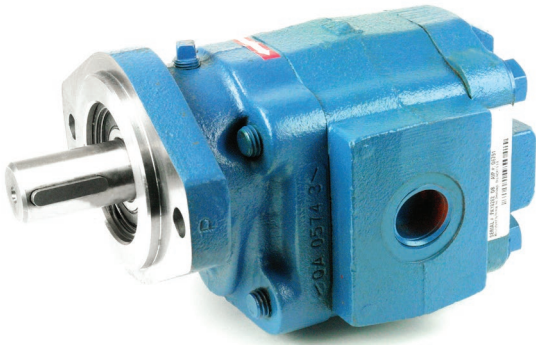
> Contact us for the full range of 'C' Shaft Options

M3100 ROLLER BEARING

CC/REV	MAX PRESSURE BAR Continuous	GEAR WIDTH	MAX RPM
16.2	205	1/2"	2400
24.2	205	3/4"	2400
32.3	205	1"	2400
40.4	205	1 1/4"	2400
48.4	205	1 1/2"	2400
56.5	170	1 3/4"	2400
64.6	170	2"	2400

SPARE PARTS

MODEL	DESCRIPTION
M3000-S	Seal Kit



MOTORS

Bearing



- > STANDARD SHAFTS:
 - 1 ¼" Keyed
 - 7/8" 13T
 - 1 ¼" 14T
- > STANDARD MOUNTS:
 - 2 Bolt SAE B
 - 2 Bolt SAE C
 - 4 Bolt SAE B
 - 4 Bolt SAE C
 - 6 Bolt Round
- > 'C' SHAFTS:
 - 1" Keyed
 - 1 ⅝" Keyed
 - 1" 6T
 - 1" 15T

M5100 ROLLER BEARING

CC/REV	MAX PRESSURE BAR Continuous	GEAR WIDTH	MAX RPM
20.9	205	½"	2400
31.3	205	¾"	2400
41.8	205	1"	2400
52.2	205	1 ¼"	2400
62.7	205	1 ½"	2400
73.1	170	1 ¾"	2400
83.6	170	2"	2400
94.0	153	2 ¼"	2400
104.5	153	2 ½"	2400

SPARE PARTS

MODEL	DESCRIPTION
M5000-S	Seal Kit

MOTORS

Bearing



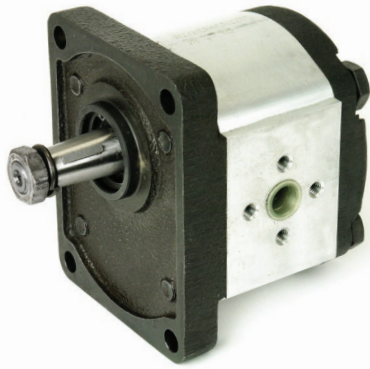
- > STANDARD SHAFTS: 1 ¼" 14T
1 ¼" Keyed
- > STANDARD MOUNTS: 2 Bolt SAE C
4 Bolt SAE B
4 Bolt SAE C
- > 'C' SHAFTS: 1 ¼" Keyed
1 ¾" 13T
KOMATSU 19T

M7600 ROLLER BEARING

CC/REV	MAX PRESSURE BAR Continuous	GEAR WIDTH	MAX RPM
50.4	205	¾"	2400
67.2	205	1"	2400
84.0	205	1 ¼"	2400
100.8	205	1 ½"	2400
117.6	205	1 ¾"	2400
134.4	205	2"	2400
151.2	170	2 ¼"	2400
167.8	170	2 ½"	2400
184.8	153	2 ¾"	2400
201.6	153	3"	2400

SPARE PARTS

MODEL	DESCRIPTION
M7500-S	Seal Kit



MOTORS

Aluminium Gear



- > SHAFT: 1.8 taper
- > SPIGOT: 36.5mm
- > MOUNT: Euro 4 Bolt 96 x 71.55mm
- > PORTS: PCD Port Sizes 4 - 8 30 x 40
 11 - 13 40 x 30

- > BSPP Ports Available
- > Alloy Body with Cast Iron Ends
- > D = CW Rotation
- > S = CCW Rotation
- > R = Bi-Directional

GROUP 2 EURO

MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR	
			Continuous	Peak
02ZAG04C032TD	4.4	4500	300	360
02ZAG06C032TD	6.28	4500	300	360
02ZAG08C032TD	8.16	3700	300	360
02ZAG11C033TD	11.3	3300	300	360
02ZAG14C033TD	14.45	2700	300	360
02ZAG17C033TD	16.95	2500	270	330
02ZAG20C033TD	20.1	2500	230	290
02ZAG25C033TD	25.75	2500	180	230
02ZAG31C033TD	31.4	2200	160	200

SPARE PARTS

MODEL	DESCRIPTION
02ZM-S	Seal Kit
02ZM-S-V	Seal Kit Viton
MIM30187A	Shaft Seal
MIM30197A	Shaft Seal for 3/4" 11T x 17mm 10T Shafts
RO31006	Seal Retainer for 3/4" 11T x 17mm 10T Shafts



MOTORS

Aluminium Gear



- > SHAFT: $\frac{5}{8}$ " Keyed or $\frac{5}{8}$ " Spline
- > SPIGOT: 3 $\frac{1}{4}$ "
- > MOUNT: 2 Bolt SAE A
- > PORTS: UNO Port Sizes 4 - 11 $\frac{7}{8}$ " x $\frac{7}{8}$ " UNO
14 - 31 1 $\frac{1}{16}$ " x $\frac{1}{8}$ " UNO

- > Alloy Body with Cast Iron Ends
- > D = CW Rotation
- > S = CCW Rotation
- > R = Bi-Directional

GROUP 2 SAE

MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR	
			Continuous	Peak
02ZCG04L437D	4.4	4500	300	360
02ZCG06L437D	6.28	4500	300	360
02ZCG08L437D	8.16	3700	300	360
02ZCG11L437D	11.3	3300	300	360
02ZCG14L438D	14.45	2700	300	360
02ZCG17L438D	16.95	2500	270	330
02ZCG20L438D	20.1	2500	230	290
02ZCG25L438D	25.75	2500	180	230
02ZCG31L438D	31.4	2200	160	200

> MODEL CODES REFER TO KEYED SHAFTS

SPARE PARTS

MODEL	DESCRIPTION
02ZM-S	Seal Kit
02ZM-S-V	Seal Kit Viton
MIM30187A	Shaft Seal
MIM30197A	Shaft Seal for $\frac{3}{4}$ " 11T x 17mm 10T Shafts
RO31006	Seal Retainer for $\frac{3}{4}$ " 11T x 17mm 10T Shafts



MOTORS

Aluminium Gear



- > SHAFT: 1.5 Taper or 9T DIN Spline
- > SPIGOT: 80mm
- > MOUNT: 4 Bolt German 100 x 72mm
- > PORTS: PCD 40 x 35

- > Alloy Body with Cast Iron Ends
- > D = CW Rotation
- > S = CCW Rotation
- > R = Bi-Directional

GROUP 2

4 BOLT GERMAN PCD

MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR	
			Continuous	Peak
02ZBG04A136TD	4.4	4500	300	360
02ZBG06A136TD	6.28	4500	300	360
02ZBG08A136TD	8.16	3700	300	360
02ZBG11A136TD	11.3	3300	300	360
02ZBG14A136TD	14.45	2700	300	360
02ZBG17A136TD	16.95	2500	270	330
02ZBG20A136TD	20.1	2500	230	290
02ZBG25A136TD	25.75	2500	180	230
02ZBG31A136TD	31.4	2200	160	200

> MODEL CODES REFER TO 1:5 TAPER

SPARE PARTS

MODEL	DESCRIPTION
02ZM-S	Seal Kit
02ZM-S-V	Seal Kit Viton
MIM30187A	Shaft Seal
MIM30197A	Shaft Seal for 3/4" 11T x 17mm 10T Shafts
RO31006	Seal Retainer for 3/4" 11T x 17mm 10T Shafts



MOTORS

Aluminium Gear



- > SHAFT: 1.5 taper or 9T DIN Spline
- > SPIGOT: 50mm
- > MOUNT: 2 Bolt German 60 x 60
- > MOUNTING HOLES: 5 o'clock / 11 o'clock
- > PORTS: PCD 40 x 35

- > Alloy Body with Cast Iron Ends
- > D = CW Rotation
- > S = CCW Rotation
- > R = Bi-Directional

GROUP 2

2 BOLT GERMAN D3 PCD

MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR	
			Continuous	Peak
02ZDG04A336TD	4.4	4500	300	360
02ZDG06A336TD	6.28	4500	300	360
02ZDG08A336TD	8.16	3700	300	360
02ZDG11A336TD	11.3	3300	300	360
02ZDG14A336TD	14.45	2700	300	360
02ZDG17A336TD	16.95	2500	270	330
02ZDG20A336TD	20.1	2500	230	290
02ZDG25A336TD	25.75	2500	180	230
02ZDG31A336TD	31.4	2200	160	200

> MODEL CODES REFER TO 1:5 TAPER

SPARE PARTS

MODEL	DESCRIPTION
02ZM-S	Seal Kit
02ZM-S-V	Seal Kit Viton
MIM30187A	Shaft Seal
MIM30197A	Shaft Seal for 3/4" 11T x 17mm 10T Shafts
RO31006	Seal Retainer for 3/4" 11T x 17mm 10T Shafts



MOTORS

Aluminium Gear



- > SHAFT: 1.5 Taper or 9T DIN Spline
- > SPIGOT: 50mm
- > MOUNT: 2 Bolt German 60 x 60
- > MOUNTING HOLES: 1 o'clock / 7 o'clock
- > PORTS: PCD 40 x 35

- > Alloy Body with Cast Iron Ends
- > D = CW Rotation
- > S = CCW Rotation
- > R = Bi-Directional

GROUP 2

2 BOLT GERMAN M3 PCD

MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR	
			Continuous	Peak
02ZMMG04A336TD	4.4	4500	300	360
02ZMMG06A336TD	6.28	4500	300	360
02ZMMG08A336TD	8.16	3700	300	360
02ZMMG11A336TD	11.3	3300	300	360
02ZMMG14A336TD	14.45	2700	300	360

> MODEL CODES REFER TO 1:5 TAPER

SPARE PARTS

MODEL	DESCRIPTION
02ZM-S	Seal Kit
02ZM-S-V	Seal Kit Viton
MIM30187A	Shaft Seal
MIM30197A	Shaft Seal for 3/4" 11T x 17mm 10T Shafts
RO31006	Seal Retainer for 3/4" 11T x 17mm 10T Shafts



MOTORS

Radial Piston

Staffa

RADIAL PISTON MOTOR

MODEL	CC/REV	AVE RUNNING TORQUE (Nm/Bar)	MAX RPM	MAX CONT OUTPUT (Kw)	MAX PRESSURE BAR	
					Continuous	Intermittent

HMB010	188	2.79	500	25	207	241
HMB030	442	6.56	450	42	207	293
HMB045	740	10.95	400	60	250	293
HMB060	983	14.5	300	80	250	293
HMB080	1344	14.5	200	75	250	293
HMB100	1639	19.9	300	100	250	293
HMB125	2050	30.66	220	100	250	293
HMB150	2470	36.95	220	100	250	293
HMB200	3080	46.07	175	130	250	293
HMB270	4310	63.79	125	140	250	293
HMB325	5310	79.4	100	140	250	293
HMB400	6800	101	120	190	250	293
HMB700	11600	171.7	100	240	210	250

SPARE PARTS

MODEL	DESCRIPTION	SIZE
-------	-------------	------

ST-512700	Seal Kit	HVM010
ST-74249	Seal Kit	HMB030
ST-02276814	Seal Kit	HMB045
ST-687758	Seal Kit	HMB060 - 080
ST-687759	Seal Kit	HMB100
ST-687644	Seal Kit	HMB150 - 200
ST-687663	Seal Kit	HMB270 - 325



MOTORS

Piston

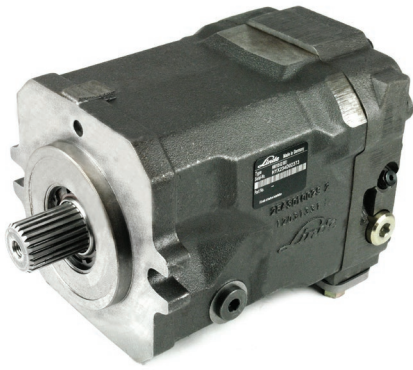


HMF - FIXED DISPLACEMENT

MODEL	CC/REV	SHAFT	MOUNT	MAX RPM	MAX PRESSURE BAR Continuous
HMF-35-02	35.6	1" 15T	SAE B	4500	420
HMF-50-02	51.3	1 3/8" 21T	SAE C	4200	420
HMF-75-02	75.9	1 3/8" 21T	SAE C	3800	420
HMF-105-02	105.0	1 1/2" 23T	SAE C	3500	420
HMF-135-02	135.6	1 3/4" 27T	SAE D	3200	420

SPARE PARTS

MODEL	DESCRIPTION	SIZE
291 320 9900	Seal Kit	35
292 320 9900	Seal Kit	50
293 320 9900	Seal Kit	75
294 320 9900	Seal Kit	105
295 320 9900	Seal Kit	130



MOTORS

Piston

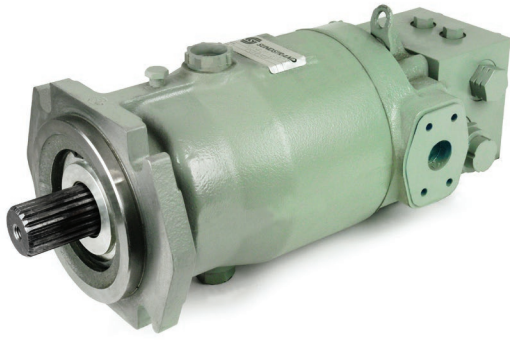


HMV - VARIABLE DISPLACEMENT

MODEL	MAX CC/REV	SHAFT	MOUNT	MAX RPM	MAX PRESSURE BAR Continuous
HMV-75-02	75.9	1 3/8" 21T	SAE C	3800	420
HMV-105-02	105.0	1 1/2" 23T	SAE C	3500	420
HMV-135-02	135.6	1 3/4" 27T	SAE D	3200	420
HMV-210-02	210.0	2" 15T	SAE E	2700	420

SPARE PARTS

MODEL	DESCRIPTION	SIZE
232 320 9902	Seal Kit	50
233 320 9902	Seal Kit	75
234 320 9900	Seal Kit	105
235 320 9902	Seal Kit	135
237 320 9900	Seal Kit	210



MOTORS

Piston

- > Closed Loop
- > PORTS:



MF20 SERIES - FIXED DISPLACEMENT

MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR Continuous
MF20	33	3800	345
MF21	51	3500	345
MF22	69	3200	345
MF23	89	2900	345
MF24	118	2700	345
MF25	165	2400	345
MF26	227	2100	345
MF27	333	1900	345

SPARE PARTS

MODEL	DESCRIPTION	SIZE
9510225	Seal Kit	MF20
9510228	Seal Kit	MF21
9510231	Seal Kit	MF22
9510234	Seal Kit	MF23
9510237	Seal Kit	MF24
9510240	Seal Kit	MF25
9510317	Seal Kit	MF26
9510243	Seal Kit	MF27



MOTORS

Piston

> Closed Loop
> PORTS:

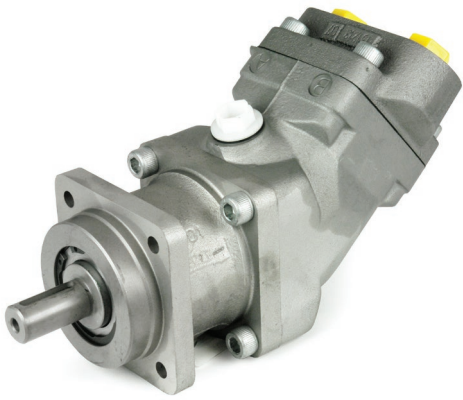


90 SERIES - FIXED DISPLACEMENT

MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR Continuous
90M055	55	3900	420
90M075	75	3600	420
90M100	100	3300	420

SPARE PARTS

MODEL	DESCRIPTION	SIZE
80030S30	Seal Kit	90M055
81030S30	Seal Kit	90M075
82030S30	Seal Kit	90M100



MOTORS

Piston

> MOUNT: 4 Bolt ISO
 > PORTS: BSPP Thread
 SAE Flange Code 62

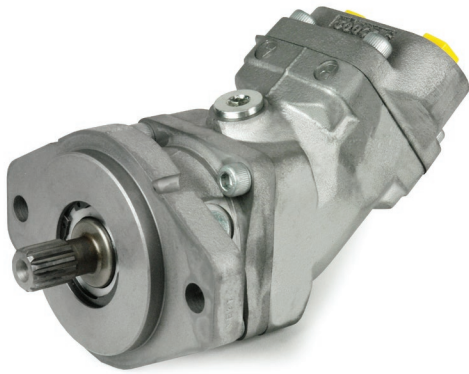


SFM ISO

MODEL	CC/REV	SHAFT KEYED (mm)	SPIGOT (mm)	MAX RPM	MAX PRESSURE BAR Continuous
SFM-012WNI4	12.6	25	80	8000	350
SFM-017WNI4	17.0	25	80	8000	350
SFM-025WNI4	25.4	30	100	6300	350
SFM-034WNI4	34.2	30	100	6300	350
SFM-047WNI4	47.1	35	125	5700	350
SFM-056WNI4	56.0	35	125	5700	350
SFM-064WNI4	63.5	35	125	5700	350
SFM-084WNI4	83.6	40	140	4700	350
SFM-108WNI4	108.0	45	160	4700	350
SFM-130WNI4	130.0	45	160	4700	300

SPARE PARTS

MODEL	DESCRIPTION	SIZE
SFSK-50543	Seal Kit	012-034
SFSK-50766	Shaft Seal Kit	040-064
SFSK-50585	Shaft Seal Kit	084-130
SFSK-50548	Complete Seal Kit	012-034
SFSK-50556	Complete Seal Kit	047-064
SFSK-50591	Complete Seal Kit	084-130



MOTORS

Piston

- > MOUNT: SAE B, SAE C, SAE D
- > PORTS: BSPP Thread
- SAE Flange Code 62



SFM SAE

MODEL	CC/REV	SHAFT KEYED	SHAFT SPLINE	MOUNT	MAX RPM	MAX PRESSURE BAR Continuous
SFM-012WNC4	12.6	1"	7/8" 13T	SAE B	7500	350
SFM-017WNC4	17.0	1"	7/8" 13T	SAE B	7500	350
SFM-025WNC4	25.4	1"	7/8" 13T	SAE B	5900	350
SFM-034WNC4	34.2	1"	7/8" 13T	SAE B	5900	350
SFM-047WNC4	47.1	1 1/4"	1 1/4" 14T	SAE C	5300	350
SFM-056WNC4	56.0	1 1/4"	1 1/4" 14T	SAE C	5300	350
SFM-064WNC4	63.5	1 1/4"	1 1/4" 14T	SAE C	4400	350
SFM-084WNC4	83.6	1 1/4"	1 1/4" 14T	SAE C	4400	350
SFM-108WNC4	108.0	1 1/4"	1 1/4" 14T	SAE C	4200	350
SFM-130WNC4	130.0	1 3/4"	1 3/4" 13T	SAE D	4200	300

SPARE PARTS

MODEL	DESCRIPTION	SIZE
SFSK-50486	Seal Kit	012-034
SFSK-50480	Seal Kit	047-064
SFSK-50458	Seal Kit	108



MOTORS

Geroler

- > MOUNT: 2 Bolt SAE A
1/2" BSPP Ports
- > OUTPUT SHAFT OPTIONS: 25mm Parallel - CODE A
1" Parallel - CODE C
1" 6B Spline - CODE E
- > Max Return Line Pressure with Case Drain - 120 Bar
- > All Motors Supplied with Case Drain
- > Similar To Other Renowned Geroler Motors Sold in NZ



OMZR SERIES

MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR Continuous
OMZR50	50	970	170
OMZR80	80	940	170
OMZR100	100	750	170
OMZR125	125	600	170
OMZR160	160	470	170
OMZR200	200	375	170
OMZR250	250	300	170
OMZR315	315	240	170
OMZR375	375	200	170
OMZR400	400	190	170

SPARE PARTS

MODEL	DESCRIPTION
OMZR-SK	Seal Kit



MOTORS

Disc Valve

> MOUNT:

2 Bolt SAE A
 4 Bolt SAE Mount - **CODE E4**
 ½" BSPP Ports



STF
 HYDRAULIC TRANSMISSIONS

> OUTPUT SHAFT OPTIONS:

25mm Parallel - **CODE A**
 32mm Parallel - **CODE B**
 1" Parallel - **CODE D**
 1 ¼" Parallel - **CODE G**
 1" 6B Spline - **CODE S**

- > Max Return Line Pressure with Case Drain - 150 Bar
- > Similar To Other Renowned Disc Valve Motors Sold in NZ

OMZS SERIES

MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR Continuous
OMZS80	80	988	250
OMZS100	100	900	250
OMZS125	125	720	250
OMZS160	160	560	250
OMZS200	200	450	250
OMZS250	250	360	250
OMZS315	315	280	250
OMZS400	400	240	250

SPARE PARTS

MODEL	DESCRIPTION
OMZS-SK	Seal Kit



MOTORS

Disc Valve

ns



- > MOUNT: 4 Bolt ISO 125
 $\frac{3}{4}$ " BSPP
 $\frac{3}{4}$ " Flange Port
- > OUTPUT SHAFT OPTIONS: 40mm Parallel - CODE M
 1 $\frac{1}{2}$ " Parallel - CODE G
 1 $\frac{1}{2}$ " 17T - CODE F
- > Max Return Line Pressure with Case Drain - 150 Bar
- > Similar To Other Renowned Disc Valve Motors Sold in NZ

OMZT SERIES

MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR Continuous
OMZT160	160	614	210
OMZT200	200	615	210
OMZT250	250	495	210
OMZT315	315	380	210
OMZT400	400	302	210
OMZT500	500	237	210
OMZT630	630	196	210
OMZT800	800	154	210

SPARE PARTS

MODEL	DESCRIPTION
OMZT-SK	Seal Kit



MOTORS

Vane



- > MOUNT: 2/4 Bolt SAE C
- > PORTS: Code 61 Flange
- > SHAFTS: 1 1/4" Keyed
1 1/4" x 14T

VM4SE

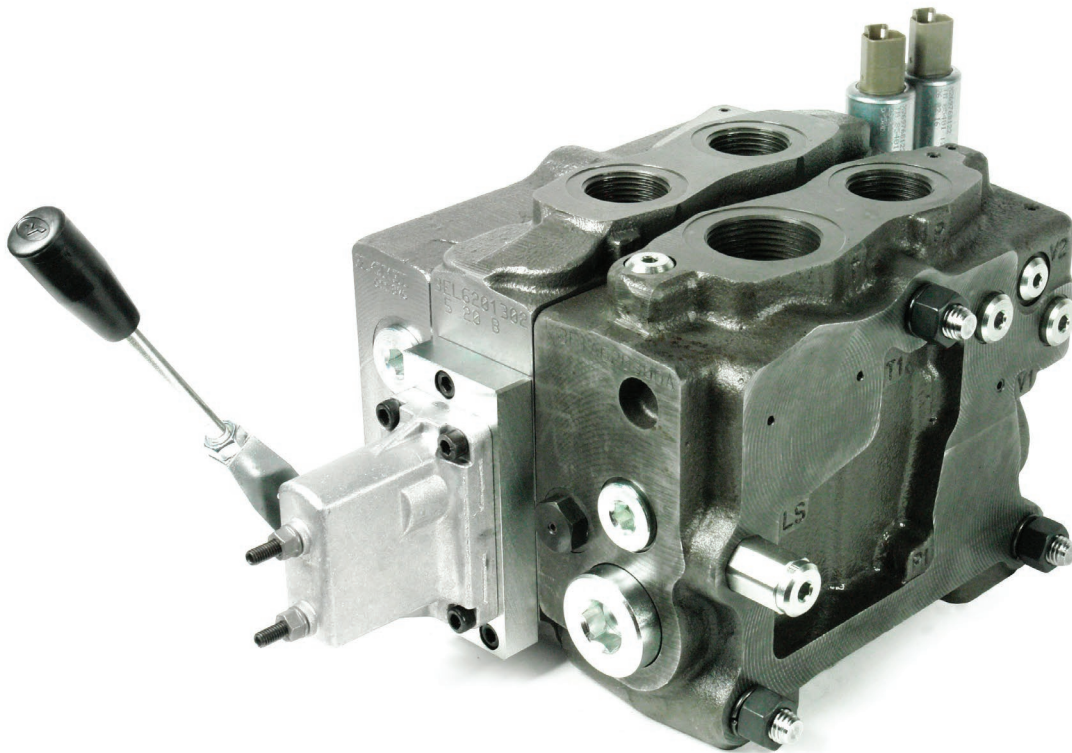
MODEL	CC/REV	MAX RPM	MAX PRESSURE BAR Continuous
VM4SE1-214	222.0	3600	175
VM4SE1-153	158.5	3600	175
VM4SE1-185	191.6	3600	175

SPARE PARTS

MODEL	DESCRIPTION
VS14-42336-5	Seal Kit



VALVES



VALVES

Index

PRODUCT	BRAND	MODEL	PAGE
Front End Loader Valve	Walvoil	SDM 143	142
Front End Loader Valve	Walvoil	DLM 142	143
Monoblock Control Valve	Walvoil	SD5	144
Monoblock Control Valve	Walvoil	SD11	148
Monoblock Control Valve	Walvoil	SD14	150
Monoblock Control Valve	Walvoil	SD18	152
Monoblock Control Valve	Brand	SDCF 120	154
Monoblock Control Valve	Badestnost	P40	156
Monoblock Control Valve	Badestnost	P80	158
Monoblock Control Valve	Badestnost	P120	160
Sectional Valve	Walvoil	SD6 Series	162
Sectional Valve	Walvoil	SDS150 Series	165
Sectional Valve	Walvoil	SDS180 Series	168
Sectional Valve	Walvoil	SD25 Series	171
Sectional Valve	Prince	V20 Series	174
Sectional Valve	Badestnost	ZC70	176
Load Sense Sectional Valve	Walvoil	DLS7 Series	177
Load Sense Sectional Valve	Walvoil	DPC130 Series	180
Load Sense Sectional Valve	Walvoil	DPC200 Series	185
Load Sense Sectional Valve	Danfoss	PVG32	190
Load Sense Sectional Valve	Danfoss	PVG100	191
Electronic Flow Control	Brand	EFC	192
Electronic Flow Control (Series)	Brand	SEFC	193
Electric Diverter Valve	Walvoil	DFE (Solenoid Type)	194
Electric Diverter Valve	LC	L7	196
Electric Diverter Valve	Hydro Control	SVE	197
Electric Diverter Valve	Badestnost	DVS & SVV	198
Manual Diverter Valve	Walvoil	DF (Spool Type)	199
Manual Diverter Valve	Walvoil	DH (Rotary Type)	200
Manual Diverter Valve	Hydro Control	SVM	201
Manual Diverter Valve	Prince	Push / Pull	202
Manual Diverter Valve	Badestnost	3 Way, 4 Way Rotary Diverter Valve	203
Manual Diverter Valve	Badestnost	Selector 3 Port Push / Pull	204

PRODUCT	BRAND	MODEL	PAGE
Cetop 3 Valve	Vickers	Cetop 3 Valve	206
Cetop 3 Valve	Hoyea	Cetop 3 Valve	207
Cetop 3 Module	Hoyea	Cetop 3 Module	208
Cetop 3 Module	HCV	Cetop 3 Module	209
Cetop 3 Subplate	Hoyea	Cetop 3 Subplates / Manifolds	210
Cetop 3 Subplate	HCV	Cetop 3 Subplate	211
Cetop 5 Valve	Vickers	Cetop 5 Valve	212
Cetop 5 Valve	Hoyea	Cetop 5 Valve	213
Cetop 5 Module	HCV	Cetop 5 Module	214
Cetop 5 Subplate	Hoyea / HCV	Cetop 3 Subplates	215
Handles & Levers	Walvoil	H Series	216
Handles & Levers	Walvoil	P Series, Standard Series	217
Handles & Levers	Hydro Control	RCX Series	218
Cable Controls	Walvoil	Valve Connection (A) Cables (B)	219
Cable Controls	Walvoil	Lever Control Kit (C) <i>Refer Page for Models</i>	220
Cable Controls	Walvoil	Lever Control Bank (D) <i>Refer Page for Models</i>	220
Cable Controls	Walvoil	Lever Control Kit (C) <i>Refer Page for Models</i>	221
Cable Controls	Walvoil	Lever Control Bank (D) <i>Refer Page for Models</i>	221
Cable Controls	Walvoil	Cable Joystick (E)	222
Hydraulic Pilot Controls	Walvoil	SV Hydraulic Series	223
Hydraulic Pilot Controls	Hydro Control	RCM Series	224
Hydraulic Pilot Controls	Hydro Control	RCX Series	225
Electronic Controls	Walvoil	CED 400X, AJW Joystick	226



VALVES

Front End Loader Valve

- > For Open & Closed Centre Systems
- > Nominal Flow Rate - 80 l/min
- > Maximum Tank Pressure - 10 BAR
- > Maximum Working Pressure - 250 BAR



SDM 143

MODEL	DESCRIPTION	NO. SPOOLS	NOMINAL FLOW (l/min)	P&T (BSPP)	A&B (BSPP)
103220018	SDM143/2-P(XG-185)/113SL/18MASL/AET	2	80	3/4"	1/2"

ACCESSORIES

MODEL	DESCRIPTION	TYPE
5V13108040	Detent In Float & Sprint Return To Neutral	13
3XTAP732201	Plug - Open Centre (Standard) DSDM143 Only	AET
XGIU536692	Plug - High Pressure Carry Over SDM143 Only	AE
5TEL108220	Cable Functions Available	TQ



VALVES

Front End Loader Valve

- > For Load Sense Systems
- > Nominal Flow Rate - 80 l/min
- > Maximum Tank Pressure - 10 BAR
- > Maximum Working Pressure - 250 BAR



DLM 142

MODEL	DESCRIPTION	NO. SPOOLS	NOMINAL FLOW (l/min)	P&T (BSPP)	A&B (BSPP)
103230010	DLM142/2-AP/113SL/18MASLU3(G4-240)	2	80	3/4"	1/2"

ACCESSORIES

MODEL	DESCRIPTION	TYPE
5V13108040	Detent In Float & Sprint Return to Neutral	13
5TEL108220	Cable Functions Available	TQ



VALVES

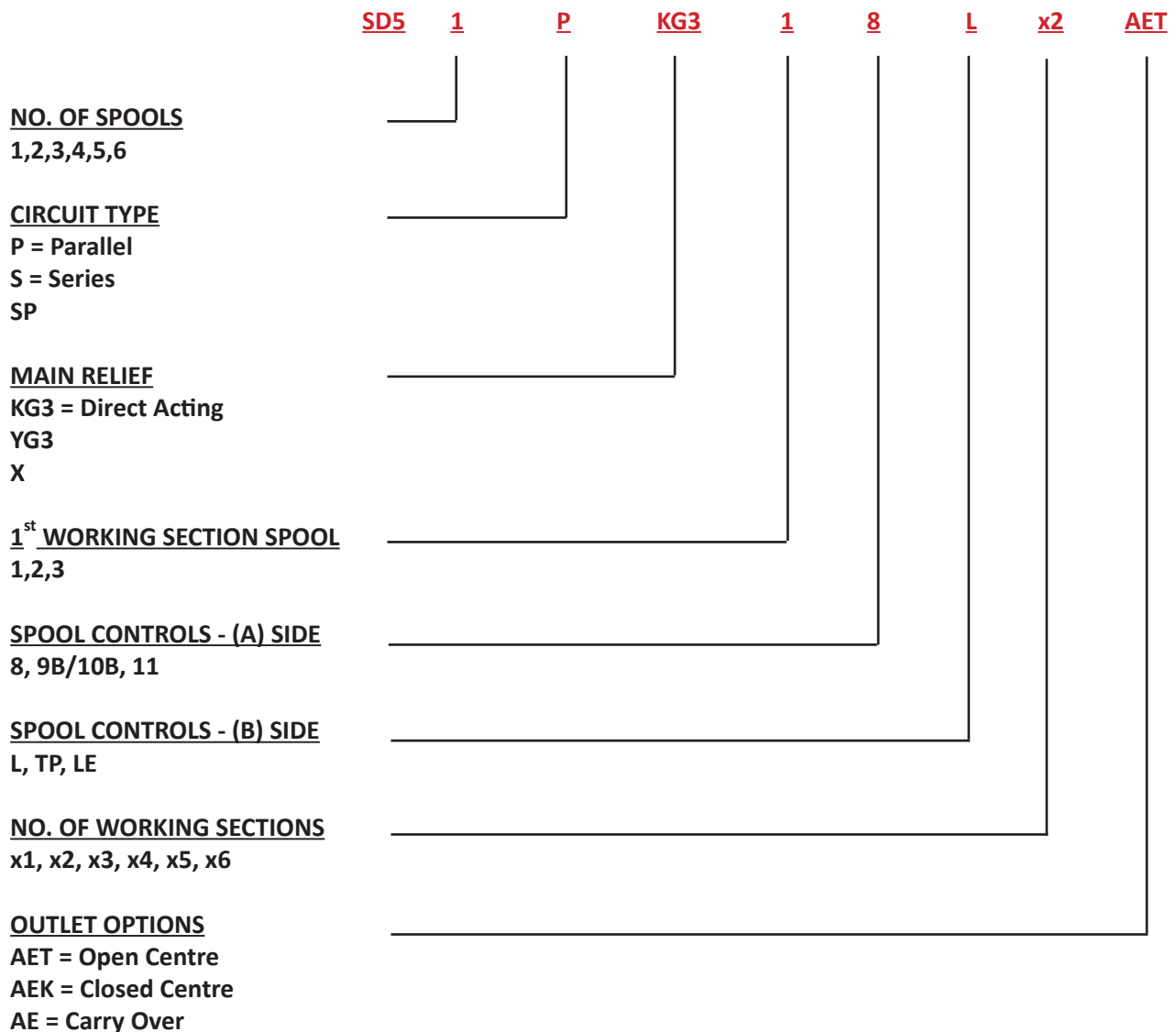
Monoblock Control Valve

- > All Ports 3/8" BSPP
- > Nominal Flow Rate - 45 l/min
- > Monoblock Valve with Adjustable Relief, Factory Set to 120 BAR
- > Maximum Back Pressure On Tank Port T - 25 BAR
- > See Accessories for Control Options
- > Handles Not Included



SD5

SD5 ORDERING CODE EXAMPLE



MODEL	DESCRIPTION	NOMINAL FLOW (l/min)	MAX PRESSURE BAR
102131001	1 Bank / Double Acting Cylinder (Open Centre)	45	315
102211001	2 Bank / Double Acting Cylinder (Open Centre)	45	315
102311001	3 Bank / Double Acting Cylinder (Open Centre)	45	315
102411001	4 Bank / Double Acting Cylinder (Open Centre)	45	315
102511001	5 Bank / Double Acting Cylinder (Open Centre)	45	315
102611001	6 Bank / Double Acting Cylinder (Open Centre)	45	315

- > Port (B) is Closest to Hand Lever - Pull Lever Works Port B
- > *Requires a Shorter Stroke (CR Kits)
- > **To Be Used with SV Remotes

SD5 ACCESSORIES

MODEL	DESCRIPTION	CODE
> MAIN RELIEF		
5KIT105123	Direct Acting Relief	KG3
XTAP623282	Blanking Plug	SV
> STANDARD SPOOLS		
3CU1210130	D/A, 3 pos, A&B Blocked, open centre (Cylinder Spool)	1
3CU1210200	Same as 1, Metering Type	1CS
3CU1221130	D/A, 3 pos, A to T in Neutral, B Blocked	1A
3CU1222130	D/A, 3 pos, A Blocked, B to T in Neutral	1B
3CU1225130	D/A, 3 pos, A & B to T, Open Centre (Motor Spool)	2
3CU1231130	S/A, on A, 3 pos, Open Centre (Port A blocked in Neutral) B Plugged	3
3CU1235120*	S/A, on B, 3 pos, Open Centre (Port B blocked in Neutral) A Plugged	4
> (A) SIDE CONTROLS - MANUAL		
5V07405000	Friction Detent	7FT
5V08105000	Spring Return to Neutral	8
5V08105022	(Kit 8CR) Spring Return to Neutral	8CR
5V08105660	Micro Switch both ways with Spring Return to Neutral (NO)	8MG3
5V09202010	One Position Detent A, Spring Return to Neutral (Push to Detent)	9BZ
5V10202010	One Position Detent B, Spring Return to Neutral (Pull to Detent)	10BZ
5V11105000	Three Position Detent (A, B & Neutral)	11
5V11105022	(Kit 11CR) Three Position Detent (A, B & Neutral)	11CR
5V12105000	Two Position Detent (A & B)	12

> SEE PAGE OVER FOR SD5 ACCESSORIES CONTINUED....

- > Port (B) is Closest to Hand Lever - Pull Lever Works Port B
- > *Requires a Shorter Stroke (CR Kits)
- > **To Be Used with SV Remotes

SD5 ACCESSORIES CONT.

MODEL	DESCRIPTION	CODE
-------	-------------	------

> (A) SIDE CONTROLS - ELECTRIC

5CAN08025	Kit - Solenoid Direct Control with Spring Return to Neutral	8ES3
3CU1210011	D/A, 3 pos, A & B Blocked, Open Centre (Cylinder Spool)	1(ES)
3CU1225011	D/A, 3 pos, A & B to T, Open Centre (Motor Spool)	2(ES)
4SOL412012	Nominal Voltage 12V DC Coil	12V DC
4SOL412024	Nominal Voltage 24V DC Coil	24V DC

> (A) SIDE CONTROLS - PNEUMATIC

5V08105701	Pneumatic ON-OFF (Pilot Air Pressure 5-10 Bar)	8P
-------------------	--	-----------

> (A) SIDE CONTROLS - HYDRAULIC

5V08105800	Hydraulic Proportional Control (with Manual Over ride)	8IZ
-------------------	--	------------

> (B) SIDE CONTROLS

5LEV105000	Lever Box (Handle not Included)	L
5LEV105102	Lever Box with Stroke Limiters	LFG
5CLO205100	Mechanical Dual Axis Joystick (For two Adjacent Sections)	LCB
3SOF136240	Lever Box Rubber Bellow	RB

> (B) SIDE CONTROLS - OUTLET

3XGIU522460	High Pressure Carry Over Joint (Power Beyond)	AE
XTAP623170	Open Centre Plug	AET
3XTAP522282	Closed Centre Plug	AEK





VALVES

Monoblock Control Valve



- > Ports P, A&B ½" BSPP
- > Nominal Flow Rate - 70 l/min
- > Tank Ports ¾" BSPP
- > Monoblock Valve with Adjustable Relief, Factory Set to 120 BAR
- > Maximum Back Pressure On Tank Port T - 25 BAR
- > See Accessories for Control Options
- > Handles Not Included

SD11

SD11 ORDERING CODE EXAMPLE

SD11 **1** **P** **KG3** **1** **8** **L** **x2** **AET**

NO. OF SPOOLS

1,2,3,4,5,6

CIRCUIT TYPE

P = Parallel
S = Series
SP

MAIN RELIEF

KG3 = Direct Acting
YG3
X

1st WORKING SECTION SPOOL

1,2,3

SPOOL CONTROLS - (A) SIDE

8, 9B/10B, 11

SPOOL CONTROLS - (B) SIDE

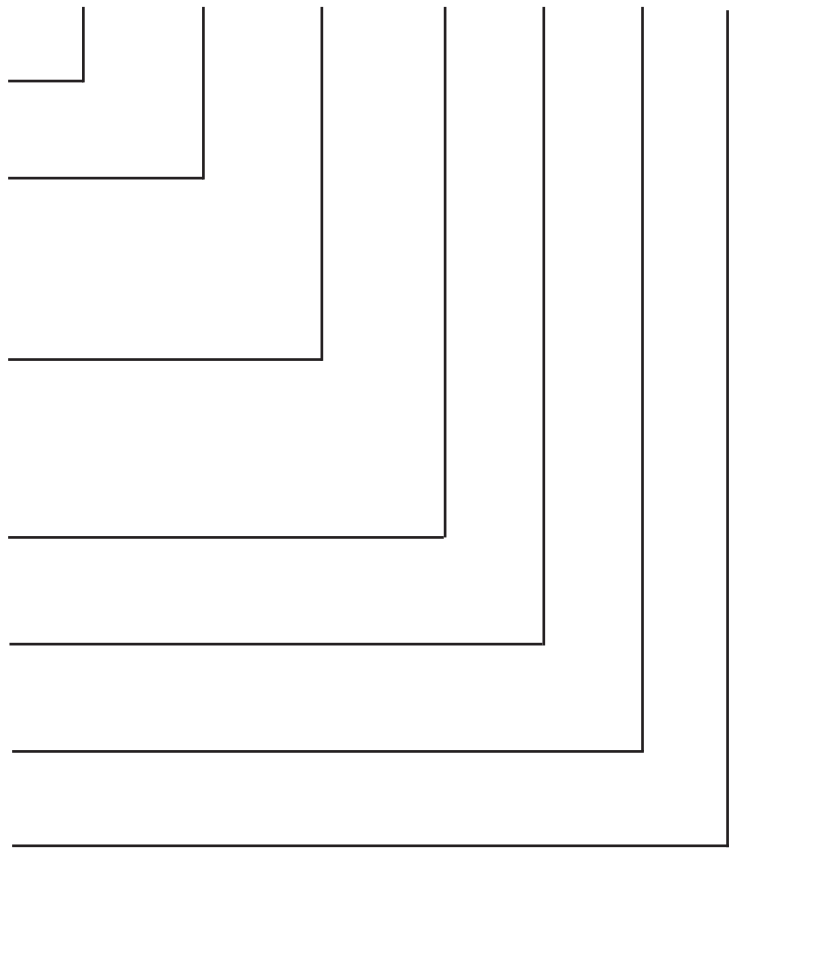
L, TP, LE

FOLLOWING WORK SECTIONS

x1, x2, x3, x4, x5, x6

OUTLET OPTIONS

AET = Open Centre
AEK = Closed Centre
AE = Carry Over



MODEL	DESCRIPTION	NOMINAL FLOW (l/min)	MAX PRESSURE BAR
104161020	1 Bank / Double Acting Cylinder (Open Centre)	70	315
104211001	2 Bank / Double Acting Cylinder (Open Centre)	70	315
104311001	3 Bank / Double Acting Cylinder (Open Centre)	70	315
104411001	4 Bank / Double Acting Cylinder (Open Centre)	70	315
104511001	5 Bank / Double Acting Cylinder (Open Centre)	70	315
104611001	6 Bank / Double Acting Cylinder (Open Centre)	70	315

> Port (B) is Closest to Hand Lever - Pull Lever works Port B

SD11 ACCESSORIES

MODEL	DESCRIPTION	CODE
> MAIN RELIEF		
5KIT110113	Direct Acting Relief (63 - 200 Bar)	KG3
3XCAR110213	Direct Acting Ground Poppet Relief (125 - 250 Bar)	YG3
XTAP526340	Blanking Plug	SV
> STANDARD SPOOLS		
3CU1410130	D/A, 3 pos, A & B Blocked, Open Centre (Cylinder Spool)	1
3CU1421130	D/A, 3 pos, A to T in Neutral, B Blocked	1A
3CU1422130	D/A, 3 pos, A Blocked, B to T in Neutral	1B
3CU1425130	D/A, 3 pos, A & B to T, Open Centre (Motor Spool)	2
3CU1431130	S/A, on A, 3 pos, Open Centre, (Port A Blocked in Neutral) B Plugged	3
3CU1435130	S/A, on B, 3 pos, Open Centre, (Port B Blocked in Neutral) A Plugged	4
> (A) SIDE CONTROLS - MANUAL		
5V07310000	Friction Detent	7FC
5V08110000	Spring Return to Neutral	8
5V09110000	One Position Detent A, Spring Return to Neutral (Push to Detent)	9B
5V09110000	One Position Detent B, Spring Return to Neutral (Pull to Detent)	10B
5V11110000	Three Position Detent (A, B & Neutral)	11
5V12110000	Two Position Detent (A & B)	12
> (A) SIDE CONTROLS - PNEUMATIC		
5V08110701	Pneumatic ON - OFF (Pilot Air Pressure 5 - 10 Bar)	8P
5V08111706	Pneumatic Proportional	8PG
> (B) SIDE CONTROLS		
5LEV110000	Lever Box (Handle not Included)	L
5LEV110700	Lever Box with Stroke Limiters	LFG
3SOF139350	Lever Box Rubber Bellow	RB
> (B) SIDE CONTROLS - OUTLET		
XGIU532470	High Pressure Carry Over Joint (Power Beyond)	AE
3XTAP732201	Open Centre Plug	AET
3XTAP532450	Closed Centre Plug	AEK

VALVES

Monoblock Control Valve

- > All Ports 3/4" BSPP
- > Nominal Flow Rate - 120 l/min
- > Monoblock Valve with Adjustable Relief, Factory Set to 120 BAR
- > Maximum Back Pressure On Tank Port T - 25 BAR
- > No Carry Over Option
- > See Accessories for Control Options
- > Handles Not Included



SD14

SD14 ORDERING CODE EXAMPLE

	<u>SD14</u>	<u>1</u>	<u>P</u>	<u>KG3</u>	<u>1</u>	<u>8</u>	<u>L</u>	<u>x2</u>	<u>AET</u>
<u>NO. OF SPOOLS</u> 1									
<u>CIRCUIT TYPE</u> P = Parallel									
<u>MAIN RELIEF</u> KG3 = Direct Acting									
<u>1st WORKING SECTION SPOOL</u> 1,2,4									
<u>SPOOL CONTROLS - (A) SIDE</u> 8, 11, 8									
<u>SPOOL CONTROLS - (B) SIDE</u> L, TP									
<u>FOLLOWING WORK SECTIONS</u> x1									
<u>OUTLET OPTIONS</u> AET = Open Centre AEK = Closed Centre									

SD14

MODEL	DESCRIPTION	NOMINAL FLOW (l/min)	MAX PRESSURE BAR
105111001	1 Bank / Double Acting Cylinder (Open Centre)	120	250
105111012	2 Bank / Double Acting Cylinder (Open Centre)	120	250
105111113	3 Bank / Double Acting Cylinder (Open Centre)	120	250

> Port (B) is Closest to Hand Lever - Pull Lever works Port B

SD14 ACCESSORIES

MODEL	DESCRIPTION	CODE
> STANDARD SPOOLS		
3CU1510140	D/A, 3 pos, A & B Blocked, Open Centre with Positive Overlap	1CP
3CU1525600	D/A, 3 POS, A & B to T, Open Centre (Motor Spool)	2
3CU1531140	S/A, on A, 3 pos, Open Centre (Port A Blocked in Neutral) B Plugged	3
3CU1535140	S/A, on B, 3 pos, Open Centre (Port B Blocked in Neutral) A Plugged	4
3CU1550100	D/A, A & B Closed, Closed Centre	6
3CU1555100	D/A, A & B to T, Closed Centre	7
> (A) SIDE CONTROLS - SPOOLS		
5V08110000	Spring Return to Neutral	8
5V09110000	One Position Detent A, Spring Return to Neutral (Push to Detent)	9B/10B
5V11110000	Three Position Detent (A, B & Neutral)	11
5V12110000	Two Position Detent (A & B)	12
> (B) SIDE CONTROLS		
5LEV110000	Lever Box (Handle not Included)	L
170012020	M10 X 200 Lever	AL01



VALVES

Monoblock Control Valve



- > Ports P, A&B ¾" BSPP
- > Nominal Flow Rate - 160 l/min
- > Tank Ports 1" BSPP
- > Monoblock Valve with Adjustable Relief, Factory Set to 120 BAR
- > Maximum Back Pressure On Tank Port T - 25 BAR
- > See Accessories for Control Options
- > Handles Not Included

SD18

SD18 ORDERING CODE EXAMPLE

	<u>SD18</u>	<u>1</u>	<u>P</u>	<u>KG3</u>	<u>1</u>	<u>8</u>	<u>L</u>	<u>x2</u>	<u>AET</u>
<u>NO. OF SPOOLS</u> 1,2,3,4									
<u>CIRCUIT TYPE</u> P = Parallel S = Series SP									
<u>MAIN RELIEF</u> KG3 = Direct Acting YG3 X									
<u>1st WORKING SECTION SPOOL</u> 1,2,3									
<u>SPOOL CONTROLS - (A) SIDE</u> 8, 9B/10B, 11									
<u>SPOOL CONTROLS - (B) SIDE</u> L, TP, LE									
<u>FOLLOWING WORK SECTIONS</u> x1, x2, x3, x4									
<u>OUTLET OPTIONS</u> AET = Open Centre AEK = Closed Centre AE = Carry Over									

MODEL	DESCRIPTION	NOMINAL FLOW (l/min)	MAX PRESSURE BAR
106111001	1 Bank / Double Acting Cylinder (Open Centre)	160	250
106211001	2 Bank / Double Acting Cylinder (Open Centre)	160	250
106311001	3 Bank / Double Acting Cylinder (Open Centre)	160	250
106411001	4 Bank / Double Acting Cylinder (Open Centre)	160	250

SD18 ACCESSORIES

MODEL	DESCRIPTION	CODE
> MAIN RELIEF		
5KIT120113	Direct Acting Relief	KG3
3XCAR120213	Direct Acting Ground Poppet Relief	YG3
X007211120	Pilot Operated Relief	XG
3XTAP535410	Blanking Plug	SV
> STANDARD SPOOLS		
3CU1610130	D/A, 3 pos, A & B Blocked, Open Centre, (Cylinder Spool)	1
3CU1625130	D/A, 3 pos, A & B to T, Open Centre (Motor Spool)	2
3CU1631130	S/A, on A, 3 pos, Open Centre, (Port A Blocked in Neutral) B Plugged	3
3CU1635130	S/A, on B, 3 pos, Open Centre, (Port B Blocked in Neutral) A Plugged	4
> (A) SIDE CONTROLS - MANUAL		
5V07320000	Friction Detent	7FT
5V08120000	Spring Return to Neutral	8
5V09120000	One Position Detent A, Spring Return to Netral (Push to Detent)	9B
5V09120000	One Position Detent B, Spring Return to Netral (Pull to Detent)	10B
5V11120000	Three Position Detent (A, B & Neutral)	11
5V12120000	Two Position Detent (A & B)	12
> (A) SIDE CONTROLS - PNEUMATIC		
5V08120701	Pneumatic ON - OFF (Pilot Air Pressure 5 - 10 Bar)	8P
5V08120709	Pneumatic Proportional	8PZ
> (B) SIDE CONTROLS		
5LEV120000	Lever Box (Handle not Included)	L
3SOF151370	Lever Box Rubber Bellow	RB
> (B) SIDE CONTROLS - OUTLET		
3XGIU541811	High Pressure Carry Over Joint (Power Beyond)	AE
3XTAP640250	Open Centre Plug	AET
3XTAP540560	Closed Centre Plug	AEK



VALVES

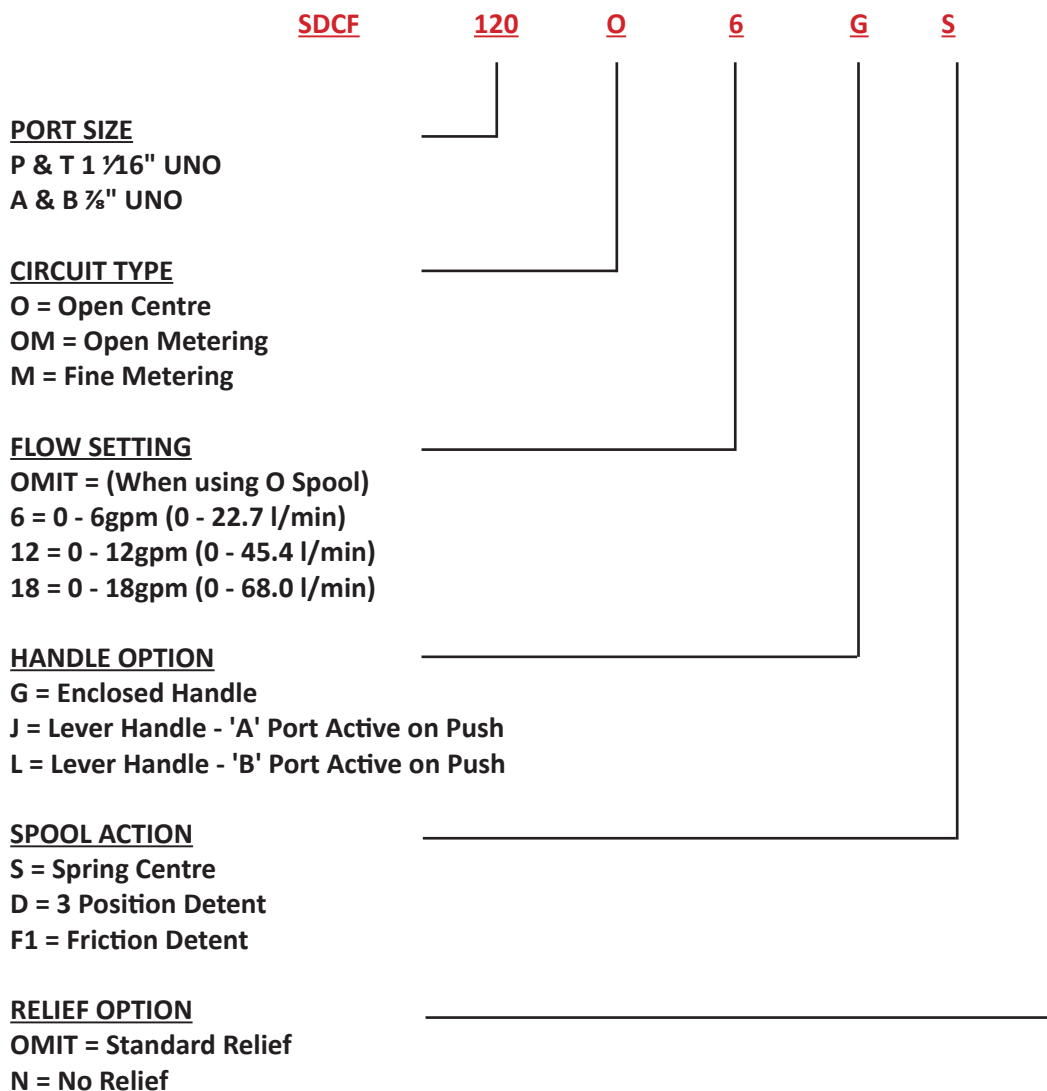
Monoblock Control Valve

- > Ports P & T 1 1/16" UNO
- > Ports A & B 7/8" UNO
- > Flow 0 - 68 l/min
- > Maximum Pressure - 207 Bar
- > Monoblock Valve with Adjustable Pilot Operated Relief
- > In-Built Full Range Pressure Compensated Bypass Type Flow Control
- > See Accessories for Control Options



SDCF 120

SDCF 120 ORDERING CODE EXAMPLE



ACCESSORIES

MODEL

DESCRIPTION

> SPOOL ACTION

SDC-D 3 Position Detent

SDC-F1 Friction Detent

SDC-S Spring Centering Kit

> HANDLE KIT

SDC-HG G Style Handle Kit

SDC-HJ J Style Handle Kit

SDC-HL L Style Handle Kit

> SPARE PARTS

SDCF-K Seal Kit

SDCF-CART Pilot Operated Relief Valve



VALVES

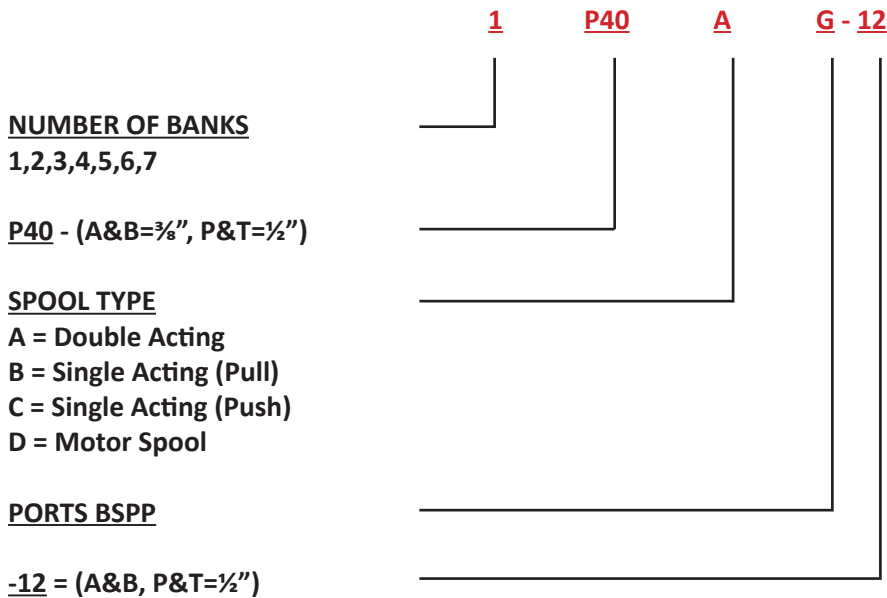
Monoblock Control Valve

- > Ports P & T ½" BSPP
- > Ports A & B ⅜" BSPP
- > Nominal Flow Rate 45 l/min
- > Tank Port Pressure 50 Bar Max
- > See Accessories for Control Options
- > 1 - 7 Banks Available

Badestnost
hydraulic components

P40

P40 ORDERING CODE EXAMPLE



P40

MODEL	DESCRIPTION	NOMINAL FLOW (l/min)	MAX PRESSURE BAR
1P40	1 Bank c/w Relief	45	250
2P40	2 Bank c/w Relief	45	250
3P40	3 Bank c/w Relief	45	250
4P40	4 Bank c/w Relief	45	250
5P40	5 Bank c/w Relief	45	250
6P40	6 Bank c/w Relief	45	250
7P40	7 Bank c/w Relief	45	250

ACCESSORIES

MODEL**DESCRIPTION**

4093146	Power Beyond Sleeve ½" BSPP
4093160	Detent Kit 3 Position - Code 8
4093162	Spring Centre Kit - Code 1
4093172	Spring Centre Pull A - Detent Push B - Code 2
4093173	Detent Kit Pull A - Spring Centre Push B - Code 3
4093213	Lever Assembly (includes Lever)
4093131	Lever - M8 Thread
4093120	Main Relief
4093702	Hydraulic Control Kit
4103491	Pneumatic Control Kit
1000043	Spool Type A Double Acting
1000059	Spool Type B Single Acting
1000044	Spool Type C Single Acting
1000045	Spool Type D Motor



VALVES

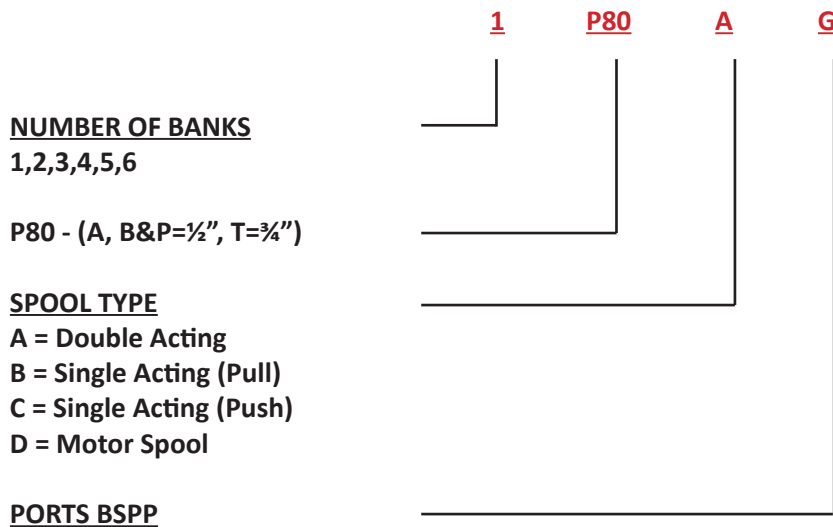
Monoblock Control Valve

Badestnost
hydraulic components

- > Ports P, A & B ½" BSPP
- > Ports T ¾" BSPP
- > Nominal Flow Rate 80 l/min
- > Tank port pressure 50 Bar Max
- > See Accessories for Control Options
- > 1 - 6 Banks Available
- > Series Valves Available

P80

P80 ORDERING CODE EXAMPLE



P80

MODEL	DESCRIPTION	NOMINAL FLOW (l/min)	MAX PRESSURE BAR
1P80	1 Bank c/w Relief	80	250
2P80	2 Bank c/w Relief	80	250
3P80	3 Bank c/w Relief	80	250
4P80	4 Bank c/w Relief	80	250
5P80	5 Bank c/w Relief	80	250
6P80	6 Bank c/w Relief	80	250

ACCESSORIES

MODEL**DESCRIPTION**

4104633	Power Beyond Sleeve ½" BSPP
4093057	Power Beyond Sleeve ¾" BSPP
4093156	Detent Kit 3 Position - Code 8
4093153	Spring Centre Pull A - Detent Push B - Code 2
4093154	Detent Kit Pull A - Spring Centre Push B - Code 3
4093150	Spring Centre Kit - Code 1
4093132	Lever Assembly (includes lever)
4093048	Lever - M10 Thread
4093120	Main Relief
4103492	Pneumatic Control Kit
4093443	Joystick Direct Mount
1000853	Spool Type A Double Acting
1000854	Spool Type B Single Acting
1000855	Spool Type C Single Acting
1000856	Spool Type D Motor



VALVES

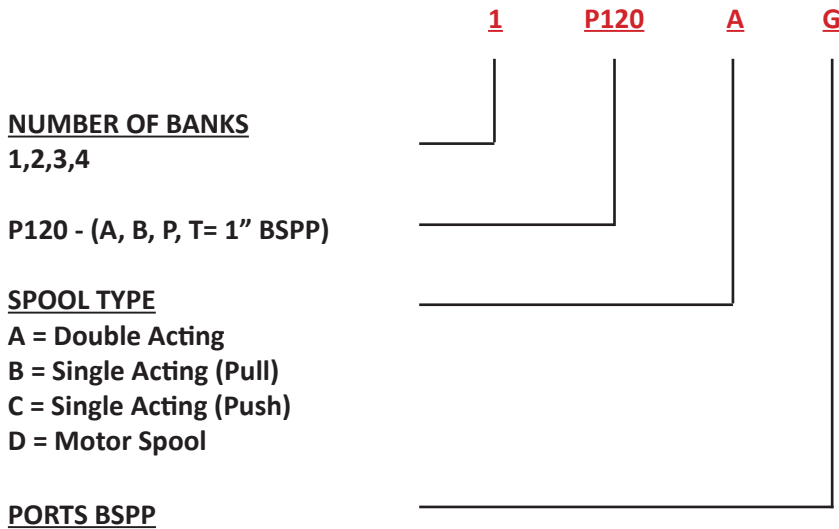
Monoblock Control Valve

- > Ports - All 1" BSPP
- > Nominal Flow Rate 120 l/min
- > Tank port pressure 50 Bar Max
- > See Accessories for Control Options
- > 1 - 4 Banks Available

Badestnost
hydraulic components

P120

P120 ORDERING CODE EXAMPLE



P120

MODEL	DESCRIPTION	NOMINAL FLOW (l/min)	MAX PRESSURE BAR
1P120	1 Bank c/w Relief	120	250
2P120	2 Bank c/w Relief	120	250
3P120	3 Bank c/w Relief	120	250
4P120	4 Bank c/w Relief	120	250

ACCESSORIES

MODEL DESCRIPTION

4093144	Power Beyond Sleeve ½" BSPP
4093158	Detent Kit 3 Position - Code 8
4100011	Spring Centre Pull A - Detent Push B - Code 2
4100012	Detent Pull A - Spring Centre Push B - Code 3
4099875	Spring Centre Kit - Code 1
4102378	Lever Assembly
4098498	Lever - M12 Thread
4098926	Main Relief
4098867	Pneumatic Control Kit
1002927	Spool Type A Double Acting
4093354	Spool Type B Single Acting
4100010	Spool Type C Single Acting
4092942	Spool Type D Motor



VALVES

Sectional Valve



- > Ports P, A & B 3/8" BSPP
- > Ports T & C 1/2" BSPP
- > Nominal Flow Rate 45 l/min
- > Maximum Working Pressure in Series 120 BAR
- > Maximum Working Pressure on 'T' Port 25 BAR
- > Main Relief Factory Set to 120 BAR (1740 psi)
- > **VALVE CODE EXAMPLE - SD6/3/AC (YG3-120) 18L/RC**

SD6 SERIES

FLOW (l/min)	PRESSURE BAR	P (BSPP)	T&C (BSPP)	A&B (BSPP)
45	315	3/8"	1/2"	3/8"

INLET SECTION

MODEL	DESCRIPTION	CODE
612201110	Direct Acting Relief	AC (YG3-120)
612202015	Flow Control with Relief	AC (YG3-120)SN

WORKING SECTION

MODEL	DESCRIPTION	CODE
612101001	Double Acting, 3 Position A & B Closed in Neutral	P-18L
612101301	Double Acting, 3 Position A & B Open to Tank in Neutral	P-28L
612101508	Single Acting on 'B' 3 Positions	P-48L
612111001	Series Double Acting, 3 Position A & B Closed in Neutral	S-18L

INTERMEDIATE SECTION

MODEL	DESCRIPTION	CODE
612410030	Intermediate Section - Compensated Flow Control	DFG
612421130	Intermediate Section with Relief	E11 (YG3)

OUTLET SECTION

MODEL	DESCRIPTION	CODE
612300110	Open Centre	RC
612300114	Upper Outlet with Side Carry Over	RE

> *Need to add Coils (Not Included)

> **To be used with SV remotes

SPOOL CONTROL (A) SIDE

MODEL	DESCRIPTION	CODE
5V07405000	With Friction and Neutral Position Sensor	7FT
5V08105000	With Spring Return in Neutral Position	8
5V08105701	Pneumatic ON - OFF (Pilot Air Pressure 5 - 10 Bar)	8P
5V09205000	With Detent in Position 1 and Spring Return in Neutral Position	9BZ
5V10202010	With Detent in Position 2 and Spring Return in Neutral Position	10BZ
5V11105000	3 Position Detent	11
5V12105000	2 Position Detent (1 & 2)	12
5V13106001	4 th Position Detent (To be used with Float Spool Type 5)	13
5CAN08027	Kit - Solenoid Direct Control with Spring Return to Neutral*	8ES3
5CAN08046	Kit - Solenoid Direct Control with Spring Return to Neutral* (Manual Lever Over ride)	8ES3LHC
5V08105800	Hydraulic Proportional Control** (with Manual Lever Over ride)	8IZ
4SOL412012	12V DC Coil	12V DC
4SOL412024	24V DC Coil	24V DC

> SEE PAGE OVER FOR SD6 SPECIFICATIONS CONTINUED....

SPOOL OPTIONS

MODEL	DESCRIPTION	CODE
3CU2210130	Double Acting with A & B Closed in Neutral	1
3CU2225130	Double Acting with A & B Connected to T in Neutral	2
3CU2231130	Single Acting on A, 3 Position, B Plugged	3
3CU2235130	Single Acting on B, 3 Position, A Plugged	4
3CU2210015	D/A, 3 pos, A & B Blocked, Open Centre (Cylinder Spool)	1ES3
3CU2225015	D/A, 3 pos, A & B to T, Open Centre (Motor Spool)	2ES3
3CU2210016	D/A, 3 pos, A & B Blocked, Open Centre (Cylinder Spool)	1(ES3LHC)
3CU2225016	D/A, 3 pos, A & B to T, Open Centre (Motor Spool)	2(ES3LHC)

SPOOL CONTROL (B) SIDE

MODEL	DESCRIPTION	CODE
5LEV105000	Lever Box	L
5CLO206100	Joystick Lever for 2 Section Operation	LCB
170011015	M8X150 Handlever	AL01

SERVICE VALVE OPTIONS

MODEL	DESCRIPTION	CODE
5Kit306112	Anti Shock and Anti Cavitation (50 - 125 Bar)	U(G2)
5Kit306113	Anti Shock and Anti Cavitation (100 - 250 Bar)	U(G3)
5Kit306114	Anti Shock and Anti Cavitation (50 - 125 Bar)	U(G4)
5Kit206113	Anti Shock Valve (160 - 315 Bar)	P(G3)
3XTAP722160	Plug - A & B Port	G 3/8"
4TAP413210	1/4" BSP Tapered DIN 906 Plug	-
XTAP524280	Cavity Plug	P3T

SD6 TIE ROD KITS

MODEL	SECTIONS
5TIR108117	1
5TIR108155	2
5TIR108193	3
5TIR108231	4
5TIR108269	5
5TIR108307	6
5TIR108345	7
5TIR108383	8
5TIR108421	9
5TIR108459	10



VALVES

Sectional Valve



- > Ports A & B ½" BSPP
- > Ports P, T & C ¾" BSPP
- > Nominal Flow Rate 90 l/min
- > Maximum Working Pressure on 'T' Port 25 BAR
- > Main Relief Factory Set to 120 BAR (1740 psi)
- > VALVE CODE EXAMPLE - SDS150/3/AC (YG-120) 18L/RC

SDS150 SERIES

FLOW (l/min)	PRESSURE BAR	P (BSPP)	T&C (BSPP)	A&B (BSPP)
90	315	¾"	¾"	½"

INLET SECTION

MODEL	DESCRIPTION	CODE
614261010	With Direct Acting Relief	YG3
614261001	With Main Relief (Piloted)	X(G)
614261003	No Relief (Cavity Plug)	SV

WORKING SECTION

MODEL	DESCRIPTION	CODE
614161001	Double Acting, 3 Position A & B Closed in Neutral	P-18L
614161301	Double Acting, 3 Position A & B Open to Tank in Neutral	P-28L
614161400	Single Acting on A Port	P-38L
614161500	Single Acting on B Port	P-48L

> SEE PAGE OVER FOR SDS150 SPECIFICATIONS CONTINUED....

OUTLET SECTION

MODEL	DESCRIPTION	CODE
614361001	Open Centre	RC
614361002	Upper Outlet with Side Carry Over	RE
614361004	Closed Centre	RK

> **To be used with SV remotes

SPOOL CONTROL (A) SIDE

MODEL	DESCRIPTION	CODE
5V07310000	With Friction and Neutral Position Sensor	7FT
5V08110000	With Spring Return in Neutral Position	8
5V08110701	Pneumatic ON - OFF (Pilot Air Pressure 5 - 10 Bar)	8P
5V08111706	Pneumatic Proportional	8PZ
5V09110000	One Position Detent (1 or 2) Spring Return to Neutral	9B/10B
5V11110000	3 Position Detent	11
5V12110000	2 Position Detent (1 & 2)	12
5V08110320	Electro-Hydraulic ON - OFF 12V DC* (Plus Adder)	8EI312V
5V08110321	Electro-Hydraulic ON - OFF 24V DC* (Plus Adder)	8EI324V
5KE1S00030	*Adder for Single Bank	KE1S0
5V08110800	Hydraulic Proportional Control ** (with Manual Lever Over ride)	8IZ

SPOOL OPTIONS

MODEL	DESCRIPTION	CODE
3CU2410120	Double Acting with A & B Closed in Neutral	1
3CU2425200	Double Acting with A & B Connected to T in Neutral	2
3CU2431180	Single Acting on A Port	3
3CU2435100	Single Acting on B Port	4

> SEE PAGE OVER FOR SDS150 SPECIFICATIONS CONTINUED...

SPOOL CONTROL (B) SIDE

MODEL	DESCRIPTION	CODE
5LEV110000	Lever Box	L
170012020	M10 x 200 Handle Lever	AL01
STEL110005	CG Cable Connection	TP

SERVICE VALVE OPTIONS

MODEL	DESCRIPTION	CODE
XTAP526340	Blanking Plug	SV
3XCAR110213	Direct Acting Poppet Relief	YG3
X006211120	Pilot Operated Relief	XG
5Kit210212	Anti Shock (40 - 80 Bar)	P(G2)
5Kit210213	Anti Shock (63 - 200 Bar)	P(G3)
5Kit210214	Anti Shock (160 - 315 Bar)	P(G4)
5Kit310112	Anti Shock and Anti Cavitation (63 - 125 Bar)	U(G2)
5Kit310113	Anti Shock and Anti Cavitation (100 - 250 Bar)	U(G3)
5Kit310114	Anti Shock and Anti Cavitation (200 - 315 Bar)	U(G4)
5Kit410100	Anti Cavitation	C
XTAP530330	Cavity Plug	P3T

SDS150 TIE ROD KITS

MODEL	SECTIONS
5TIR110149	1
5TIR110194	2
5TIR110239	3
5TIR110284	4
5TIR110329	5
5TIR110374	6
5TIR110419	7
5TIR110465	8



VALVES

Sectional Valve



- > Port Size P, A & B 3/4" BSPP
- > Port Size T & C 1" BSPP
- > Nominal Flow Rate 140 l/min
- > Maximum Working Pressure on 'T' Port 25 BAR
- > Main Relief Factory Set to 120 BAR (1740 psi)
- > VALVE CODE EXAMPLE - SDS180/3/AC (YG-120) 18L/RC

SDS180 SERIES

FLOW (l/min)	PRESSURE BAR	P (BSPP)	T&C (BSPP)	A&B (BSPP)
140	315	3/4"	1"	3/4"

INLET SECTION

MODEL	DESCRIPTION	CODE
618201003	With Direct Acting Relief	YG3
618201004	With Main Relief (Piloted)	X(G)
618201006	No Relief (Cavity Plug)	SV

WORKING SECTION

MODEL	DESCRIPTION	CODE
618101003	Double Acting, 3 Position A & B Closed in Neutral	P-18L
618101006	Double Acting, 3 Position A & B Open to Tank in Neutral	P-28L
618101017	Single Acting on A Port	P-38L
615101501	Single Acting on B Port	P-48L

OUTLET SECTION

MODEL	DESCRIPTION	CODE
618301003	Open Centre	RC
618301001	Upper Outlet with Side Carry Over	RE
618301004	Closed Centre	RK

> **To be used with SV remotes

SPOOL CONTROL (A) SIDE

MODEL	DESCRIPTION	CODE
5V07310000	With Friction and Neutral Position Sensor	7FT
5V08110000	With Spring Return in Neutral Position	8
5V08110701	Pneumatic ON - OFF (Pilot Air Pressure 5 - 10 Bar)	8P
5V08111706	Pneumatic Proportional	8PZ
5V09110000	One Position Detent (1 or 2) Spring Return to Neutral	9B/10B
5V11110000	3 Position Detent	11
5V12110000	2 Position Detent (1 & 2)	12
5V13116000	4 th Position Detent (To be used with Float Spool Type 5)	13
5V08110320	Electro-Hydraulic ON - OFF 12V DC* (Plus Adder)	8EI312V
5V08110321	Electro-Hydraulic ON - OFF 24V DC* (Plus Adder)	8EI324V
5KE1S00030	*Adder for Single Bank	KE1S0
5V08110800	Hydraulic Proportional Control ** (with Manual Lever Over ride)	8IZ

SPOOL OPTIONS

MODEL	DESCRIPTION	CODE
3CU2510100	Double Acting with A & B Closed in Neutral	1
3CU2525100	Double Acting with A & B Connected to T in Neutral	2
3CU2531100	Single Acting on A Port	3
3CU2535100	Single Acting on B Port	4
5V13116000	Double Acting 4 Position A & B Blocked, Open Centre (Used with Kit 13)	5

> SEE PAGE OVER FOR SDS180 SPECIFICATIONS CONTINUED....

SPOOL CONTROL (B) SIDE

MODEL	DESCRIPTION	CODE
5LEV110000	Lever Box	L
170012020	M10 x 200 Hand Lever	AL01

SERVICE VALVE OPTIONS

MODEL	DESCRIPTION	CODE
XTAP535410	Blanking Plug	SV
3XCAR120213	Direct Acting Poppet Relief	YG3
X007211120	Pilot Operated Relief	XG
XCAR216116	Anti Shock (63 - 200 Bar)	P(G3)
XCAR216117	Anti Shock (160 - 315 Bar)	P(G4)
X011411100	Anti Shock and Anti Cavitation (100 - 250 Bar)	U(G3)
X011411101	Anti Shock and Anti Cavitation (200 - 315 Bar)	U(G4)
3XCAR416100	Anti Cavitation	C
XTAP530362	Cavity Plug	P3T

SDS180 TIE ROD KITS

MODEL	SECTIONS
5TIR110170	1
5TIR110248	2
5TIR110266	3
5TIR110316	4
5TIR110368	5
5TIR110410	6
5TIR110458	7
5TIR110506	8



VALVES

Sectional Valve

- > Port Size P, A & B 1" BSPP
- > Port Size T & C 1 1/4" BSPP
- > Nominal Flow Rate 240 l/min
- > Maximum Working Pressure on 'T' Port 25 BAR
- > Main Relief Factory Set to 120 BAR (1740 psi)
- > VALVE CODE EXAMPLE - SD25/3/AC (YG-120) 18L/RC



SD25 SERIES

FLOW (l/min)	PRESSURE BAR	P (BSPP)	T&C (BSPP)	A&B (BSPP)
240	315	1"	1 1/4"	1"

INLET SECTION

MODEL	DESCRIPTION	CODE
61H201101	With Direct Acting Relief	YG3
61H201112	With Main Relief (Piloted)	X(G)
61H201109	No Relief (Cavity Plug)	SV

WORKING SECTION

MODEL	DESCRIPTION	CODE
61H101001	Double Acting, 3 Position A & B Closed in Neutral	P-18L
617101301	Double Acting, 3 Position A & B Open to Tank in Neutral	P-28L

> SEE PAGE OVER FOR SD25 SPECIFICATIONS CONTINUED....

OUTLET SECTION

MODEL	DESCRIPTION	CODE
617300110	Open Centre	RC
617300111	Upper Outlet with Side Carry Over	RE
617300112	Closed Centre	RK

SPOOL CONTROL (A) SIDE

MODEL	DESCRIPTION	CODE
5V07320000	With Friction and Neutral Position Sensor	7FT
5V08120000	With Spring Return in Neutral Position	8
5V08120701	Pneumatic ON - OFF (Pilot Air Pressure 5 - 10 Bar)	8P
5V08120709	Pneumatic Proportional	8PZ
5V09120000	One Position Detent (1 or 2) Spring Return to Neutral	9B/10B
5V11120000	3 Position Detent	11
5V12120000	2 Position Detent (1 & 2)	12
5V13025000	4 th Position Detent (To be used with Float Spool Type 5)	13
5V08120350	Electro-Hydraulic ON - OFF 12V DC* (Plus Adder)	8E1312V
5V08120351	Electro-Hydraulic ON - OFF 24V DC* (Plus Adder)	8E1324V
5KE1S00030	*Adder for Single Bank	KE1S0

SPOOL OPTIONS

MODEL	DESCRIPTION	CODE
3CU2710100	Double Acting with A & B Closed in Neutral	1
3CU2725100	Double Acting with A & B Connected to T in Neutral	2
3CU2731100	Single Acting on A Port	3
3CU2735100	Single Acting on B Port	4
3CU2741100	Double Acting 4 Position A & B Blocked, Open Centre (Used with Kit 13)	5

> SEE PAGE OVER FOR SD25 SPECIFICATIONS CONTINUED....

SPOOL CONTROL (B) SIDE

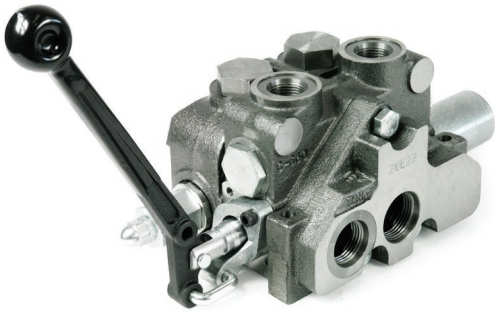
MODEL	DESCRIPTION	CODE
SLEV120000	Lever Box	L
170013020	M12 x 200 Hand Lever	AL01
STEL120005	CG Cable Connection	TP

SERVICE VALVE OPTIONS

MODEL	DESCRIPTION	CODE
XTAP536541	Blanking Plug	SV
XCAR125213	Direct Acting Poppet Relief	YG3
X008211120	Pilot Operated Relief	XG
XCAR216115	Anti Shock (40 - 80 Bar)	P(G2)
XCAR216116	Anti Shock (63 - 200 Bar)	P(G3)
XCAR216117	Anti Shock (160 - 315 Bar)	P(G4)
X011411099	Anti Shock and Anti Cavitation (63 - 125 Bar)	U(G2)
X011411100	Anti Shock and Anti Cavitation (100 - 250 Bar)	U(G3)
X011411101	Anti Shock and Anti Cavitation (200 - 315 Bar)	U(G4)
3XCAR416100	Anti Cavitation	C
XTAP530362	Cavity Plug	P3T

SD25 TIE ROD KITS

MODEL	SECTIONS
5TIR112234	1
5TIR112296	2
5TIR112358	3
5TIR112420	4
5TIR112482	5
5TIR112544	6



VALVES

Sectional Valve

- > UNO Ports
- > 1 - 10 Sections
- > Same as Gresen V20



V20

FLOW (l/min)	PRESSURE BAR	P (UNO)	T&C (UNO)	A&B (UNO)
75	241	1 1/16"	1 1/16"	7/8"

INLET SECTION

MODEL	DESCRIPTION
20I2J	Open Centre with Adjustable Relief 151-200 Bar

WORKING SECTION

MODEL	DESCRIPTION	PORT RELIEFS
20P1AA1AA	Single Acting - Pull to Lift Spring Centre	Plugged
20P1BA1AA	Double Acting Cylinder Spring Centre	Plugged
20P1CA1AA	Double Acting Motor Spring Centre	Plugged
20P1DD1AA	Double Acting Cylinder Spring Centre - Float	Plugged

OUTLET SECTION

MODEL

DESCRIPTION

[20E22](#)

Open Centre with Power Beyond Port Option

TIE ROD KITS

MODEL

SECTIONS

[660402001](#)

1

[660402002](#)

2

[660402003](#)

3

[660402004](#)

4

[660402005](#)

5

SPARE PARTS

MODEL

DESCRIPTION

[660190003](#)

Spring Centre Kit

[660190004](#)

3 Position Detent Kit

[660190001](#)

Complete Vert. Handle Kit

[660190002](#)

Complete Standard Handle Kit

[660290004](#)

Power Beyond Sleeve 7/8" UNO

[660585002](#)

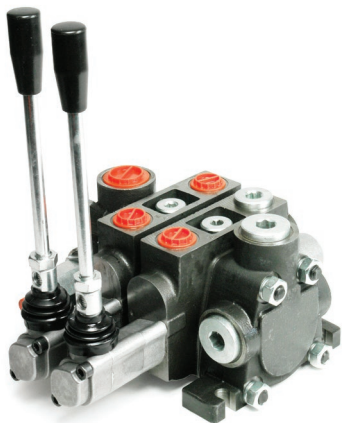
Inlet Section Seal Kit

[660585003](#)

Outlet Section Seal Kit

[660585004](#)

Work Section Seal Kit



VALVES

Sectional Valve

Badestnost
hydraulic components

- > Nominal Flow Rate 70 l/min
- > Max Pressure 250 BAR
- > Ideal for Post Driver Applications
- > Custom Built to Order

ZC70

ZC70 ORDERING CODE EXAMPLE

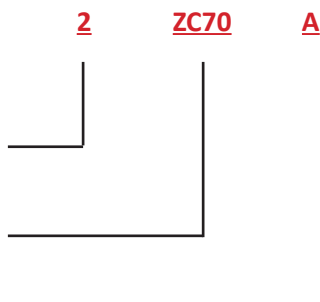
NUMBER OF BANKS

2,3,4,5

ZC70 (PA&B = ½", T = ¾")

SPOOL TYPE

- A = Double Acting
- B = Single Acting (Pull)
- D = Motor Spool



ZC70

MODEL

DESCRIPTION

2PC70N1PA1PB1T1GKZ1AY180

1xD/A 1xS/A - Port Relief S/A 180 BAR

3PC70N1PA1PA1PB1T1GKZ1AY180

2xD/A 1xS/A - Port Relief S/A 180 BAR

4PC70N1PA1PA1PA1PB1T1GKZ1

3xD/A 1xS/A - Port Relief S/A 180 BAR

5PC70N1PA1PA1PA1PA1PB1T1GKZ1

4xD/A 1xS/A - Port Relief S/A 180 BAR



VALVES

Sectional Valve Load Sense Valve

- > Maximum Working Pressure on 'T' Port 25 BAR
- > Main Relief Factory Set to 120 BAR (1740 psi)
- > 1 - 10 Sections



> VALVE CODE EXAMPLE - DLS7/2/AM(G3-120)/6V8MCLFG/6V8MCLFG/RF

DLS7 SERIES

FLOW (l/min)	PRESSURE BAR	P&T (BSPP)	LS (BSPP)	A&B (BSPP)
75	315	½"	¼"	⅜"

INLET SECTION

MODEL	DESCRIPTION	CODE
61B331000	L.S - Flow Control - Relief Valve	AM(G3-125)
61B333000	Open Centre - No Relief or Flow Control	AP(SV)
61B332000	L.S Relief - No Flow Control	AN(G3-125)

WORKING SECTION

MODEL	DESCRIPTION	CODE
61B131201	Double Acting Cylinder - Spring Centred - Manual Lever	6V8MCLFG
61B131221	Double Acting Cylinder - Hydraulic Pilot Control with Stroke Adjuster	6V8IMF3

> SEE PAGE OVER FOR DLS7 SPECIFICATIONS CONTINUED....

OUTLET SECTION

MODEL	DESCRIPTION	CODE
61B431000	Standard	RF
61B433001	L.S Signal Carryover	RH

SPOOL CONTROL (A) SIDE

MODEL	DESCRIPTION	CODE
5V07405000	Friction Detent	7FT
5V08205000	Spring Centred	8MC
5V08205200	Spring Centre c/w M8 Thread for Dual Control	8DMC
5V08105709	Proportional Pneumatic Kit	8PZ
5V08106800	Proportional Hydraulic Pilot	8IZ

SPOOL OPTIONS

MODEL	DESCRIPTION	FLOW (l/min)	CODE
3CU3110010	Double Acting Cylinder	10	6D
3CU3110020	Double Acting Cylinder	20	6V
3CU3110030	Double Acting Cylinder	30	6T
3CU3110040	Double Acting Cylinder	40	6Q
3CU3110050	Double Acting Cylinder	50	6C
3CU3110060	Double Acting Cylinder	60	6S
3CU3125010	Double Acting Motor	10	7D
3CU3125020	Double Acting Motor	20	7V
3CU3125030	Double Acting Motor	30	7T
3CU3125040	Double Acting Motor	40	7Q
3CU3125050	Double Acting Motor	50	7C
3CU3125060	Double Acting Motor	60	7S

SPOOL CONTROL (B) SIDE

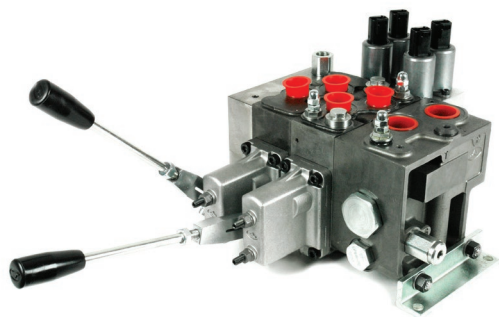
MODEL	DESCRIPTION	CODE
5LEV107800	Alloy Lever Box	LFG
5COP107000	No Lever Box - Dust Proof Plate	SLP
5COP205030	No Lever Box - End Cap	SLCZ
5TEL107110	Cable Connection - CD Cables	TQ
5CLO202000	Joystick Lever - 2 Section Operation	LCB

PORT RELIEF OPTIONS

MODEL	DESCRIPTION	PRESSURE BAR	CODE
5KIT206112	Anti-shock	50 - 125	P(G2)
5KIT206113	Anti-shock	100 - 200	P(G3)
5KIT206114	Anti-shock	160 - 315	P(G4)
5KIT306112	Anti-shock & Anti-Cavitation	50 - 125	U(G2)
5KIT306113	Anti-shock & Anti-Cavitation	100 - 250	U(G3)
5KIT306114	Anti-shock & Anti-Cavitation	160 - 315	U(G4)

DLS7 TIE ROD KITS

MODEL	SECTIONS
5TIR108126	1
5TIR108166	2
5TIR108204	3
5TIR108242	4
5TIR108280	5
5TIR108318	6
5TIR108356	7
5TIR108394	8
5TIR108432	9
5TIR108470	10



VALVES

Sectional Valve
Load Sense Valve



DPC 130 SERIES

INLET FLOW (l/min)	PRESSURE BAR	P&T (BSPP)	LS (BSPP)	A&B (BSPP)
150	315	3/4"	1/4"	1/2"

INLET SECTION

MODEL	DESCRIPTION	CODE
5FIA630301	With Pressure Reducing Valve - Open Centre	BR11
5FIA630300	With Pressure Reducing Valve - Closed Centre	BR21
5FIA630303	Without Pressure Reducing Valve - Open Centre	BN11
5FIA630302	Without Pressure Reducing Valve - Closed Centre	BN21

WORKING SECTION

MODEL	DESCRIPTION	CODE
5EL6301310	With Compensator	C10
5EL6301320	With Compensator and Port Relief Cavities	C20
5EL6301321	With Compensator and Port Relief Cavities and One L.S Valve Seat	C21
5EL6301322	With Compensator and Port Relief Cavities and Two L.S Valve Seat	C22
5EL6302310	Without Compensator	D10
5EL6302320	Without Compensator and Port Relief Cavities	D20

OUTLET SECTION

MODEL	DESCRIPTION	CODE
3FIA731000	Without Ports	RF
3FIA731310	With P & T Ports	RC
3FIA731320	With P & T Ports and L.S Ports	RD

SPOOL CONTROL OPTIONS (A&B) SIDE

MODEL	DESCRIPTION	CODE
5V07130000	Friction Detent	7FT
5V08130000	Spring Return to Neutral	8
5V08130780	Proportional E/H 12V DC	8EZ3
5V08130781	Proportional E/H 24V DC	8EZ3
5V08130800	Hydraulic Proportional Kit	8IM
5LEV130712	Lever Box	L
170011117	Handle M8 x 170mm	-

RELIEF OPTIONS

MODEL	DESCRIPTION	CODE
XCAR126215	L/S Relief (40 - 180 Bar)	S
XCAR126213	L/S Relief (180 - 350 Bar)	S
5Kit126210	Relief Blanking Plug	ST

UNLOADER OPTIONS

MODEL	DESCRIPTION	CODE
0EC08002033	(EC08M/10PB) With Push Button Emergency Override	ELP
XTAP225320	Unloader Cavity Plug	LT
4SLE00120012	12V DC Coil	12V DC
4SLE00120024	24V DC Coil	24V DC

> SEE PAGE OVER FOR DPC 130 SPECIFICATIONS CONTINUED....

END COVER - BODY KIT

MODEL	DESCRIPTION	CODE
3FIA731000	Without Ports	RF
3FIA731310	With P1 & T1 Ports	RC
3FIA731320	With P1, T1 and LS1 Ports	RD

END COVER - DRAIN OPTIONS

MODEL	DESCRIPTION	CODE
XTAP517460	Plug for Kit 7FT/8	1
XTAP217160	Plug for Kit 8IM	2
XCAR1196611	G ¼" Sleeve for Kit 8EZ3/8ZR3	3

END COVER - PORT OPTIONS

MODEL	DESCRIPTION	CODE
3XTAP732200	P & T Plugged	1
3XTAP732200	P or T Plugged	2 (3)

WORKING SECTION - SPOOLS

MODEL	DESCRIPTION	CODE
3CU4010010	D/A, 3 pos, A & B Closed in Neutral (Cylinder Spool) 10 l/min	1D
3CU4010025	D/A, 3 pos, A & B Closed in Neutral (Cylinder Spool) 25 l/min	1V
3CU4010040	D/A, 3 pos, A & B Closed in Neutral (Cylinder Spool) 40 l/min	1Q
3CU4010060	D/A, 3 pos, A & B Closed in Neutral (Cylinder Spool) 60 l/min	1S
3CU4010080	D/A, 3 pos, A & B Closed in Neutral (Cylinder Spool) 80 l/min	1N
3CU4024010	D/A, 3 pos, A & B Open in Neutral (Motor Spool) 10 l/min	2D
3CU4024025	D/A, 3 pos, A & B Open in Neutral (Motor Spool) 25 l/min	2V
3CU4024040	D/A, 3 pos, A & B Open in Neutral (Motor Spool) 40 l/min	2Q
3CU4024060	D/A, 3 pos, A & B Open in Neutral (Motor Spool) 60 l/min	2S
3CU4024080	D/A, 3 pos, A & B Open in Neutral (Motor Spool) 80 l/min	2N
3CU4031040	S/A on A, B Port Plugged 40 l/min	3Q
3CU4031060	S/A on A, B Port Plugged 60 l/min	3S
3CU4031080	S/A on A, B Port Plugged 80 l/min	3N

PORT RELIEF VALVES (PRESET)

MODEL	DESCRIPTION	CODE
5Kit330050	50 Bar	U050
5Kit330125	125 Bar	U125
5Kit330175	175 Bar	U175
5Kit330250	250 Bar	U250
XTAP522441	Cavity Plug	UT

WORKING SECTION LOAD SENSE RELIEF OPTIONS

MODEL	DESCRIPTION	CODE
XCAR126215	L/S Relief (40 - 180 Bar)	S
XCAR126213	L/S Relief (180 - 350 Bar)	S
5Kit126210	Relief Valve Blanking Plug	ST

> SEE PAGE OVER FOR DPC 130 SPECIFICATIONS CONTINUED....

DPC130 TIE ROD KITS

MODEL

SECTIONS

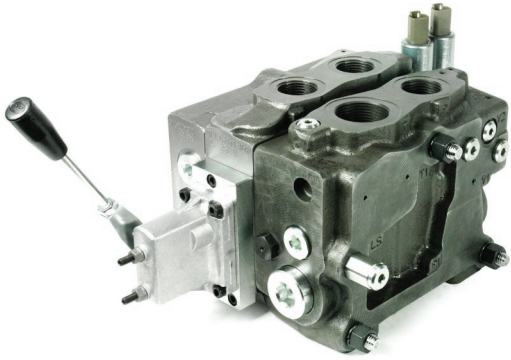
5TIR108185	1
5TIR108232	2
5TIR108281	3
5TIR108328	4
5TIR108376	5
5TIR108425	6
5TIR108472	7
5TIR108520	8

SEAL KITS

MODEL

DESCRIPTION

5GUA130	Face Seal Kit
5GE34110019	C10 Work Section



VALVES

Sectional Valve
Load Sense Valve



DPC 200 SERIES

INLET FLOW (l/min)	PRESSURE BAR	P (BSP)	T (BSP)	LS (BSP)	A&B (BSP)
260	350	1"	1 1/4"	1/2"	1"

INLET SECTION

MODEL	DESCRIPTION	CODE
5FIA620702	With Pressure Reducing Valve - Open Centre	BR1-1
5FIA620704	With Pressure Reducing Valve - Closed Centre	BR2-1

WORKING SECTION

MODEL	DESCRIPTION	CODE
5EL6201710	With Compensator - SAE	C10
5EL6201732	With Compensator and Relief Valve and One L.S Valve Seat	C32

OUTLET SECTION

MODEL	DESCRIPTION	CODE
3FIA720300	Without Ports	RF
3FIA720702	With P & T Ports and L.S Ports	RD

> SEE PAGE OVER FOR DPC 200 SPECIFICATIONS CONTINUED....

SPOOL CONTROL OPTIONS (A&B) SIDE

MODEL	DESCRIPTION	CODE
5V07200000	Friction Detent	7FT
5V08200000	Spring Return to Neutral	8
5V08200721	Proportional E/H 12V DC	8EZ3T
5V08200741	Proportional E/H 24V DC	8EZ3T
5V08200870	Hydraulic Proportional Kit	8IM
5LEV200701	Lever Box	L
170011117	Handle	-

RELIEF OPTIONS

MODEL	DESCRIPTION	CODE
XCAR126215	L/S Relief (40 - 180 Bar)	S
XCAR126213	L/S Relief (180 - 350 Bar)	S
5Kit126210	Relief Blanking Plug	ST

END COVER - BODY KIT

MODEL	DESCRIPTION	CODE
3FIA720300	Without Ports	RF
3FIA720702	With P1, T1 and LS1 Ports	RD

END COVER - DRAIN OPTIONS

MODEL	DESCRIPTION	CODE
XTAP517460	Plug for Kit 7FT/8	1
XTAP217160	Plug for Kit 8IM	2
XGIU519610	G ¼" Sleeve for Kit 8EZ3T	3

PORT RELIEF VALVES (PRESET)

MODEL	DESCRIPTION	CODE
5Kit340050L	50 Bar	U050
5Kit340100L	105 Bar	U100
5Kit340250L	250 Bar	U250
5Kit340350L	350 Bar	U350
5Kit409000	Anti-Cav Valve	C
XTAP528520	Cavity Plug	UT

WORKING SECTION LOAD SENSE RELIEF OPTIONS

MODEL	DESCRIPTION	CODE
XCAR126215	L/S Relief (40 - 180 Bar)	S
XCAR126213	L/S Relief (180 - 350 Bar)	S
5Kit126210	Relief Valve Blanking Plug	ST

TIE ROD KITS

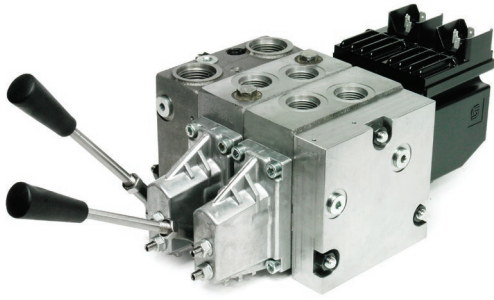
MODEL	DESCRIPTION
5TIR112215	1 Section
5TIR112268	2 Section
5TIR112321	3 Section
5TIR112374	4 Section
5TIR112427	5 Section
5TIR112480	6 Section
5TIR112533	7 Section
5TIR112586	8 Section

> SEE PAGE OVER FOR DPC 200 SPECIFICATIONS CONTINUED...

WORKING SECTION - SPOOLS

MODEL	DESCRIPTION	CODE
3CU4510051	D/A, 3 pos, A & B Closed in Neutral (Cylinder Spool) 50 l/min	101
3CU4510101	D/A, 3 pos, A & B Closed in Neutral (Cylinder Spool) 100 l/min	102
3CU4510151	D/A, 3 pos, A & B Closed in Neutral (Cylinder Spool) 150 l/min	103
3CU4510201	D/A, 3 pos, A & B Closed in Neutral (Cylinder Spool) 200 l/min	104
3CU4524050	D/A, 3 pos, A & B Open in Neutral (Motor Spool) 50 l/min	201
3CU4524100	D/A, 3 pos, A & B Open in Neutral (Motor Spool) 100 l/min	202
3CU4524150	D/A, 3 pos, A & B Open in Neutral (Motor Spool) 150 l/min	203
3CU4524200	D/A, 3 pos, A & B Open in Neutral (Motor Spool) 200 l/min	204
3CU4530050	S/A on A, B Port Plugged 50 l/min	301
3CU4530100	S/A on A, B Port Plugged 100 l/min	302
3CU4530150	S/A on A, B Port Plugged 150 l/min	303
3CU4530200	S/A on A, B Port Plugged 200 l/min	304





VALVES

Sectional Valve Load Sense Valve

> Custom Built to Order

PVG 32

INLET FLOW (l/min)	PRESSURE BAR	P (UNO)	T (UNO)	LS (UNO)	A&B (UNO)
140	350	7/8"	1 1/10"	9/16"	7/8"

> CIRCUIT TYPES:

Open Centre
Closed Centre
Load Sense

> CONTROL TYPES:

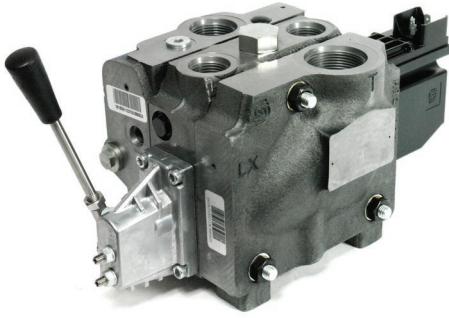
Manual Lever
Friction Detent
Hydraulic Pilot
Electronic ON / OFF
Electronic Proportional - Basic
- Fault Monitoring Active / Passive

> SPOOL OPTIONS:

Double Acting Cylinder
Double Acting Motor

> PORT RELIEF OPTIONS:

Anti-Cavitation
Load Sense



VALVES

Sectional Valve Load Sense Valve

> Custom Built to Order



PVG 100

INLET FLOW (l/min)	PRESSURE BAR	P (UNO)	T (UNO)	LS (UNO)	A&B (UNO)
250	350	1 5/16"	1 5/8"	9/16"	1 1/16"

> CIRCUIT TYPES:

Open Centre
Closed Centre
Load Sense

> CONTROL TYPES:

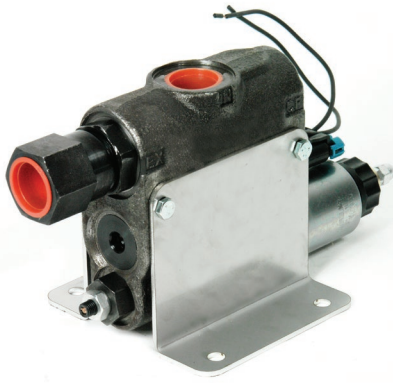
Manual Lever
Friction Detent
Hydraulic Pilot
Electronic ON / OFF
Electronic Proportional - Basic
- Fault Monitoring Active / Passive

> SPOOL OPTIONS:

Double Acting Cylinder
Double Acting Motor

> PORT RELIEF OPTIONS:

Anti-Cavitation
Load Sense



VALVES

Electronic Flow Control



- > 2 or 3 Port Pressure Compensated Flow Control
- > 0 - 30 GPM
- > 207 Bar Rated
- > 1 1/16" UNO Ports
- > 12 or 24V DC

EFC

EFC ORDERING CODE EXAMPLE

EFC - 12 30 24 R28

REVERSE FLOW

C = Free Reverse Flow
Omit = No Reverse Flow

PORT SIZE

12 = #12SAE (1-1/16 - 12)

FLOW SETTING

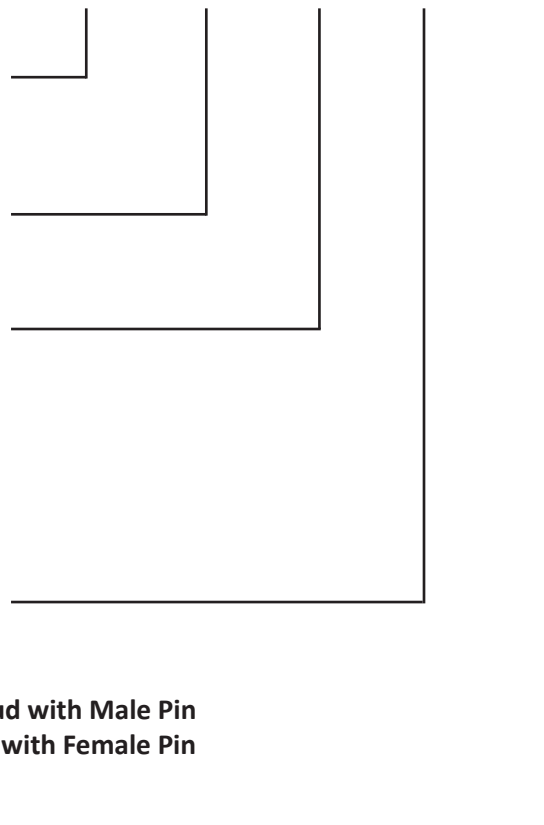
05 = 0-5gpm (18.9 lpm)
10 = 0-10gpm (37.8 lpm)
15 = 0-15gpm (56.8 lpm)
20 = 0-20gpm (75.7 lpm)
25 = 0-25gpm (94.6 lpm)
30 = 0-30gpm (11.6 lpm)

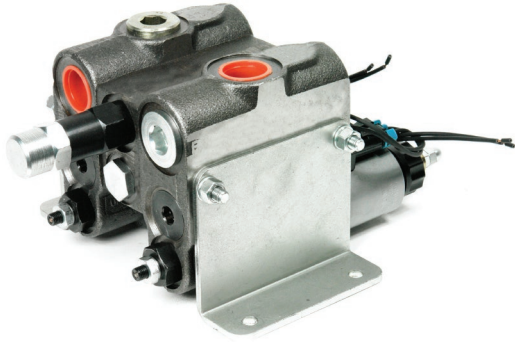
COIL VOLTAGE & TERMINAL

12 = 12V DC
24 = 24V DC
PF = Weather Pack, Female Shroud with Male Pin
PM = Weather Pack, Male Tower with Female Pin

OPTIONS

2P = 2 Port
R15 = Relief Set at 1500 psi (103.4 Bar) (Specify Pressure in 100 psi increments)
.093 = 0.093 Dashpot Orifice
.020 = 0.020 Dashpot Orifice





VALVES

Electronic Flow Control (Series)

- > Pressure Compensated Flow Control in Series
- > 0 - 30 GPM
- > 207 Bar Rated
- > 1 $\frac{1}{16}$ " UNO Ports
- > 12 or 24V DC
- > Contact Us for Available Configurations



SEFC



VALVES

Diverter Valve
Electric Diverter

- > Rated 200 Bar - 315 Bar Drained
- > Complete with Drain Kit*
- > Hirschmann Plugs not included
- > Standard Spools are Open on Changeover (A). Closed on Changeover (B)



DFE (SOLENOID TYPE)

MODEL	CODE	FLOW (l/min)	PORTS	PORT SIZE (BSPP)	VOLTAGE
12A240020	DFE050	60	3A	3/8"	12V DC
12A240040	DFE050	60	3A	3/8"	24V DC
12A270026	DFE052	60	6B	3/8"	12V DC
12A270031	DFE052	60	6B	3/8"	24V DC
12A270028*	DFE052	60	6B	3/8"	12V DC
12B010005	DFE052	60	8B	3/8"	12V DC
12B020025	DFE5	60	8B	3/8"	24V DC
12A440013	DFE10	90	3A	1/2"	12V DC
12A440025	DFE10	90	3A	1/2"	24V DC
12A480013	DFE10	90	6B	1/2"	12V DC
12A480025	DFE10	90	6B	1/2"	24V DC
12A640014	DFE20	140	3A	3/4"	12V DC
12A640026	DFE20	140	3A	3/4"	24V DC
12A680014	DFE20	140	6B	3/4"	12V DC
12A680026	DFE20	140	6B	3/4"	24V DC
12C060009	DFE140	80	6B	1/2"	12V DC
12C060004	DFE140	80	6B	1/2"	24V DC

SPARE PARTS

MODEL	DESCRIPTION	VOLTAGE
4SOL515012	DFE052 / DFE5	12V DC
4SOL515024	DFE052 / DFE5	24V DC
4SOL516012	DFE10	12V DC
4SOL516024	DFE10	24V DC
4SOL519112	DFE20 / DFE140	12V DC
4SOL519124	DFE20 / DFE140	24V DC

SPARE PARTS CONT.

MODEL**DESCRIPTION**

5GIU001	Drain Kit for DFE050
5GIU004	Drain Kit for DFE10
5GIU007	Drain Kit for DFE20
5SOL515000	Coil Armature for DFE052
5SOL516000	Coil Armature for DFE10
5SOL519003	Coil Armature for DFE20/140
4102192	Hershman 3 Pin LED Plug 12-32V DC



VALVES

Diverter Valve Electric Diverter

- > Electric Diverter Valves
- > Din Plugs on Coils



L7

MODEL	FLOW (l/min)	PORTS	PORT SIZE (BSPP)	VOLTAGE	MAX PRESSURE BAR
L7053113NIOB010	50	3	3/8"	12V DC	250
L7053113NIOC010	50	3	3/8"	24V DC	250
L7054113NIOB010	90	3	1/2"	12V DC	310
L7054113NIOC010	90	3	1/2"	24V DC	310
L7213116BIOB010	50	6	3/8"	12V DC	310
L7213116BIOC010	50	6	3/8"	24V DC	310
L7214116BIOB010	90	6	1/2"	12V DC	250
L7214116BIOC010	90	6	1/2"	24V DC	250
L7534146BIOC010	90	6	1/2"	24V DC	250
L7535146BIOB010	100	6	3/4"	12V DC	250
L7535146BIOC010	100	6	3/4"	24V DC	250

SPARE PARTS

MODEL	DESCRIPTION	VOLTAGE
2710520	Coil Small	12V DC
2710521	Coil Small	24V DC
2810617	Coil Large	12V DC
2810618	Coil Large	24V DC
4102191	Hershman 3 Pin LED Plug 12-32V DC	



VALVES

Diverter Valve Electric Diverter

- > Electric Diverter Valves
- > Din Plugs on Coils



SVE

MODEL	FLOW (l/min)	PORTS	PORT SIZE (BSPP)	VOLTAGE	MAX PRESSURE BAR
HC SVE05312V	50	3	3/8"	12V DC	350
HC SVE05324V	50	3	3/8"	24V DC	350
HC SVE05612V	50	6	3/8"	12V DC	350
HC SVE05624V	50	6	3/8"	24V DC	350
HC SVE08312V	80	3	1/2"	12V DC	350
HC SVE08324V	80	3	1/2"	24V DC	350
HC SVE08612V	80	6	1/2"	12V DC	350
HC SVE08624V	80	6	1/2"	24V DC	350
HC SVE12312V	120	3	3/4"	12V DC	350
HC SVE12324V	120	3	3/4"	24V DC	350
HC SVE12612V	120	6	3/4"	12V DC	350
HC SVE12624V	120	6	3/4"	24V DC	350

SPARE PARTS

MODEL	DESCRIPTION	MODEL	VOLTAGE
HC 413171211	Coil 3/8" Valves	53/56	12V DC
HC 413171215	Coil 3/8" Valves	83/83/123/126	12V DC
HC 413172410	Coil 3/8" Valves	53/56	24V DC
HC 413172414	Coil 3/8" Valves	83/83/123/126	24V DC
4102192	Hershman 3 Pin LED Plug 12-32V DC		



VALVES

Diverter Valve
Electric Diverter

Badestnost

hydraulic components

- > Open Centre on Change Over
- > Din Plug not Included
- > *315 Bar with Case Drain Connected Standard 250 Bar - Both Models are Stackable

DVS & SVV

MODEL	DESCRIPTION	PORT SIZE (BSPP)	NOMINAL FLOW (l/min)	MAX PRESSURE BAR
DVS6-6/2-L-12DC-G38	6 Port	3/8"	50	*315
DVS6-6/2-L-24DC-G38	6 Port	3/8"	50	*315
SVV-90-6/2-D12	6 Port	1/2"	90	*315
SVV-90-6/2-D24	6 Port	1/2"	90	*315

SPARE PARTS

MODEL	DESCRIPTION
4100581	12V Coil DVS6-6
4101676	24V Coil DVS6-6
4101171	12V Coil SVV90-6
4101677	24V Coil SVV90-6
4102192	Hershman 3 Pin LED Plug 12-32V DC



VALVES

Diverter Valve Manual Diverter

- > Standard Spools are open on changeover (A) Closed on changeover (B)
- > Complete with Handles



DF (SPOOL TYPE)

MODEL	CODE	FLOW (l/min)	PORTS	PORT SIZE (BSP)	SPOOL CONTROL (A SIDE)
122052040	DF5/3	60	3A	3/8"	Detent
122054040	DF5/3	60	3A	3/8"	Spring (Pull to Work)
122050078	DF5/3	60	3A	3/8"	Spring (Push to Work)
122054020	DF5/3	60	3	3/8"	Without Lever Box / Dust Proof Plate (Pull to Work)
122084040	DF5/6	60	6A	3/8"	Spring (Pull to Work)
124052040	DF10/3	90	3A	1/2"	Detent
124054040	DF10/3	90	3A	1/2"	Spring (Pull to Work)
124050016	DF10/3	90	3B	1/2"	Cam
124054021	DF10/3	90	3A	1/2"	Without Lever Box / Dust Proof Plate (Pull to Work)
124084040	DF10/6	90	6A	1/2"	Spring (Pull to Work)
124084020	DF10/6	90	6	1/2"	Without Lever Box / Dust Proof Plate (Pull to Work)
126052040	DF20/3	140	3A	3/4"	Detent
126054040	DF20/3	140	3A	3/4"	Spring (Pull to Work)
126082040	DF20/6	140	6A	3/4"	Detent
126085603	DF22/6	180	6	3/4"	12V DC
126089240	DF22/6	180	6A	3/4"	24V DC
127052040	DF25/3	220	3A	1"	Detent

SPARE PARTS

MODEL	DESCRIPTION
5V17105000	DF5 17 Kit (Pull to Work)
5V12105000	DF5 12 Kit (Detent)
5V17110000	DF10 17 Kit (Pull to Work)
5V17120000	DF20 17 (Pull to Work)
5V18405110	DF5 18ME (Push to Work)
5V12120000	DF20 Kit 12 (Detent)



VALVES

Diverter Valve
Manual Diverter



DH (ROTARY TYPE)

MODEL	CODE	FLOW (l/min)	PORTS	PORT SIZE (BSPP)
132031110	DH5/3	60	3A	3/8"
132041110	DH5/4	60	4A	3/8"
132061110	DH5/6	60	6A	3/8"
134031110	DH10/3	90	3A	1/2"
134041110	DH10/4	90	4A	1/2"
134041210	DH10/4B	90	4B	1/2"
134061110	DH10/6	90	6A	1/2"
136031110	DH20/3	140	3A	3/4"
136061110	DH20/6	140	6A	3/4"
137031110	DH25/3	200	3A	1"
137061110	DH25/6	200	6A	1"



> Cam Roller Diverter

DFC

MODEL	FLOW (l/min)	PORTS	PORT SIZE (BSPP)	MAX PRESSURE BAR
122050023	60	3B	3/8"	315
122080018	60	6B	3/8"	315



VALVES

Diverter Valve Manual Diverter

> Spool Type Diverter



SVM

MODEL	FLOW (l/min)	PORTS	PORT SIZE (BSPP)	MAX PRESSURE BAR
HC SVM053	50	3	3/8"	350
HC SVM056	50	6	3/8"	350
HC SVM083	80	3	1/2"	350
HC SVM086	80	6	1/2"	350
HC SVM123	120	3	3/4"	350
HC SVM126	120	6	3/4"	350

SPARE PARTS

MODEL	DESCRIPTION	SERIES
HC 320316001	Handle Box	083/86
HC 320328001	Handle Box	053/56
HC 320329001	Handle Box	123/126
HC 320816001	Detent Kit	083/086
HC 320829001	Detent Kit	123/126



VALVES

**Diverter Valve
Manual Diverter**



PUSH / PULL

MODEL	FLOW (l/min)	PORTS	PORT SIZE (UNO)
SS-4A1D	75	3	7/8"



VALVES

Diverter Valve Manual Diverter

- > Valves can be Bolted Back to Back to give a 6 Port Rotary Diverter
- > Open Centre on Change Over

Badestnost
hydraulic components

3 WAY ROTARY DIVERTER VALVE

MODEL	DESCRIPTION	PORT SIZE (BSPP)	NOMINAL FLOW (l/min)	MAX PRESSURE BAR
357-31-38	3 Port	3/8"	60	300
358-31-12	3 Port	1/2"	90	250
359-31-34	3 Port	3/4"	120	220



- > 40 = Closed Centre on Change Over
- > 42 = Open Centre on Change Over
- > Cannot be Stacked

4 WAY ROTARY DIVERTER VALVE

MODEL	DESCRIPTION	PORT SIZE (BSPP)	NOMINAL FLOW (l/min)	MAX PRESSURE BAR
303-40-12	4 Port	1/2"	60	320
303-42-12	4 Port	1/2"	90	320



VALVES

Diverter Valve
Manual Diverter

> Open Centre on Change Over

Badestnost
hydraulic components

SELECTOR 3 PORT PUSH / PULL

MODEL	DESCRIPTION	PORT SIZE (BSP)	NOMINAL FLOW (l/min)	MAX PRESSURE BAR
SV80AG12K	3 Port	1/2"	75	210
SV120AG34K	3 Port	3/4"	113	210





VALVES

Cetop 3 Valve



- > High Performance Valves
 - 350 BAR Max Pressure
 - 210 BAR Max Pressure T Port
 - Nominal Flow 80 l/min

- > Standard Performance Valves
 - 350 BAR Max Pressure
 - 100 BAR Max Pressure T Port
 - Nominal Flow 40 l/min

- > Spare Parts Available

CETOP 3 VALVE

CETOP 3 VALVE ORDERING CODE EXAMPLE

DG4V3 S 0 C MU G 7 60

PERFORMANCE

S = Standard Performance
 OMIT = High Performance

SPOOL TYPE

0 = All Ports Open on Changeover - Single Offset
 2 = All Ports Closed on Changeover - Single Offset
 0 = All Ports Open
 2 = All Ports Blocked
 6 = P Blocked, A & B to T
 8 = P to T, A & B Blocked

SOLENOID POSITION

A = P to A, De-Energised - Single Offset
 AL = P to B, De-Energised - Single Offset, Left Hand
 C = Spring Centred - Standard

CONNECTOR TYPE

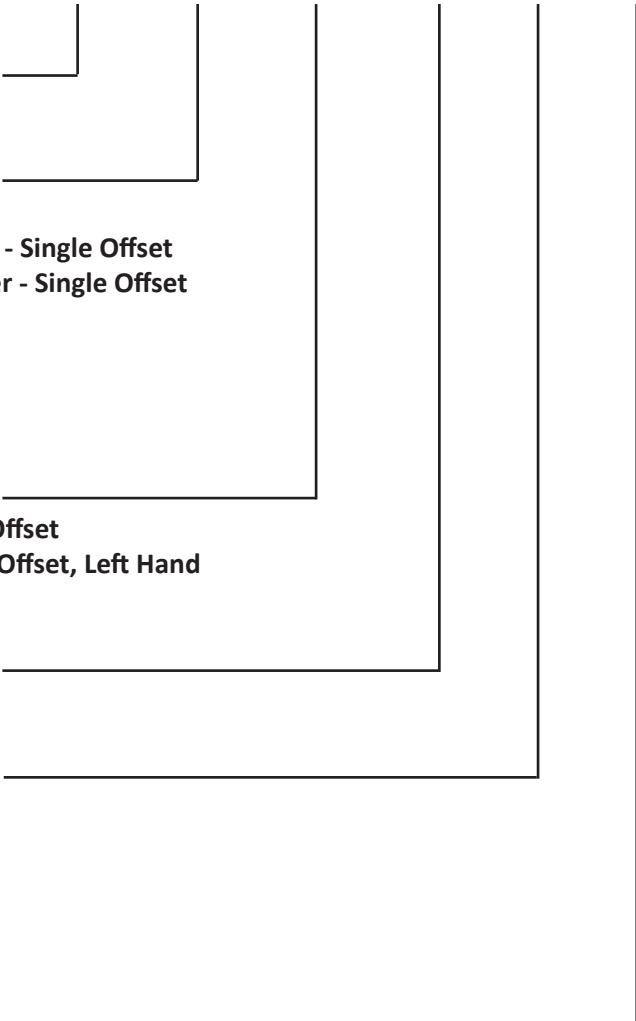
MU = Hirschman Plug

COIL VOLTAGE

G = 12V DC
 H = 24V DC
 A = 110V AC
 ED = 240V AC
 NN = 24V AC

AC / DC

7 = DC





VALVES

Cetop 3 Valve

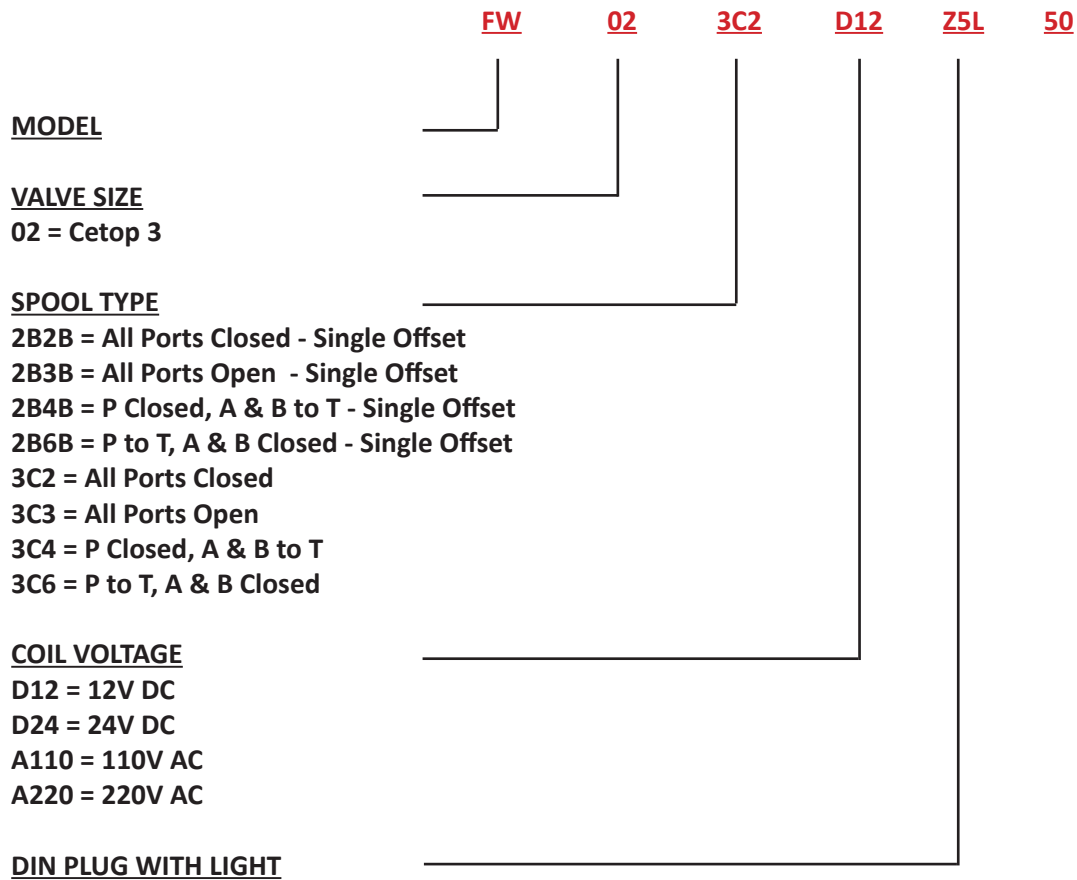
- > Standard Performance Valves - 315 BAR Max Pressure
- Nominal Flow 80 l/min

- > All Valves Supplied Complete with Bolt Kits and Din Plugs with Lights
- > Spare Parts Available



CETOP 3 VALVE

CETOP 3 VALVE ORDERING CODE EXAMPLE





VALVES

Cetop 3 Module



CETOP 3 MODULE

CETOP 3 MODULE ORDERING CODE EXAMPLE

FUNCTIONALITY

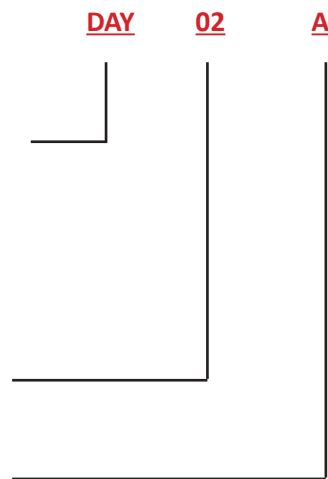
- DAY - Pilot Check
- DLA - Flow Control
- DY - Relief
- DYJ - Pressure Reducer
- DYP - Counter Balance

VALVE SIZE

Cetop 3 (02)

ACTIVATION POINT

- A
- B
- W = A & B
- P



CETOP 3 MODULE

TYPE	FUNCTION	SIZE	ACTIVATION PORT	MAX PRESSURE BAR	NOMINAL FLOW (l/min)
DAY	Pilot Check	02	A	315	45
DAY	Pilot Check	02	B	315	45
DAY	Pilot Check	02	A & B (W)	315	45
DLA	Flow Control	02	A	315	45
DLA	Flow Control	02	B	315	45
DLA	Flow Control	02	A & B (W)	315	45
DY	Relief	02	P	315	45
DY	Relief	02	A	315	45
DY	Relief	02	B	315	45
DYJ	Pressure Reducer	02	P	210	45
DYJ	Pressure Reducer	02	A	210	45
DYJ	Pressure Reducer	02	B	210	45
DYP	Counter Balance	02	A	210	40
DYP	Counter Balance	02	B	210	40



VALVES

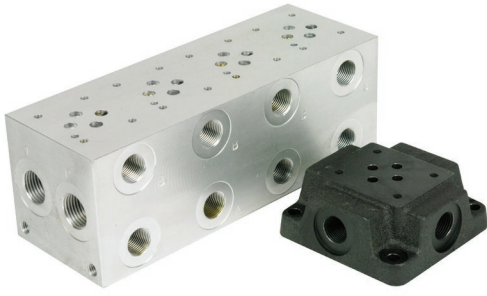
Cetop 3 Module

> * Requires Specific Specifications



CETOP 3 MODULE

MODEL	FUNCTION	ACTIVATION PORT	MAX PRESSURE BAR
FBP/M RDDA	Single Relief	P to T	340
FBX RDDA	Dual Relief	A to T & B to T	340
FBY RDDA	Dual Crossline Relief	A to B & B to A	340
EBA/M CKCD	Single Pilot Check	A or B	340
EBY CKCD	Dual Pilot Check	A & B	340
EBA/M CBC*	Single Counter Balance	A or B	340
EBY CBC*	Dual Counter Balance	A & B	340
GBA NCCB	Single Flow Control	A or B (Meter-in or Meter-out)	340
GBY NCCB	Dual Flow Control	A & B (Meter-in or Meter-out)	340



VALVES

Cetop 3 Subplates



CETOP 3 ALLOY SUBPLATE

MODEL	DESCRIPTION
-------	-------------

AD03-SP-S-6B	Side Ports $\frac{3}{8}$ " BSPP
AD03-SP-RV-S-6B	Side Ports c/w Relief Cavity $\frac{3}{8}$ " BSPP

CETOP 3 CAST IRON SUBPLATE

MODEL	DESCRIPTION
-------	-------------

SD03-SP-B-6B	Cetop 3 $\frac{3}{8}$ " BSPP Bottom Ports
SD03-SP-S-6B	Cetop 3 $\frac{3}{8}$ " BSPP Side Ports

CETOP 3 ALLOY MANIFOLDS

MODEL	STATION	PORTS (BSPP)	RELIEF CAVITY
-------	---------	--------------	---------------

AD03-P-02-2BS	2 Parallel	$\frac{3}{8}$ "	T-11A
AD03-S-02-2BS	2 Series	$\frac{3}{8}$ "	T-11A
AD03-P-03-2BS	3 Parallel	$\frac{3}{8}$ "	T-11A
AD03-S-03-2BS	3 Series	$\frac{3}{8}$ "	T-11A
AD03-P-04-2BS	4 Parallel	$\frac{3}{8}$ "	T-11A
AD03-S-02-2BS	4 Series	$\frac{3}{8}$ "	T-11A



VALVES

Cetop 3 Subplates

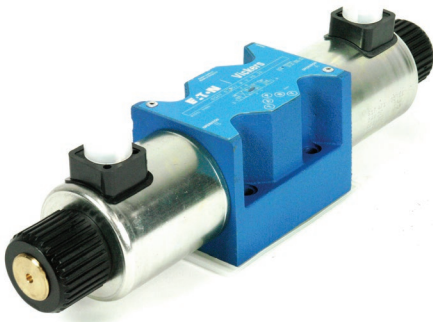


Hydraulic Cartridge Valves



CETOP 3 ALLOY SUBPLATE

MODEL	STATION	PORTS (BSPP)	RELIEF CAVITY
HCV 531 P6P	1	3/8"	-
HCV 530 P8P RDDA	1	1/2"	T-11A
VPA XFCA	1	1/2"	T-11A
VPB XFCA	2 Parallel	1/2"	T-11A
VPC XFCA	3 Parallel	1/2"	T-11A
VPD XFCA	4 Parallel	1/2"	T-11A
VPE XFCA	5 Parallel	1/2"	T-11A
HCV 542 P6P	2 Series	3/8"	-
HCV 543 P6P	3 Series	3/8"	-
HCV 544 P6P	4 Series	3/8"	-
HCV 545 P6P	5 Series	3/8"	-



VALVES

Cetop 5 Valve

- > Standard Performance Valves
 - 350 BAR Max Pressure
 - 100 BAR Max Pressure T Port
 - Nominal Flow 120 l/min



> Spare Parts Available

CETOP 5 VALVE

CETOP 5 VALVE ORDERING CODE EXAMPLE

DG4V5 **0** **C** **J** **MU** **G** **620**

SPOOL TYPE

- 0 = All Ports Open on Changeover - Single Offset
- 2 = All Ports Closed on Changeover - Single Offset
- 0 = All Ports Open
- 2 = All Ports Blocked
- 6 = P Blocked, A & B to T
- 8 = P to T, A & B Blocked

SOLENOID POSITION

- A = P to A, De-Energised - Single Offset
- AL = P to B, De-Energised - Single Offset, Left Hand
- C = Spring Centred - Standard

AC / DC

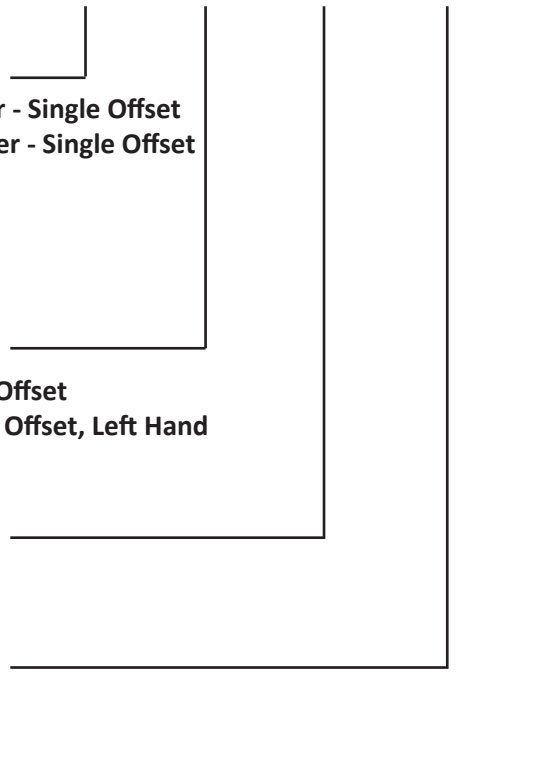
- J = DC
- OMIT = AC

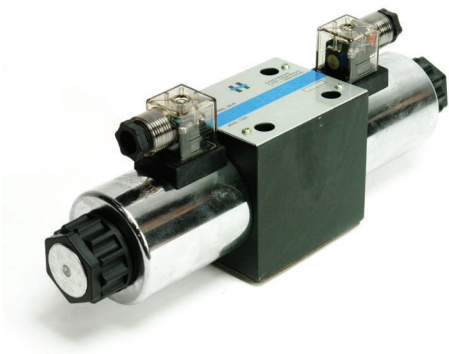
CONNECTOR

- MU = Hirschman Plug

COIL VOLTAGE

- G = 12V DC
- H = 24V DC
- A = 110V AC
- ED = 240V AC





VALVES

Cetop 5 Valve

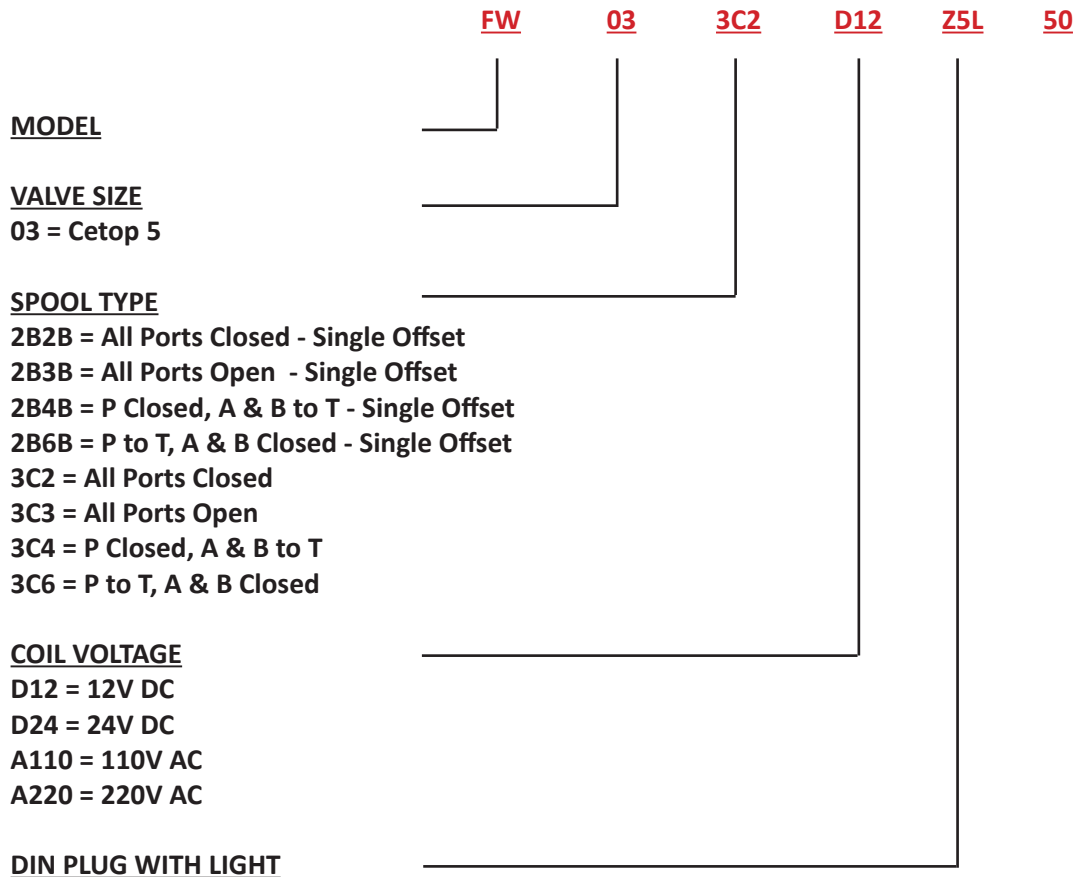
- > Standard Performance Valves - 315 BAR Max Pressure
- Nominal Flow 120 l/min

- > All Valves Supplied Complete with Bolt Kits and Din Plugs with Lights
- > Spare Parts Available



CETOP 5 VALVE

CETOP 5 VALVE ORDERING CODE EXAMPLE





VALVES

Cetop 5 Module

> * Requires Specific Specifications



Hydraulic Cartridge Valves



CETOP 5 MODULE

MODEL	FUNCTION	ACTIVATION PORT	MAX PRESSURE BAR
CBP RDFA	Single Relief	P to T	340
CBX RDFA	Dual Relief	A and B to T	340
CBY RDFA	Dual Crossline Relief	A to B & B to A	340
BBA/M CKED	Single Pilot Check	A	340
BBY CKED	Dual Pilot Check	A & B	340
BBA/M CBE*	Single Counter Balance	A	340
BBY CBE*	Dual Counter Balance	A & B	340
DBA NCEB	Single Flow Control	Meter-out on A or Meter-in on B	340
DBY NCEB	Dual Flow Control	A & B Meter-in or Meter-out	340



VALVES

Cetop 5 Subplates



CETOP 5 CAST IRON SUBPLATE

MODEL	DESCRIPTION
SD05-SP-B-8B	Cetop 5 ½" BSPP Bottom Ports



CETOP 5 ALLOY SUBPLATE

MODEL	STATION	PORTS (BSPP)	RELIEF CAVITY
HCV 550 P8P RDDA	1	½"	T-11A
VNB XCCA	2 Parallel	P & T ¾", A & B ½"	T-11A
VNC XCCA	3 Parallel	P & T ¾", A & B ½"	T-11A
VND XCCA	4 Parallel	P & T ¾", A & B ½"	T-11A



VALVES

Handles & Levers



H SERIES HANDLES

MODEL	DESCRIPTION	SERIES
2IM4000000	Blank	HB000
2IM4000312	1 Push Button (Non Latching)	HB010
2IM4000002	2 Push Button (Non Latching)	HB020
2IM4000003	3 Push Button (Non Latching)	HB030
2IM4000004	4 Push Button (Non Latching)	HB040
2IM4000005	5 Push Button (Non Latching)	HB050
2IM4000006	6 Push Button (Non Latching)	HB060
2IM4000011	Top Rocker Switch (Non Latching)	HB500
2IM4000267	1 Push Button, Top Rocker Switch (Both Non Latching)	HB510
2IM4000273	2 Push Button, Top Rocker Switch (Both Non Latching)	HB520
2IM4000010	Top Rocker (Non Latching)	HB400
2IM4000264	1 Push Button (Non Latching) Top Rocker (Latching)	HB410
2IM4000025	2 Push Button (Non Latching) Top Rocker (Latching)	HB420
2IM4100000	Dead Man Switch Only	HA000
2IM4100177	4 Push Buttons, Top Rocker (Both Non Latching) with Dead Man Switch	HA040

SPARE PARTS

MODEL	DESCRIPTION
3AST281416	Hollow Stem 125mm Long - M14 / M14
3AS2141500	Hollow Stem 150mm Long - M14 / M12
4DAD314150	Galv. Nut M14 x 1.5mm
YCAV720	Rocker Switch - Spring Centre
4ACC522	Rubber Boot for Rocker Switch
4ACC523	Rectangular Frame for Rubber Boot
3GIU712400	Stepped Stud M12 / M10
4VIT212040	Straight Stud M12
3PUL111090	H Series Red Button



VALVES

Handles & Levers



P SERIES HANDLES

MODEL	DESCRIPTION	SERIES
2IM86M0002	3 x (ON) / OFF - 1 x ON / OFF / ON - 1 x Proportional - 1 x Dead Man Switch	PZTM211
2IM86M0000	5 x (ON) / OFF - 1 x ON / OFF / ON - 1 x Proportional - 1 x Dead Man Switch	PZTM410



STANDARD SERIES HANDLES

MODEL	DESCRIPTION	VALVE	THREAD	LENGTH	SERIES
170011012	Standard Cylindrical	SD5	M8	120	AL01
170011015	Standard Cylindrical	SD6	M8	150	AL01
170012020	Standard Cylindrical	SD11	M10	200	AL01
170012025	Standard Cylindrical	SD11	M10	250	AL01
170013020	Standard Cylindrical	SD18	M12	200	AL01
170013025	Standard Cylindrical	SD25	M12	250	AL01



VALVES

Handles & Levers

- > Ergonomic Plastic Push Button
- > Handle Only
- > Non-Latching



RCX SERIES HANDLES

MODEL	DESCRIPTION
HC 32000006	No Button
HC 32000009	1 Button
HC 32000015	2 Button
HC 32000021	3 Button
HC 32000027	4 Button
HC 32000033	5 Button



VALVES

Cable Controls

- > TC / TCC Kits Require A+B+C+D
- > SCF Kits Require A+B+E

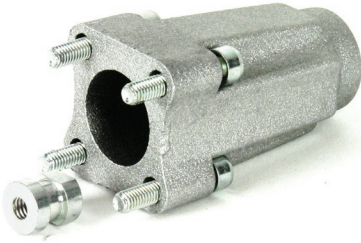


VALVE CONNECTION (A)

MODEL	TO SUIT	CODE	VALVE
5TEL105005	Lever End -	TP50	SD4, SD5
5V08105300	Spring End Spring Return	8TCL	SD6, DF5
5V11105300	Spring End Detent	11TCL	DLS7
5TEL110005	Lever End -	TP100	SD11, SD14
5V08110300	Spring End Spring Return	8TCL	SDS150,SD16
5V11110300	Spring End Detent	11TCL	DF10
5TEL120005	Lever End -	TP200	SD18, SD25
5V08120300	Spring End Spring Return	8TCL	DF20
5TEL108110	Lever End -	TQ80	SD8, SDM140

CABLES (B)

MODEL	SERIES	LENGTH (mm)
4CAV700500	CG	500
4CAV700750	CG	750
4CAV701000	CG	1000
4CAV701250	CG	1250
4CAV701500	CG	1500
4CAV701750	CG	1750
4CAV702000	CG	2000
4CAV702250	CG	2250
4CAV702500	CG	2500
4CAV702750	CG	2750
4CAV703000	CG	3000
4CAV703500	CG	3500
4CAV704000	CG	4000
4CAV704500	CG	4500
4CAV705000	CG	5000
4CAV706000	CG	6000



VALVES

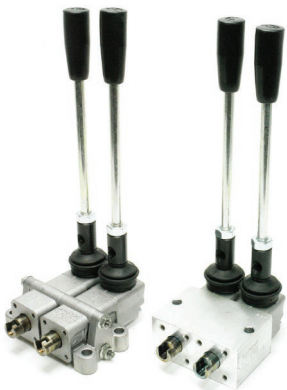
Cable Controls

- > TC / TCC Kits Require A+B+C+D
- > SCF Kits Require A+B+E
- > To Suit Models - SD4, SD5, SD6, DLS7, DF5



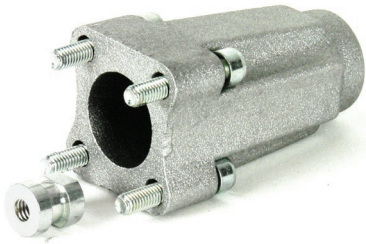
LEVER CONTROL KIT (C)

MODEL	DESCRIPTION	CODE
STEL005005	Control Connection Kit	GP50



LEVER CONTROL BANK (D)

MODEL	DESCRIPTION	SERIES	TYPE
172110100	Lever Control Bank	TCC5 / 1ML	Spring
172100200	Lever Control Bank	TCC5 / 2ML / ML	Spring



VALVES

Cable Controls

> TC / TCC Kits Require A+B+C+D

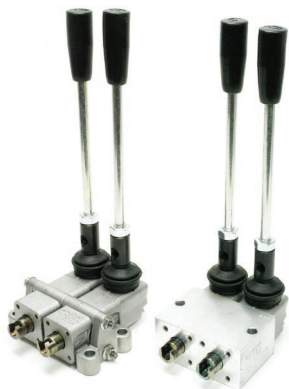
> SCF Kits Require A+B+E

> To Suit Models - SD8, SD11, SDM140, SD14, SD18, SDM141, DLM142, SDS150, SD16, SD25, DF10, DF20



LEVER CONTROL KIT (C)

MODEL	DESCRIPTION	CODE
STEL010005	Control Connection Kit	GP100



LEVER CONTROL BANK (D)

MODEL	DESCRIPTION	SERIES	TYPE
174110100	Lever Control Bank	TCC10 / 1ML	Spring
174100200	Lever Control Bank	TCC10 / 2ML / 2ML	Spring



VALVES

Cable Controls

- > TC / TCC Kits Require A+B+C+D
- > SCF Kits Require A+B+E



CABLE JOYSTICK (E)

MODEL	HANDLE TYPE	CODE
179030001	Plain (No Switch)	SCF030/02/V00
179030002	Push Button (Non Latching)	SCF030/02/V20
179030010	Rocker Switch (Non Latching)	SCF030/02/Y

SPARE PARTS

MODEL	HANDLE TYPE
5CIN305	SCF030 Kinematic Kit
3SOF204100	SCF030 Rubber Boot
5IMP030000	Handle V00 Plain No Button (Rubber)
5IMP032000	Handle V20 Top Push Button - Non Latching (Rubber)
5COR211761	SCF030/02 Body Kit with Central Lock



VALVES

Hydraulic Pilot Controls



SV HYDRAULIC SERIES

MODEL	DESCRIPTION	CODE
S01B001A01W0	Monoblock Dual Axis Proportional Joystick (5.8 - 22 Bar)	SV01-B/01W-001AX4
S10B001A01G0	Monoblock Single Axis 1 Section	SV01-B/01G-001AX2
S60B001C0100	Monoblock Pilot Valve Single Pedal	SV60-B001C
181520003	Monoblock Pilot Valve with Rocker Pedal	SVP500-B/01-130BX2

SPARE PARTS

MODEL	DESCRIPTION	CODE
3SOF1A6820	Rubber Bellow	SV01
3SOF190781	Rubber Bellow	SV10
3SOF138184	Top Shield Knob (Rocker)	SV01
3PUL128340	Rocker	AL17/AL16/AL19



VALVES

Hydraulic Pilot Controls

- > Single Axis Pilot Joystick
- > Max Oil Flow 16 l/min
- > Max Pressure - 100 Bar
- > ¼" BSPP Ports



RCM SERIES

MODEL	DESCRIPTION	CONTROL RANGE (BAR)
HC RCM/101A02MAMWE95RAG02	Remote Spring Centre	5-25
HC RCM/101A03MAMWE95RAG02	Remote Spring Centre	2-13
HC RCM/101A06MAMWE95RAG02	Remote Spring Centre	4-17
HC RCM/101A08MAMWE95RAG02	Remote Spring Centre	2-18
HC RCM/106A03MAMWE95RAG02	Remote Friction Detent	2-13
HC RCM/106A06MAMWE95RAG02	Remote Friction Detent	4-17
HC RCM/106A08MAMWE95RAG02	Remote Friction Detent	2-18

SPARE PARTS

MODEL	DESCRIPTION	CODE
HC 321800001	Spring 5-25 Bar	A02
HC 321800004	Spring 5.8-19.5 Bar	A01
HC 321800006	Spring 2-13 Bar	A03
HC 321800009	Spring 4-17 Bar	A06
HC 321800010	Spring 5-15 Bar	A07
HC 321800011	Spring 2-18 Bar	A08
HC 423403058	Rubber Bellow	
HC 413042701	Lever Knob	



VALVES

Hydraulic Pilot Controls



- > Dual Axis Pilot Joystick
- > Max Oil Flow 12 l/min
- > Max Pressure - 100 Bar
- > ¼" BSPP Ports

RCX SERIES

MODEL	DESCRIPTION	CONTROL RANGE (BAR)	BUTTONS
HC RCX01A06MAF00F00R2WF53RAG	Remote Pilot Joystick	4-17	0
HC RCX01A06MAF00F00R2WF53RAG	Remote Pilot Joystick	4-17	1
HC RCX01A06MAF00F00R2WF53RAG	Remote Pilot Joystick	4-17	2
HC RCX01A06MAF00F00R2WF53RAG	Remote Pilot Joystick	4-17	3
HC RCX01A06MAF00F00R2WF53RAG	Remote Pilot Joystick	4-17	4
HC RCX01A06MAF00F00R2WF53RAG	Remote Pilot Joystick	4-17	5

SPARE PARTS

MODEL	DESCRIPTION	CODE
HC 321800001	Spring 5-25 Bar	A02
HC 321800004	Spring 5.8-19.5 Bar	A01
HC 321800006	Spring 2-13 Bar	A03
HC 321800009	Spring 4-17 Bar	A06
HC 321800010	Spring 5-15 Bar	A07
HC 321800011	Spring 2-18 Bar	A08
HC 423403015	Rubber Bellow	
HC 413042701	Lever Knob	



VALVES

Electronic Controls



- > 8 - 32V DC Supply Voltage
- > Dead Man Switch Management
- > Float Function Management
- > Fast/Slow Function Management
- > Analog and Digital Inputs
- > IP67 Rated
- > Control Output Range 100 - 300mA

CED 400X

MODEL	DESCRIPTION
183331004	CED400X ECU 4 Proportional Functions 8 x 2A Outputs

- > Dual Axis Control
- > Analog Output 0.5 - 4.5V (2.5V in Neutral)
- > Joystick IP65 Rated
- > Deadman Switch IP67 Rated

AJW JOYSTICK

MODEL	CONTROL OPTIONS
183540028	Dual Axis, 2 x Proportional Rocker Switch, 1 x ON / OFF Push Button
183540069	Dual Axis, 2 x Proportional Rocker Switch, 2 x ON / OFF Push Button

FILTRATION



FILTRATION

Index

PRODUCT	BRAND	MODEL	PAGE
Tank Top Return Filter Housing	Hydac	RF Series	230
Tank Top Return Filter Housing	Hydac	RFM Series	232
Tank Top Return Filter Housing	FBN	SIF Series	234
Inline Pressure Filter	Hydac	MFX Inline Low Pressure	236
Inline Pressure Filter	Hydac	LF Inline Low Pressure	237
Inline Pressure Filter	Hydac	MDF Inline Medium Pressure	240
Inline Pressure Filter	Hydac	DF Inline High Pressure	242
Inline Pressure Filter	Quality Filtration	DF Pall Replacement Elements	245
Spin On Filter	Hydac	MF Low Pressure	246
Spin On Filter	Hydac	MFD Low Pressure	247
Spin On Filter	Hydac	MFDS Low Pressure	248
Spin On Filter	FBN	Spin on Filter	249
Suction Strainer	Hydac	S Series, S Series with Bypass	250
Suction Strainer	FBN	F1 Series, FR Series	251





FILTRATION

Tank Top Return Filter Housing



- > Up to 15,000 l/min
- > Maximum 25 Bar
- > For Larger or Specialised Applications Contact Us For a Customised Order
- > All Items are Absolute
- > *Flow Rate is Housing Only - Contact Us for Additional Information for Specific Micron Ratings

RF SERIES HOUSINGS

MODEL	DESCRIPTION	PORT SIZE (BSPP)	MAX PRESSURE BAR	MAX FLOW RATE (l/min)
RF60DCXXA1.0	4 Bolt - Tank Mounted	¾"	10	60*
RF110DCXXA1.0	4 Bolt - Tank Mounted	¾"	25	110*
RF160DEXXA1.0	4 Bolt - Tank Mounted	1 ¼"	25	160*
RF240DEXXA1.0	4 Bolt - Tank Mounted	1 ¼"	25	240*
RF330DLXXA1.0	4 Bolt - Tank Mounted	SAE DN 50	25	330*
RF660DNXXA1.1	4 Bolt - Tank Mounted	3"	25	660*

ACCESSORIES

MODEL	DESCRIPTION	THREAD (BSPP)
VMF2B1	Return Line Indicator - Visual Auto Reset	⅛"
VR2B1	Return Line Indicator - Visual Auto Reset	½"
VR2C1	Return Line Indicator - Electrical	½"
VR2E0	Return Line Indicator - Rear Entry Gauge	½"
318763	Seal Kit RF60 & RF110	
319005	Seal Kit RF160 & RF240	
319613	Seal Kit RF330	
303792	Seal Kit RF660	
1202362	Contamination Retainer RF60 & RF110	
1202363	Contamination Retainer RF160 & RF240	
1202364	Contamination Retainer RF330 & RF500	
1202357	Contamination Retainer RF660 & RF850	

RF SERIES ELEMENTS

MODEL

HOUSING MODEL

DESCRIPTION

0060R003BN4HC	RF60DCXXA1.0	RF60 3 Micron Element
0060R005BN4HC	RF60DCXXA1.0	RF60 5 Micron Element
0060R010BN4HC	RF60DCXXA1.0	RF60 10 Micron Element
0060R020BN4HC	RF60DCXXA1.0	RF60 20 Micron Element
0110R003BN4HC	RF110DCXXA1.0	RF110 3 Micron Element
0110R005BN4HC	RF110DCXXA1.0	RF110 5 Micron Element
0110R010BN4HC	RF110DCXXA1.0	RF110 10 Micron Element
0110R020BN4HC	RF110DCXXA1.0	RF110 20 Micron Element
0160R003BN4HC	RF160DEXXA1.0	RF160 3 Micron Element
0160R005BN4HC	RF160DEXXA1.0	RF160 5 Micron Element
0160R010BN4HC	RF160DEXXA1.0	RF160 10 Micron Element
0160R020BN4HC	RF160DEXXA1.0	RF160 20 Micron Element
0240R003BN4HC	RF240DEXXA1.0	RF240 3 Micron Element
0240R005BN4HC	RF240DEXXA1.0	RF240 5 Micron Element
0240R010BN4HC	RF240DEXXA1.0	RF240 10 Micron Element
0240R020BN4HC	RF240DEXXA1.0	RF240 20 Micron Element
0330R003BN4HC	RF330DLXXA1.0	RF330 3 Micron Element
0330R005BN4HC	RF330DLXXA1.0	RF330 5 Micron Element
0330R010BN4HC	RF330DLXXA1.0	RF330 10 Micron Element
0330R020BN4HC	RF330DLXXA1.0	RF330 20 Micron Element
0660R003BN4HC	RF660DNXXA1.1	RF660 3 Micron Element
0660R005BN4HC	RF660DNXXA1.1	RF660 5 Micron Element
0660R010BN4HC	RF660DNXXA1.1	RF660 10 Micron Element
0660R020BN4HC	RF660DNXXA1.1	RF660 20 Micron Element



FILTRATION

Tank Top Return Filter Housing



- > Up to 15,000 l/min
- > Maximum 25 Bar
- > For Larger or Specialised Applications Contact Us For a Customised Order
- > All Items are Absolute
- > *Flow Rate is Housing Only - Contact Us for Additional Information for Specific Micron Ratings

RFM SERIES HOUSINGS

MODEL	DESCRIPTION	PORT SIZE (BSPP)	MAX PRESSURE BAR	MAX FLOW RATE (l/min)
RFM165BDXXA1.0	4 Bolt - Tank Mounted	1"	10	165*
RFM330BFXXA1.0/G	4 Bolt - Tank Mounted	1 ½"	10	330*
RFM500BFXXA1.0/G	4 Bolt - Tank Mounted	1 ½"	10	550*
RFM661BMXXA1.0/G	4 Bolt - Tank Mounted	SAE DN 65	10	660*
RFM851BMXXA1.0/G	4 Bolt - Tank Mounted	SAE DN 65	10	850*

ACCESSORIES

MODEL	DESCRIPTION	THREAD (BSPP)
VMF2B1	Return Line Indicator - Visual Auto Reset	⅛"
VR2B1	Return Line Indicator - Visual Auto Reset	½"
VR2C1	Return Line Indicator - Electrical	½"
VR2E0	Return Line Indicator - Rear Entry Gauge	½"
313158	Seal Kit RFM165	
1250666	Seal Kit RFM330 & RFM500	
312485	Seal Kit RFM661 & RFM851	

RFM SERIES ELEMENTS

MODEL	HOUSING MODEL	DESCRIPTION
0165R003BN4HC	RFM165BDXXA1.0/-G	RFM165 3 Micron Element
0165R005BN4HC	RFM165BDXXA1.0/-G	RFM165 5 Micron Element
0165R010BN4HC	RFM165BDXXA1.0/-G	RFM165 10 Micron Element
0165R020BN4HC	RFM165BDXXA1.0/-G	RFM165 20 Micron Element
0330R003BN4HC	RFM330BFXXA1.0/-G	RFM330 3 Micron Element
0330R005BN4HC	RFM330BFXXA1.0/-G	RFM330 5 Micron Element
0330R010BN4HC	RFM330BFXXA1.0/-G	RFM330 10 Micron Element
0330R020BN4HC	RFM330BFXXA1.0/-G	RFM330 20 Micron Element
0500R003BN4HC	RFM500BFXXA1.0/-G	RFM500 3 Micron Element
0500R005BN4HC	RFM500BFXXA1.0/-G	RFM500 5 Micron Element
0500R010BN4HC	RFM500BFXXA1.0/-G	RFM500 10 Micron Element
0500R020BN4HC	RFM500BFXXA1.0/-G	RFM500 20 Micron Element
0660R003BN4HC	RFM661BFXXA1.0/-G	RFM660 3 Micron Element
0660R005BN4HC	RFM661BFXXA1.0/-G	RFM660 5 Micron Element
0660R010BN4HC	RFM661BFXXA1.0/-G	RFM660 10 Micron Element
0660R020BN4HC	RFM661BFXXA1.0/-G	RFM660 20 Micron Element
0850R003BN4HC	RFM851BMXXA1.0/-G	RFM850 3 Micron Element
0850R005BN4HC	RFM851BMXXA1.0/-G	RFM850 5 Micron Element
0850R010BN4HC	RFM851BMXXA1.0/-G	RFM850 10 Micron Element
0850R020BN4HC	RFM851BMXXA1.0/-G	RFM850 20 Micron Element



FILTRATION

Tank Top Return Filter Housing

> Comes Complete with 10 Micron Element



SIF SERIES HOUSINGS

MODEL	DESCRIPTION	PORT SIZE (BSPP)	MAX PRESSURE BAR	MAX FLOW RATE (l/min)
SIF.10A10	2 Bolt - Tank Mounted Housing	½"	3	40
SIF.15C10	2 Bolt - Tank Mounted Housing	¾"	3	100
SIF.20C10	2 Bolt - Tank Mounted Housing	1"	3	100
SIF.20D10C	2 Bolt - Tank Mounted Housing	1"	3	100
SIF.25D10C	2 Bolt - Tank Mounted Housing	1 ¼"	3	135
SIF.30G10	2 Bolt - Tank Mounted Housing	1 ½"	3	225

ACCESSORIES

MODEL	DESCRIPTION	THREAD (BSPP)
IND.02616	Return Line Indicator - Gauge 0-12Bar Bottom Entry	⅛"
IND.02629	Return Line Indicator - Gauge 0-12Bar Rear Entry	⅛"

SIF SERIES ELEMENTS

MODEL	HOUSING MODEL	DESCRIPTION
FXR.A3M10K	SIF.10A10	10 Micron Element Absolute
FXR.A3M30K	SIF.10A10	30 Micron Element Nominal
FXR.A6M10C	SIF.15C10	10 Micron Element Absolute
FXR.A6M30C	SIF.15C10	30 Micron Element Nominal
FXR.A6M10AK	SIF.15C10	10 Micron Element Absolute
FXR.A6M10C	SIF.20C10	10 Micron Element Nominal
FXR.A6M30C	SIF.20C10	30 Micron Element Nominal
FXR.A6M10AK	SIF.20C10	10 Micron Element Absolute
FXR.A8M10C	SIF.25D10C	10 Micron Element Nominal
FXR.A8M30C	SIF.25D10C	30 Micron Element Nominal
FXR.A8M10AK	SIF.25D10C	10 Micron Element Absolute
FXR.B2M10CK	SIF.30G10	10 Micron Element Nominal
FXR.B2M30CK	SIF.30G10	30 Micron Element Nominal



FILTRATION

Inline Pressure Filter



- > Up to 130 l/min
- > Maximum 25 Bar
- > All Items are Absolute
- > *Flow Rate is Housing Only - Contact Us for Additional Information for Specific Micron Ratings

MFX INLINE LOW PRESSURE HOUSING

MODEL	PORT SIZE (BSPP)	MAX PRESSURE BAR	MAX FLOW RATE (l/min)
MFX100GCXXBF4.0/B3.5	¾"	50	100*
MFX200GDBF4.X/B3.5	1"	50	130*

MFX INLINE LOW PRESSURE ELEMENTS

MODEL	HOUSING MODEL	DESCRIPTION
0100MX005ECON2/B3.5	MFX100	MFX100 5 MICRON Element
0100MX010ECON2/B3.5	MFX100	MFX100 10 MICRON Element
0100MX020ECON2/B3.5	MFX100	MFX100 20 MICRON Element
0200MX005ECON2/B3.5	MFX200	MFX200 5 MICRON Element
0200MX010ECON2/B3.5	MFX200	MFX200 10 MICRON Element
0200MX020ECON2/B3.5	MFX200	MFX200 20 MICRON Element

ACCESSORIES

MODEL	DESCRIPTION
VL2.5BF0	Differential Visual Indicator



FILTRATION

Inline Pressure Filter



- > New Housings for LF160 - LF660 will be the QPD Versions
- > Up to 660 l/min
- > Maximum 100 Bar
- > All Items are Absolute
- > *Flow Rate is Housing Only - Contact Us for Additional Information for Specific Micron Ratings
- > QPD Housings Must Be Used In Conjunction with QPD Elements

LF INLINE LOW PRESSURE HOUSING

MODEL	PORT SIZE (BSPP)	MAX PRESSURE BAR	MAX FLOW RATE (l/min)
LF30IBXXA1.0	1/2"	100	30*
LF60ICXXA1.0/B6	3/4"	100	80*
LF110ICXXA1.0/B6	3/4"	100	110*
LF160IEXXA1.0/B6-QPD	1 1/4"	100	260*
LF240IEXXA1.0/B6-QPD	1 1/4"	100	280*
LF330IFXXA1.0/B6-QPD	1 1/2"	100	380*
LF660IFXXA1.0/B6-QPD	1 1/2"	100	500*

ACCESSORIES

MODEL	DESCRIPTION	THREAD (BSPP)
VM5BM1	Differential Visual Indicator Manual Reset	1/2"
305791	Seal Kit LF30 & DF30	
1260990	Seal Kit LF60 / 110 & DF60 / 110	
305264	Seal Kit LF160 / 240 & DF160 / 240	
302270	Seal Kit LF330 & DF330	

> SEE PAGE OVER FOR LF INLINE LOW PRESSURE ELEMENTS CONTINUED...

LF INLINE LOW PRESSURE ELEMENTS

MODEL	HOUSING MODEL	DESCRIPTION
0030D003BN4HC	LF30IBXXA1.0/-B6	LF30 3 Micron Element
0030D005BN4HC	LF30IBXXA1.0/-B6	LF30 5 Micron Element
0030D010BN4HC	LF30IBXXA1.0/-B6	LF30 10 Micron Element
0030D020BN4HC	LF30IBXXA1.0/-B6	LF30 20 Micron Element
0060D003BN4HC	LF60ICXXA1.0/-B6	LF60 3 Micron Element
0060D005BN4HC	LF60ICXXA1.0/-B6	LF60 5 Micron Element
0060D010BN4HC	LF60ICXXA1.0/-B6	LF60 10 Micron Element
0060D020BN4HC	LF60ICXXA1.0/-B6	LF60 20 Micron Element
0110D003BN4HC	LF110ICXXA1.0/-B6	LF110 3 Micron Element
0110D005BN4HC	LF110ICXXA1.0/-B6	LF110 5 Micron Element
0110D010BN4HC	LF110ICXXA1.0/-B6	LF110 10 Micron Element
0110D020BN4HC	LF110ICXXA1.0/-B6	LF110 20 Micron Element
0160D003BN4HC	LF160IEXXA1.0/-B6-QPD	LF160 3 Micron Element
0160D003ON-QPD	LF160IEXXA1.0/-B6-QPD	LF160 3 Micron Element - Used In QPD Housing
0160D005BN4HC	LF160IEXXA1.0/-B6-QPD	LF160 5 Micron Element
0160D005ON-QPD	LF160IEXXA1.0/-B6-QPD	LF160 5 Micron Element - Used In QPD Housing
0160D010BN4HC	LF160IEXXA1.0/-B6-QPD	LF160 10 Micron Element
0160D010ON-QPD	LF160IEXXA1.0/-B6-QPD	LF160 10 Micron Element - Used In QPD Housing
0160D020BN4HC	LF160IEXXA1.0/-B6-QPD	LF160 20 Micron Element
0160D020ON-QPD	LF160IEXXA1.0/-B6-QPD	LF160 20 Micron Element - Used In QPD Housing
0240D003BN4HC	LF240IEXXA1.0/-B6-QPD	LF240 3 Micron Element
0240D003ON-QPD	LF240IEXXA1.0/-B6-QPD	LF240 3 Micron Element - Used In QPD Housing
0240D005BN4HC	LF240IEXXA1.0/-B6-QPD	LF240 5 Micron Element
0240D005ON-QPD	LF240IEXXA1.0/-B6-QPD	LF240 5 Micron Element - Used In QPD Housing
0240D010BN4HC	LF240IEXXA1.0/-B6-QPD	LF240 10 Micron Element
0240D010ON-QPD	LF240IEXXA1.0/-B6-QPD	LF240 10 Micron Element - Used In QPD Housing
0240D020BN4HC	LF240IEXXA1.0/-B6-QPD	LF240 20 Micron Element
0240D020ON-QPD	LF240IEXXA1.0/-B6-QPD	LF240 20 Micron Element - Used In QPD Housing
0330D003BN4HC	LF330IFXXA1.0/-B6-QPD	LF330 3 Micron Element
0330D003ON-QPD	LF330IFXXA1.0/-B6-QPD	LF330 3 Micron Element - Used In QPD Housing
0330D005BN4HC	LF330IFXXA1.0/-B6-QPD	LF330 5 Micron Element
0330D005ON-QPD	LF330IFXXA1.0/-B6-QPD	LF330 5 Micron Element - Used In QPD Housing
0330D010BN4HC	LF330IFXXA1.0/-B6-QPD	LF330 10 Micron Element
0330D010ON-QPD	LF330IFXXA1.0/-B6-QPD	LF330 10 Micron Element - Used In QPD Housing
0330D020BN4HC	LF330IFXXA1.0/-B6-QPD	LF330 20 Micron Element
0330D020ON-QPD	LF330IFXXA1.0/-B6-QPD	LF330 20 Micron Element - Used In QPD Housing

> SEE PAGE OVER FOR LF INLINE LOW PRESSURE ELEMENTS CONTINUED...

LF INLINE LOW PRESSURE ELEMENTS CONT.

MODEL	HOUSING MODEL	DESCRIPTION
0660D003BN4HC	LF660IFXXA1.0/-B6-QPD	LF660 3 Micron Element
0660D003ON-QPD	LF660IFXXA1.0/-B6-QPD	LF660 3 Micron Element - Used In QPD Housing
0660D005BN4HC	LF660IFXXA1.0/-B6-QPD	LF660 5 Micron Element
0660D005ON-QPD	LF660IFXXA1.0/-B6-QPD	LF660 5 Micron Element - Used In QPD Housing
0660D010BN4HC	LF660IFXXA1.0/-B6-QPD	LF660 10 Micron Element
0660D010ON-QPD	LF660IFXXA1.0/-B6-QPD	LF660 10 Micron Element - Used In QPD Housing
0660D020BN4HC	LF660IFXXA1.0/-B6-QPD	LF660 20 Micron Element
0660D020ON-QPD	LF660IFXXA1.0/-B6-QPD	LF660 20 Micron Element - Used In QPD Housing



FILTRATION

Inline Pressure Filter



- > New Housings for MDF160 & MDF240 will be the QPD Versions
- > Up To 350 l/min
- > Maximum 280 Bar
- > All Items are Absolute
- > *Flow Rate is Housing Only - Contact Us for Additional Information for Specific Micron Ratings
- > QPD Housings Must Be Used In Conjunction with QPD Elements

MDF INLINE MEDIUM PRESSURE HOUSING

MODEL	PORT SIZE (BSPP)	MAX PRESSURE BAR	MAX FLOW RATE (l/min)
MDF30OBXXA1.0/B6	1/2"	280	30*
MDF60OCXXA1.0/B6	3/4"	280	80*
MDF110OCXXA1.0/B6	3/4"	280	110*
MDF160OEXXA1.0/B6-QPD	1 1/4"	280	260*
MDF240OEXXA1.0/B6-QPD	1 1/4"	280	280*

ACCESSORIES

MODEL	DESCRIPTION	THREAD (BSPP)
VD5BM1	Differential Visual Indicator Manual Reset	1/2"
VD5CO	Return Line Indicator - Electrical 230/240 V AC	1/2"

MDF INLINE MEDIUM PRESSURE ELEMENTS

MODEL	HOUSING MODEL	DESCRIPTION
0030D003BN4HC	MDF30OBXXA1.0/-B6	MDF30 3 Micron Element
0030D005BN4HC	MDF30OBXXA1.0/-B6	MDF30 5 Micron Element
0030D010BN4HC	MDF30OBXXA1.0/-B6	MDF30 10 Micron Element
0030D020BN4HC	MDF30OBXXA1.0/-B6	MDF30 20 Micron Element
0060D003BN4HC	MDF60OCXXA1.0/-B6	MDF60 3 Micron Element
0060D005BN4HC	MDF60OCXXA1.0/-B6	MDF60 5 Micron Element
0060D010BN4HC	MDF60OCXXA1.0/-B6	MDF60 10 Micron Element
0060D020BN4HC	MDF60OCXXA1.0/-B6	MDF60 20 Micron Element
0110D003BN4HC	MDF110OCXXA1.0/-B6	MDF110 3 Micron Element
0110D005BN4HC	MDF110OCXXA1.0/-B6	MDF110 5 Micron Element
0110D010BN4HC	MDF110OCXXA1.0/-B6	MDF110 10 Micron Element
0110D020BN4HC	MDF110OCXXA1.0/-B6	MDF110 20 Micron Element
0160D003BN4HC	MDF160OEXXA1.0/-B6-QPD	MDF160 3 Micron Element
0160D003ON-QPD	MDF160OEXXA1.0/-B6-QPD	MDF160 3 Micron Element - Used In QPD Housing
0160D005BN4HC	MDF160OEXXA1.0/-B6-QPD	MDF160 5 Micron Element
0160D005ON-QPD	MDF160OEXXA1.0/-B6-QPD	MDF160 5 Micron Element - Used In QPD Housing
0160D010BN4HC	MDF160OEXXA1.0/-B6-QPD	MDF160 10 Micron Element
0160D010ON-QPD	MDF160OEXXA1.0/-B6-QPD	MDF160 10 Micron Element - Used In QPD Housing
0160D020BN4HC	MDF160OEXXA1.0/-B6-QPD	MDF160 20 Micron Element
0160D020ON-QPD	MDF160OEXXA1.0/-B6-QPD	MDF160 20 Micron Element - Used In QPD Housing
0240D003BN4HC	MDF240OEXXA1.0/-B6-QPD	MDF240 3 Micron Element
0240D003ON-QPD	MDF240OEXXA1.0/-B6-QPD	MDF240 3 Micron Element - Used In QPD Housing
0240D005BN4HC	MDF240OEXXA1.0/-B6-QPD	MDF240 5 Micron Element
0240D005ON-QPD	MDF240OEXXA1.0/-B6-QPD	MDF240 5 Micron Element - Used In QPD Housing
0240D010BN4HC	MDF240OEXXA1.0/-B6-QPD	MDF240 10 Micron Element
0240D010ON-QPD	MDF240OEXXA1.0/-B6-QPD	MDF240 10 Micron Element - Used In QPD Housing
0240D020BN4HC	MDF240OEXXA1.0/-B6-QPD	MDF240 20 Micron Element
0240D020ON-QPD	MDF240OEXXA1.0/-B6-QPD	MDF240 20 Micron Element - Used In QPD Housing



FILTRATION

Inline Pressure Filter



- > New Housings for MDF160 & MDF240 will be the QPD Versions
- > Up To 2000 l/min
- > Maximum 420 Bar
- > All Items are Absolute
- > *Flow Rate is Housing Only - Contact Us for Additional Information for Specific Micron Ratings
- > QPD Housings Must Be Used In Conjunction with QPD Elements

DF INLINE HIGH PRESSURE HOUSING

MODEL	PORT SIZE (BSPP)	MAX PRESSURE BAR	MAX FLOW RATE (l/min)
DF30TBXXA1.0/B6	1/2"	420	30*
DF60TCXXA1.0/B6	3/4"	420	80*
DF110TCXXA1.0/B6	3/4"	420	110*
DF160TEXXA1.0/B6-QPD	1 1/4"	420	260*
DF240TEXXA1.1/B6-QPD	1 1/4"	420	280*
DF330TFXXA1.0/B6-QPD	1 1/2"	420	450*
DF500TFXXA1.0/B6-QPD	1 1/2"	420	570*
DF660TFXXA1.0/B6-QPD	1 1/2"	420	610*

ACCESSORIES

MODEL	DESCRIPTION	THREAD (BSPP)
VD5BM1	Differential Visual Indicator Manual Reset	1/2"
VD5C0	Return Line Indicator - Electrical 230/240 V AC	1/2"
305791	Seal Kit LF30 & DF30	
1260990	Seal Kit LF60 / 110 & DF60 / 110	
305264	Seal Kit LF160 / 240 & DF160 / 240	
302270	Seal Kit LF330 & DF330	

DF INLINE HIGH PRESSURE ELEMENTS

MODEL	HOUSING MODEL	DESCRIPTION
0030D003BN4HC	DF30TBXXA1.0/B6	DF30 3 Micron Element
0030D005BN4HC	DF30TBXXA1.0/B6	DF30 5 Micron Element
0030D010BN4HC	DF30TBXXA1.0/B6	DF30 10 Micron Element
0030D020BN4HC	DF30TBXXA1.0/B6	DF30 20 Micron Element
0060D003BN4HC	DF60TCXXA1.0/B6	DF60 3 Micron Element
0060D005BN4HC	DF60TCXXA1.0/B6	DF60 5 Micron Element
0060D010BN4HC	DF60TCXXA1.0/B6	DF60 10 Micron Element
0060D020BN4HC	DF60TCXXA1.0/B6	DF60 20 Micron Element
0110D003BN4HC	DF110TCXXA1.0/B6	DF110 3 Micron Element
0110D005BN4HC	DF110TCXXA1.0/B6	DF110 5 Micron Element
0110D010BN4HC	DF110TCXXA1.0/B6	DF110 10 Micron Element
0110D020BN4HC	DF110TCXXA1.0/B6	DF110 20 Micron Element
0160D003BN4HC	DF160TEXXA1.0/B.6-QPD	DF160 3 Micron Element
0160D003ON-QPD	DF160TEXXA1.0/B.6-QPD	DF160 3 Micron Element - Used In QPD Housing
0160D005BN4HC	DF160TEXXA1.0/B.6-QPD	DF160 5 Micron Element
0160D005ON-QPD	DF160TEXXA1.0/B.6-QPD	DF160 5 Micron Element - Used In QPD Housing
0160D010BN4HC	DF160TEXXA1.0/B.6-QPD	DF160 10 Micron Element
0160D010ON-QPD	DF160TEXXA1.0/B.6-QPD	DF160 10 Micron Element - Used In QPD Housing
0160D020BN4HC	DF160TEXXA1.0/B.6-QPD	DF160 20 Micron Element
0160D020ON-QPD	DF160TEXXA1.0/B.6-QPD	DF160 20 Micron Element - Used In QPD Housing
0240D003BN4HC	DF240TEXXA1.1/B.6-QPD	DF240 3 Micron Element
0240D003ON-QPD	DF240TEXXA1.1/B.6-QPD	DF240 3 Micron Element - Used In QPD Housing
0240D005BN4HC	DF240TEXXA1.1/B.6-QPD	DF240 5 Micron Element
0240D005ON-QPD	DF240TEXXA1.1/B.6-QPD	DF240 5 Micron Element - Used In QPD Housing
0240D010BN4HC	DF240TEXXA1.1/B.6-QPD	DF240 10 Micron Element
0240D010ON-QPD	DF240TEXXA1.1/B.6-QPD	DF240 10 Micron Element - Used In QPD Housing
0240D020BN4HC	DF240TEXXA1.1/B.6-QPD	DF240 20 Micron Element
0240D020ON-QPD	DF240TEXXA1.1/B.6-QPD	DF240 20 Micron Element - Used In QPD Housing
0330D003BN4HC	DF330TFXXA1.0/B.6-QPD	DF330 3 Micron Element
0330D003ON-QPD	DF330TFXXA1.0/B.6-QPD	DF330 3 Micron Element - Used In QPD Housing
0330D005BN4HC	DF330TFXXA1.0/B.6-QPD	DF330 5 Micron Element
0330D005ON-QPD	DF330TFXXA1.0/B.6-QPD	DF330 5 Micron Element - Used In QPD Housing
0330D010BN4HC	DF330TFXXA1.0/B.6-QPD	DF330 10 Micron Element
0330D010ON-QPD	DF330TFXXA1.0/B.6-QPD	DF330 10 Micron Element - Used In QPD Housing
0330D020BN4HC	DF330TFXXA1.0/B.6-QPD	DF330 20 Micron Element
0330D020ON-QPD	DF330TFXXA1.0/B.6-QPD	DF330 20 Micron Element - Used In QPD Housing

> SEE PAGE OVER FOR DF INLINE HIGH PRESSURE ELEMENTS CONTINUED....

DF INLINE HIGH PRESSURE ELEMENTS

CONT.

MODEL	HOUSING MODEL	DESCRIPTION
0500D003BN4HC	DF500TFXXA1.0/B.6-QPD	DF660 3 Micron Element
0500D003ON-QPD	DF500TFXXA1.0/B.6-QPD	DF660 3 Micron Element - Used In QPD Housing
0500D005BN4HC	DF500TFXXA1.0/B.6-QPD	DF660 5 Micron Element
0500D005ON-QPD	DF500TFXXA1.0/B.6-QPD	DF660 5 Micron Element - Used In QPD Housing
0500D010BN4HC	DF500TFXXA1.0/B.6-QPD	DF660 10 Micron Element
0500D010ON-QPD	DF500TFXXA1.0/B.6-QPD	DF660 10 Micron Element - Used In QPD Housing
0500D020BN4HC	DF500TFXXA1.0/B.6-QPD	DF660 20 Micron Element
0500D020ON-QPD	DF500TFXXA1.0/B.6-QPD	DF660 20 Micron Element - Used In QPD Housing
0660D003BN4HC	DF660TFXXA1.0/B.6-QPD	DF660 3 Micron Element
0660D003ON-QPD	DF660TFXXA1.0/B.6-QPD	DF660 3 Micron Element - Used In QPD Housing
0660D005BN4HC	DF660TFXXA1.0/B.6-QPD	DF660 5 Micron Element
0660D005ON-QPD	DF660TFXXA1.0/B.6-QPD	DF660 5 Micron Element - Used In QPD Housing
0660D010BN4HC	DF660TFXXA1.0/B.6-QPD	DF660 10 Micron Element
0660D010ON-QPD	DF660TFXXA1.0/B.6-QPD	DF660 10 Micron Element - Used In QPD Housing
0660D020BN4HC	DF660TFXXA1.0/B.6-QPD	DF660 20 Micron Element
0660D020ON-QPD	DF660TFXXA1.0/B.6-QPD	DF660 20 Micron Element - Used In QPD Housing



FILTRATION

Inline Pressure Filter

- > Designed and Manufactured in USA
- > Utilising High Performance and High Quality Media



PALL REPLACEMENT ELEMENTS

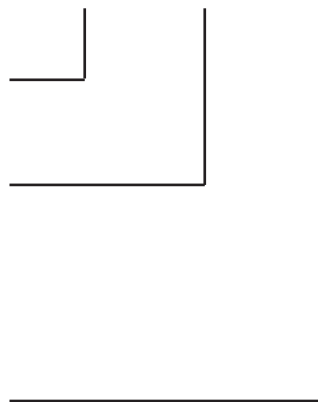
QUALITY FILTRATION ELEMENT CODING EXAMPLE

Q **H9600** **A06** **B16**

PALL SERIES
EG. HC9600

ELEMENT Mu RATING
A03 = 3 Mu Absolute
A06 = 6 Mu Absolute
A12 = 12 Mu Absolute
A25 = 25 Mu Absolute

ELEMENT LENGTH
B04 = 4"
B08 = 8"
B13 = 13"
B16 = 16"
B26 = 26"





FILTRATION

Spin On Filter

- > Up To 300 l/min
- > Maximum 8 Bar
- > *Flow Rate is Housing Only - Contact Us for Additional Information for Specific Micron Ratings



MF LOW PRESSURE HOUSING

MODEL	DESCRIPTION	PORT SIZE (BSPP)	MAX PRESSURE BAR	MAX FLOW RATE (l/min)
MF80AGCXXA0.0/-B1.7	1.7Bar Bypass - ISO 228 Thread	¾"	8	80*
MF80AUCXXA0.0/-B1.7	1.7Bar Bypass - UN 1-12 Thread	¾"	8	80*
MF160AGEXXA0.0	In Line Spin On Filter Head	1 ¼"	8	160*
MF160AGEXXA0.0/-B02	0.2Bar Bypass	1 ¼"	8	160*

MF LOW PRESSURE ELEMENTS

MODEL	HOUSING MODEL	DESCRIPTION	ELEMENTS REQUIRED
0080MG010P	MF80AGCXXA0.0/-B1.7	MF80AGC 10 Micron Spin On Element - Nominal	1
0080MA010P	MF80AUCXXA0.0/-B1.7	MF80AUC 10 Micron Spin On Element - Nominal	1
0080MA010BN	MF80AUCXXA0.0/-B1.7	MF80AUC 10 Micron Spin On Element - Absolute	1
0160MG010P	MF160AGEXXA0.0	MF160 10 Micron Spin On Element - Nominal	1
0160MA010P	MF160AGEXXA0.0/-B02	MF160 10 Micron Spin On Element - Nominal	1

ACCESSORIES

MODEL	DESCRIPTION	THREAD (BSPP)
VMF2B1	Return Line Indicator - Visual Auto Reset	⅛"



FILTRATION

Spin On Filter

- > Up To 300 l/min
- > Maximum 8 Bar
- > All Items are Absolute
- > *Flow Rate is Housing Only - Contact Us for Additional Information for Specific Micron Ratings



MFD LOW PRESSURE HOUSING

MODEL	DESCRIPTION	PORT SIZE (BSPP)	MAX PRESSURE BAR	MAX FLOW RATE (l/min)
MFD160AUFXX0.0/B0.25	Double Head 0.25Bar Bypass (Top & Bottom)	1 ½"	8	160*

MFD LOW PRESSURE ELEMENTS

MODEL	HOUSING MODEL	DESCRIPTION	ELEMENTS REQUIRED
0180MA010BN	MFD160AUFXX0.0/B0.25	MFD/S160 10 Micron Spin On Element	2
0180MA020BN	MFD160AUFXX0.0/B0.25	MFD/S160 20 Micron Spin On Element	2

ACCESSORIES

MODEL	DESCRIPTION	THREAD (BSPP)
VMF2B1	Return Line Indicator - Visual Auto Reset	½"



FILTRATION

Spin On Filter

- > Up To 300 l/min
- > Maximum 8 Bar
- > All Items are Absolute
- > *Flow Rate is Housing Only - Contact Us for Additional Information for Specific Micron Ratings



MFDS LOW PRESSURE HOUSING

MODEL	DESCRIPTION	PORT SIZE (BSPP)	MAX PRESSURE BAR	MAX FLOW RATE (l/min)
MFDS160GFA1.X/-5.1	Double Head (Side By Side)	1 ½"	8	160*

MFDS LOW PRESSURE ELEMENTS

MODEL	HOUSING MODEL	DESCRIPTION	ELEMENTS REQUIRED
0180MA003BN	MFDS160GFA1.X/-5.1	MFD/S160 3 Micron Spin On Element	2

ACCESSORIES

MODEL	DESCRIPTION	THREAD (BSPP)
VMF2B1	Return Line Indicator - Visual Auto Reset	1/8"



FILTRATION

Spin On Filter



- > Up To 300 l/min
- > Maximum 8 Bar
- > *Flow Rate is Housing Only - Contact Us for Additional Information for Specific Micron Ratings

HEAD

MODEL	DESCRIPTION	PORT SIZE (BSPP)	MAX PRESSURE BAR
THL.10ST2	Spin on Filter Head Return	3/4"	1.7
THL.20ST1	Spin on Filter Head Suction	1 1/4"	0.25
THL.20ST2	Spin on Filter Head Return	1 1/4"	1.7
THL.20ST3	Spin on Filter Head Suction	1 1/4"	No Bypass
THL.30ST2	Spin on Filter Head Double Opposed Return	1 1/2"	1.7
THL.40ST2	Spin on Filter Head Double Side / Side Return	1 1/2"	1.7

ELEMENTS

MODEL	HEAD	MICRON	LENGTH	NOMINAL FLOW (l/min)
FHL.1A10	3/4"	10 ABS	STD	50
FHL.1M10	3/4"	10	STD	65
FHL.2M10	3/4"	10	LONG	80
FHL.2M25	3/4"	25	LONG	90
FHL.3A10	1 1/4"	10 ABS	STD	130
FHL.3M10	1 1/4"	10	STD	150
FHL.3M25	1 3/4"	25	STD	170
FHL.4A10	1 1/4"	10 ABS	LONG	140
FHL.4M10	1 1/4"	10	LONG	160
FHL.4M25	1 1/4"	25	LONG	190

ACCESSORIES

MODEL	DESCRIPTION
IND.02616	Clogging Indicator Pressure Bottom Entry



FILTRATION

Suction Strainer

- > *Flow Rate is Housing Only - Contact Us for Additional Information for Specific Micron Ratings
- > Steel Cap No Clogging Indicator



S SERIES

MODEL	DESCRIPTION	PORT SIZE (BSP)	MAX FLOW RATE (l/min)
0015S125W	Suction Strainer No Bypass	1/2"	15*
0025S125W	Suction Strainer No Bypass	3/4"	25*
0050S125W	Suction Strainer No Bypass	1"	50*
0100S125W	Suction Strainer No Bypass	1 1/2"	100*
0180S125W	Suction Strainer No Bypass	2"	180*

S SERIES WITH BYPASS

MODEL	DESCRIPTION	PORT SIZE (BSP)	MAX FLOW RATE (l/min)
0015S125W/B0.2	Suction Strainer with 0.2 Bar Bypass	1/2"	15*
0025S125W/B0.2	Suction Strainer with 0.2 Bar Bypass	3/4"	25*
0050S125W/B0.2	Suction Strainer with 0.2 Bar Bypass	1"	50*
0100S125W/B0.2	Suction Strainer with 0.2 Bar Bypass	1 1/2"	100*
0180S125W/B0.2	Suction Strainer with 0.2 Bar Bypass	2"	180*



FILTRATION

Suction Strainer



F1 SERIES

MODEL	PORT SIZE (BSPP)	NOMINAL FLOW (l/min)	DIAMETER & LENGTH	MICRON
FI3.15M90	¾"	28	69 x 93	90
FI4.20M90	1"	45	69 x 142	90
FI5.30M90	1 ¼"	70	100 x 143	90
FI6.40M90	1 ½"	100	100 x 230	90
FI7.65M90	2"	220	140 x 260	90
FI8.65M90	2 ½"	300	140 x 268	90

FR SERIES

MODEL	PORT SIZE (BSPP)	NOMINAL FLOW (l/min)	DIAMETER & LENGTH	MICRON
FR8.04488	1 ½"	100	89 x 145	100
FR8.04493	3"	500	150 x 270	100



COUPLINGS



COUPLINGS

Index

PRODUCT	BRAND	MODEL	PAGE
<u>Aluminium Drive Coupling</u>	RB Hydraulics	<u>Coupling Spider</u>	<u>255</u>
<u>Aluminium Drive Coupling</u>	RB Hydraulics	<u>Electric Motor Drive Half</u>	<u>256</u>
<u>Aluminium Drive Coupling</u>	RB Hydraulics	<u>Pump Drive Half</u>	<u>257</u>
<u>Spline Coupling Weld In Hub</u>	OEM	<u>Spline Coupling Weld In Hub</u>	<u>259</u>
<u>Slip Sleeve / Reducing Adaptor</u>	OEM	<u>Slip Sleeve / Reducing Adaptor</u>	<u>260</u>
<u>Clamp Locks</u>	OEM	<u>Weld Hub, Companion Flange</u>	<u>261</u>
<u>Spline Shafts</u>	OEM	<u>Spline Shafts</u>	<u>262</u>



COUPLINGS

Aluminium Drive Coupling



COUPLING SPIDER

MODEL	SERIES	TORQUE RATING (Nm)	MAX RPM	MAX O/D (mm)
RB ER100	HC100	20	14000	42
RB ER200	HC200	90	10500	55
RB ER300	HC300	160	8500	65
RB ER500	HC500	450	6000	95
RB ER700	HC700	625	5100	120



COUPLINGS

Aluminium Drive Coupling



ELECTRIC MOTOR DRIVE HALF

MODEL	FRAME	4 POLE (Kw)	SHAFT DIA (mm)
-------	-------	-------------	----------------

> HUB SERIES HC100

RB HC1110	D63	0.12 - 0.25	11
RB HC1140	D71	0.25 - 0.37	14
RB HC1190	D80	0.55 - 0.75	19

> HUB SERIES HC200

RB HC2190	D80	0.55 - 0.75	19
RB HC2240	D90	1.1 - 1.5	24
RB HC2280	D100/112	2.2 - 4.0	28

> HUB SERIES HC300

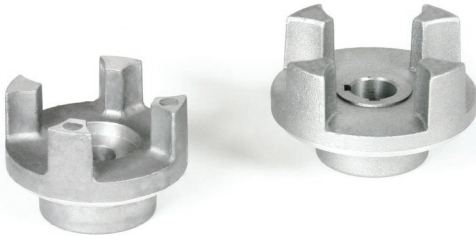
RB HC3190	D80	0.55 - 0.75	19
RB HC3240	D90	1.1 - 1.5	24
RB HC3280	D100/112	2.2 - 4.0	28

> HUB SERIES HC500

RB HC5380	D132	5.5 - 12.5	38
RB HC5420	D160	11.0 - 15.0	42
RB HC5480	D180	18.5 - 22.0	48

> HUB SERIES HC700

RB HC7420	D160	11.0 - 15.0	42
RB HC7550	D200	30	55
RB HC7600	D225	37.0 - 45.0	60
RB HC7650	D250	55	65



COUPLINGS

Aluminium Drive Coupling



PUMP DRIVE HALF

MODEL	PUMP TYPE	SHAFT SIZE	KEY SIZE
-------	-----------	------------	----------

> HUB SERIES HC100

RB HC101A	Group 1 Euro	1:8 Taper	
RB HC101B	Group 1.5 Euro	1:8 Taper	
RB HC101D	Group 1 Euro	1:5 Taper	
RB HC105A	-	6mm Keyed	2mm
RB HC112HA030	-	½" Keyed	⅛"
RB HC119MC050	-	¾" Keyed	⅜"

> HUB SERIES HC200

RB HC201A	Group 1 Euro	1:8 Taper	
RB HC201B	Group 1.5 Euro	1:8 Taper	
RB HC201D	Group 1 Euro	1:5 Taper	
RB HC202AB	Group 2 Euro	1:8 Taper	3.2/4mm
RB HC212HC048	-	½" Keyed	⅛"
RB HC215LC048	-	⅝" Keyed	4mm
RB HC219MC048	-	¾" Keyed	⅜"
RB HC222NC048	-	⅞" Keyed	¼"
RB HC225NC048	-	1" Keyed	¼"

> HUB SERIES HC300

RB HC301A	Group 1 Euro	1:8 Taper	
RB HC302AB	Group 2 Euro	1:8 Taper	3.2/4mm
RB HC303A	Group 3 Euro	1:8 Taper	4mm
RB HC309TH	-	⅝" 9T Spline	
RB HC312HC048	-	½" Keyed	⅛"
RB HC315LC048	-	⅝" Keyed	4mm
RB HC315MC048	-	⅞" Keyed	⅜"
RB HC319MC048	-	¾" Keyed	⅜"
RB HC322NC048	-	⅞" Keyed	¼"
RB HC325AC048	-	25mm Keyed	8mm
RB HC325NC048	-	1" Keyed	¼"

> SEE PAGE OVER FOR PUMP DRIVE HALF CONTINUED...

PUMP DRIVE HALF CONT.

MODEL	PUMP TYPE	SHAFT SIZE	KEY SIZE
> HUB SERIES HC500			
RB HC502AB	Group 2 Euro	1:8 Taper	3.2mm / 4mm
RB HC503A	Group 3 Euro	1:8 Taper	4mm
RB HC522NC048	-	7/8" Keyed	1/4"
RB HC525AC048	-	25mm Keyed	8mm
RB HC525NC048	-	1" Keyed	1/4"
> HUB SERIES HC700			
RB HC703A	Group 3 Euro	1:8 Taper	4mm
RB HC731PC065	-	1 1/4" Keyed	5/16"



COUPLINGS

Spline Coupling Weld-In Hub



OEM DYNAMICS

SPLINE COUPLING WELD-IN HUB

MODEL	NO. TEETH	NOMINAL O.D	HUB LENGTH	HUB DIA.
94/50005	6	1"	1.75"	2"
94/50033	6	1 3/8"	2.50"	2.50"
94/50001	9	5/8"	1.25"	1.25"
94/500139	10	17mm	1.50"	1.50"
94/50002	11	3/4"	1.50"	1.50"
94/50003	13	7/8"	1.50"	1.50"
94/50008	13	1 3/4"	2.25"	3"
94/50035	14	20mm	1.50"	1.50"
94/50006	14	1 1/4"	2"	2.25"
94/50004	15	1"	1.75"	1.75"
94/50037	15	2"	3"	3.25"
94/50068	16	30mm	2"	2.25"
94/50011	16	35mm	2"	2.25"
94/50039	16	1.7"	2.25"	2.75"
94/50040	16	2 1/8"	2.96"	3.50"
94/50027	17	1 1/8"	2"	2.25"
94/50032	17	1 1/2"	2.25"	2.50"
94/50021	18	35mm	2.12"	2.25"
94/50041	18	40mm	2.25"	3"
94/50069	19	1 1/4"	2"	2.50"
94/50007	21	1 3/8"	2.12"	2.25"
94/50042	21	45mm	2.25"	3"
94/50043	23	1 1/2"	2.12"	2.25"
94/50009	27	1 3/4"	2.12"	3"
94/60005	6	1"	2.75"	1.375"
94/60033	6	1 3/8"	3.75"	1.375"
94/60001	9	5/8"	2"	1.375"
94/60002	11	3/4"	2"	1.375"
94/60003L	13	7/8"	3"	1.375"
94/60006	14	1 1/4"	3"	1.750"
94/60004	15	1"	3"	1.750"



COUPLINGS

Slip Sleeve / Reducing Adaptor



OEM DYNAMICS

SLIP SLEEVE / REDUCING ADAPTOR

MODEL	MALE SPLINE	FEMALE SPLINE	OVERALL LENGTH
58/03/01369	13T 7/8"	9T 5/8"	1.312"
58/03/01698	14T 1 1/4"	13T 7/8"	1.500"
58/03/20003	13T 1 3/4"	13T 7/8"	1.375"
58/03/20006	13T 1 3/4"	14T 1 1/4"	1.200"
58/03/20007	13T 1 3/4"	21T 1 3/8"	1.200"



COUPLINGS

Clamp Locks



OEM DYNAMICS

WELD HUB

MODEL	NO. TEETH	NOMINAL O.D
84/03/CLB03	13	7/8"
84/03/CLC06	14	1 1/4"
84/03/CLBM04	15	1"
84/03/CLC07	21	1 3/8"
84/03/CLC43	23	1 1/2"



COMPANION FLANGE

MODEL	NO. TEETH	NOMINAL O.D
84/F3CLD08	13	1.750"
84/F3CLB03	13	0.875"
84/F3CLC06	14	1 1/4"
84/F3CLC04	15	1"
84/F3CLC07	21	1.375"
84/F3CLC43	23	1.500"



COUPLINGS

Spline Shafts



DEM DYNAMICS

SPLINE SHAFTS

MODEL	NO. TEETH	NOMINAL O.D	SHAFT LENGTH
94/70005S	6	1"	8"
94/70005	6	1"	10"
94/70001	9	$\frac{5}{8}$ "	6"
94/70003	13	$\frac{7}{8}$ "	6"
94/70008	13	1 $\frac{3}{4}$ "	8"
94/70006	14	1 $\frac{1}{4}$ "	8"
94/70004	15	1"	8"
94/70040	16	2 $\frac{1}{8}$ "	8"
94/70032	17	1 $\frac{1}{2}$ "	8"
94/70007	21	1 $\frac{3}{8}$ "	8"
94/70043	23	1 $\frac{1}{2}$ "	8"
94/70045	24	50mm	203mm
94/70048	26	2 $\frac{1}{4}$ "	8"
94/70009	27	1 $\frac{3}{4}$ "	8"

BELL HOUSING



BELL HOUSING

Index

PRODUCT	BRAND	MODEL	PAGE
<u>Bell Housing - Petrol Engine</u>	<u>RB Hydraulics</u>	<u>Male Spigot, Female Spigot</u>	<u>265</u>
<u>Bell Housing - Electric Motor</u>	<u>RB Hydraulics</u>	<u>Electric Motor</u>	<u>266</u>
<u>Bell Housing - Electric Motor</u>	<u>RB Hydraulics</u>	<u>Modular Base</u>	<u>267</u>
<u>Bell Housing - Electric Motor</u>	<u>RB Hydraulics</u>	<u>Noiseless Bass</u>	<u>268</u>
<u>Bell Housing - Electric Motor</u>	<u>RB Hydraulics</u>	<u>Modular Adaptor Flange</u>	<u>269</u>



BELL HOUSING

Petrol Engine



MALE SPIGOT

MODEL	PUMP MOUNT	ENGINE HP	SPIGOT DIA (mm)	PCD DIA (mm)
RB BHE111C02	GROUP 1 EURO	3 - 5.5	40.3 MALE	92
RB BHE112082A	SAE A	3 - 5.5	40.3 MALE	92
RB BHE112C02	GROUP 1 EURO	3 - 5.5	40.3 MALE	92
RB BHE112C04	GROUP 2 EURO	3 - 5.5	40.3 MALE	92



FEMALE SPIGOT

MODEL	PUMP MOUNT	ENGINE HP	SPIGOT DIA (mm)	PCD DIA (mm)
RB BHE152082A	SAE A 2 BOLT	7 - 18	146 FEMALE	127
RB BHE152C02	GROUP 1 EURO	7 - 18	146 FEMALE	127
RB BHE152C04	GROUP 2 EURO	7 - 18	146 FEMALE	127
RB BHE172082A	SAE A 2 BOLT	18	163.5 FEMALE	127
RB BHE172C04	GROUP 2 EURO	18	163.5 FEMALE	127
RB BHE223A082A	SAE A 2 BOLT	18+	146.05 FEMALE	196.85 (30/45° OFFSET)
RB BHE223AC04	GROUP 2 EURO	18+	146.05 FEMALE	196.85 (30/45° OFFSET)
RB BHE223C082A	SAE A 2 BOLT	18+	177.8 (7") FEMALE	196.85 (30/45° OFFSET)
RB BHE223CC04	GROUP 2 EURO	18+	177.8 (7") FEMALE	196.85 (30/45° OFFSET)



BELL HOUSING

Electric Motor



ELECTRIC MOTOR

MODEL	PUMP MOUNT	FRAME	Kw
RB BH161C01	GROUP 0.5 EURO	D71	0.25 - 0.37
RB BH161C02	GROUP 1 EURO	D71	0.25 - 0.37
RB BH161C03	GROUP 1.5 EURO	D71	0.25 - 0.37
RB BH20203	GROUP 1.5 EURO	D80/90	0.55 - 1.5
RB BH202C04	GROUP 2 EURO	D80/90	0.55 - 1.5
RB BH202M0204	GROUP 1-2 EURO	D80/90	0.55 - 1.5
RB BH202082A	SAE A 2 BOLT	D80/90	0.55 - 1.5
RB BH25203	GROUP 1.5 EURO	D100/112	2.2 - 4.0
RB BH252C04	GROUP 2 EURO	D100/112	2.2 - 4.0
RB BH252M0204	GROUP 1-2 EURO	D100/112	2.2 - 4.0
RB BH252082A	SAE A 2 BOLT	D100/112	2.2 - 4.0
RB BH25217	GROUP 2 BOSCH 4 BOLT	D100/112	2.2 - 4.0
RB BH303C04	GROUP 2 EURO	D132	5.5 - 9.0
RB BH303C05	GROUP 3 EURO	D132	5.5 - 9.0
RB BH303M0406	GROUP 2-3 EURO	D132	5.5 - 9.0
RB BH303082A	SAE A 2 BOLT	D132	5.5 - 9.0
RB BH303101B	SAE B 2 BOLT	D132	5.5 - 9.0



BELL HOUSING

Electric Motor

- > Base Only
- > Adaptor Flange Extra



MODULAR BASE

MODEL	FRAME	Kw	ADAPTOR FLANGE
RB B300A	D132	5.5 - 9.0	F24A
RB B350A	D160/180	11.0 - 22.0	F24A
RB B400A	D200	30.0	F24A
RB B450A	D225	37.0 - 45.0	F24A
RB B450B	D225	37.0 - 45.0	F34A
RB B550B	D250/280	55.0 - 90.0	F34A



BELL HOUSING

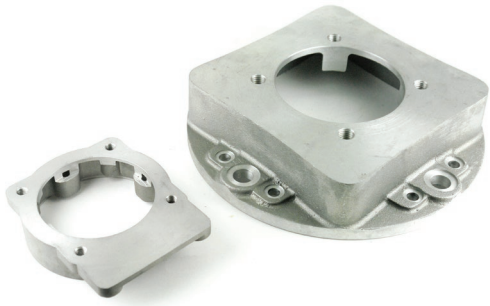
Electric Motor

- > Base Only
- > Adaptor Flange Extra



NOISELESS BASE

MODEL	FRAME	Kw	ADAPTOR FLANGE
RB BHP140	D63	0.12 - 0.25	F10A/F10B
RB BHP160	D71	0.25 - 0.37	F10A/F10B
RB BHP200	D80/90	0.55 - 1.5	F10A/F10B
RB BHP250	D100/112	2.2 - 4.0	F10A/F10B
RB BHP300	D132	5.5 - 9.0	F24A
RB BHP350	D160/180	11.0 - 22.0	F24A



BELL HOUSING

Electric Motor



MODULAR ADAPTOR FLANGE

MODEL

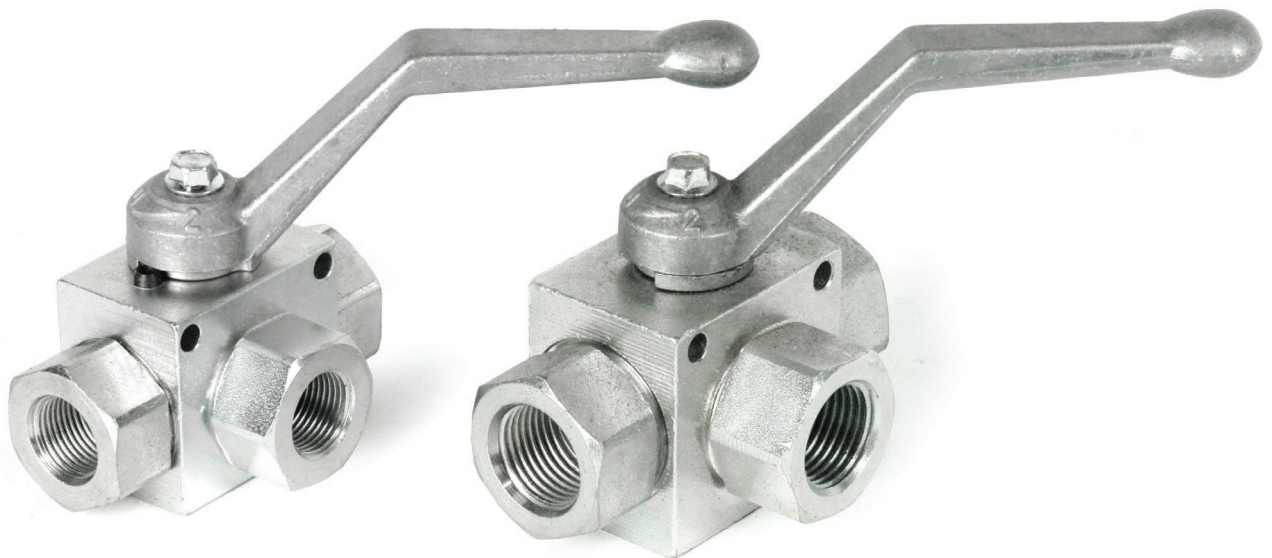
PUMP MOUNT

SPIGOT (mm)

RB F10A1MM	GROUP 1.5 EURO	30
RB F10A1PM	GROUP 1 EURO	25.4
RB F10B04	GROUP 2 EURO	36.5
RB F10B080U	GROUP 2 BOSCH 4 BOLT	80
RB F10B082A	SAE A 2 BOLT	82.5
RB F24A03304	GROUP 2 EURO	36.5
RB F24A03305	GROUP 3 EURO	50.8
RB F24A046101B	SAE B 2 BOLT	101.6
RB F24A046101D	SAE B 4 BOLT	101.6
RB F24A046127A	SAE C 2 BOLT	127
RB F24A046127C	SAE C 4 BOLT	127
RB F24A059127A	SAE C 2 BOLT	127
RB F34A046127A	SAE C 2 BOLT	127
RB F34A046127C	SAE C 4 BOLT	127
RB F34A059152F	SAE D 4 BOLT	152.4
RB F34B059165D	SAE E 4 BOLT	165.1



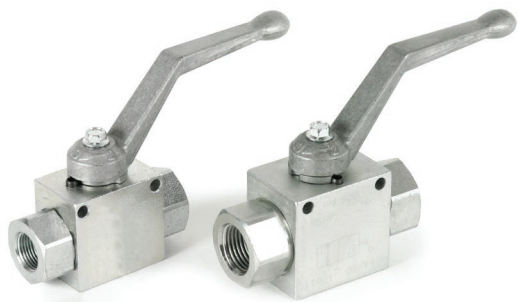
LINE MOUNT VALVES



LINE MOUNT VALVES Index

PRODUCT	BRAND	MODEL	PAGE
Ball Valve	MTC	Ball Valve 2 Way	274
Ball Valve	MTC	Ball Valve 3 Way 'L' Port, Ball Valve 3 Way 'T' Port	275
Inline Check Valve	MTC	Inline Check Valve 0.5 Bar, 4 Bar	276
Inline Check Valve	MTC	Inline Pilot Operated Check Valve	277
Dual Pilot Operated Check Valve	MTC	Dual Pilot Operated Check Valve	278
Dual Pilot Operated Check Valve	MTC	Banjo with Tube	279
Dual Pilot Operated Check Valve	MTC	Banjo Bolts	279
Dual Pilot Operated Check Valve	MTC	Bonded Washers	279
Dual Pilot Operated Check Valve	MTC	Banjo End	279
Needle Valve	MTC	Inline Needle Valve	280
Flow Control	MTC	Inline Flow Control	281
Flow Control	MTC	Pressure Compensated Inline Flow Control	281
Flow Control	MTC	3 Port Priority - Excess to Pressure	282
Flow Control	MTC	3 Port Priority - Excess to Tank	282
Flow Control	Brand	3 Port Priority - Excess to Pressure	283
Flow Control	Hoyea	3 Port Priority - Excess to Pressure	284
Flow Control	Hoyea	3 Port Priority Relief - Excess to Pressure	285
Velocity Fuse	MTC	Velocity Fuse Insert	286
Velocity Fuse	MTC	Inline Velocity Fuse	286
Shuttle Valve	MTC	Shuttle Valve	287
Shuttle Valve	HCV	Shuttle Valve	287
Cartridge Flow Divider	Brand	Flow Divider	288
Cartridge Flow Divider	HCV	Flow Divider / Combiner	288
Cartridge Flow Divider	MTC	Flow Divider / Combiner 50/50	289

PRODUCT	BRAND	MODEL	PAGE
Relief Valve	MTC	3 Port Relief Valve	290
Relief Valve	HCV	3 Port Relief Valve	290
Crossline Relief Valve	MTC	Crossline Relief Valve	291
Crossline Relief Valve	HCV	4 Port Crossline Relief Valve	292
Crossline Relief Valve	HCV	5 Port Crossline Relief Valve	292
Counter Balance Valve (Over Centre Valve)	MTC	Single Over Centre Valve	293
Counter Balance Valve (Over Centre Valve)	MTC	Dual Over Centre Valve	293



LINE MOUNT VALVE

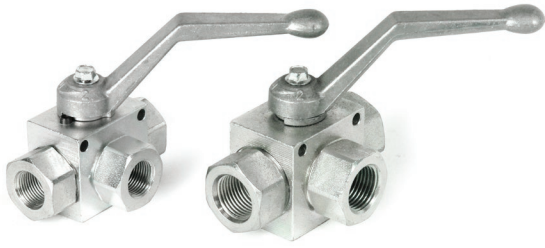
Ball Valve

- > High Pressure with Mounting Holes
- > Complete with Handle



BALL VALVE 2 WAY

MODEL	PORT SIZE (BSPP)	NOMINAL FLOW (l/min)	MAX PRESSURE BAR
MTC-RSAP2V01FF	1/4"	30	500
MTC-RSAP2V02FF	3/8"	50	500
MTC-RSAP2V03FF	1/2"	80	500
MTC-RSAP2V04FF	3/4"	120	350
MTC-RSAP2V05FF	1"	160	350
MTC-RSAP2V06FF	1 1/4"	160	280
MTC-RSAP2V07FF	1 1/2"	160	220



LINE MOUNT VALVE

Ball Valve

- > High Pressure with Mounting Holes
- > Complete with Handle



BALL VALVE 3 WAY 'L' PORT

MODEL	PORT SIZE (BSPP)	NOMINAL FLOW (l/min)	MAX PRESSURE BAR
-------	------------------	----------------------	------------------

MTC-RSAP3V01L	¼"	30	380
MTC-RSAP3V02L	⅜"	50	380
MTC-RSAP3V03L	½"	80	320
MTC-RSAP3V04L	¾"	120	300
MTC-RSAP3V05L	1"	160	280
MTC-RSAP3V06L	1 ¼"	160	240

BALL VALVE 3 WAY 'T' PORT

MODEL	PORT SIZE (BSPP)	NOMINAL FLOW (l/min)	MAX PRESSURE BAR
-------	------------------	----------------------	------------------

MTC-RSAP3V01T	¼"	30	380
MTC-RSAP3V02T	⅜"	50	380
MTC-RSAP3V03T	½"	80	320
MTC-RSAP3V04T	¾"	120	300
MTC-RSAP3V05T	1"	160	280
MTC-RSAP3V06T	1 ¼"	160	240



LINE MOUNT VALVE

Inline Check Valve



INLINE CHECK VALVE 0.5 BAR

MODEL	PORT SIZE (BSP)	NOMINAL FLOW (l/min)	CRACKING BAR	MAX PRESSURE BAR
MTC-VUR01C	1/4"	30	0.5	400
MTC-VUR02C	3/8"	50	0.5	400
MTC-VUR03C	1/2"	90	0.5	350
MTC-VUR04C	3/4"	130	0.5	300
MTC-VUR05C	1"	180	0.5	270
MTC-VUR06C	1 1/4"	250	0.5	250
MTC-VUR07C	1 1/2"	380	0.5	200

INLINE CHECK VALVE 4 BAR

MODEL	PORT SIZE (BSP)	NOMINAL FLOW (l/min)	CRACKING BAR	MAX PRESSURE BAR
MTC-VUR01C4	1/4"	30	4	400
MTC-VUR02C4	3/8"	50	4	400
MTC-VUR03C4	1/2"	90	4	350
MTC-VUR04C4	3/4"	130	4	300
MTC-VUR05C4	1"	180	4	270
MTC-VUR06C4	1 1/4"	250	4	250
MTC-VUR07C4	1 1/2"	380	4	200



LINE MOUNT VALVE

Inline Check Valve



INLINE PILOT OPERATED CHECK VALVE

MODEL	PORT SIZE (BSPP)	NOMINAL FLOW (l/min)	MAX PRESSURE BAR
MTC-VBPS02	$\frac{3}{8}$ "	40	350
MTC-VBPS03	$\frac{1}{2}$ "	60	350
MTC-VBPS04	$\frac{3}{4}$ "	90	300



LINE MOUNT VALVE

Dual Pilot Operated Check
Valve



DUAL PILOT OPERATED CHECK VALVE

MODEL	PORT SIZE (BSPP)	NOMINAL FLOW (l/min)	MAX PRESSURE BAR
MTC-VRDE01A	1/4"	30	350
MTC-VRDE02A	3/8"	50	300
MTC-VRDE025A	1/2"	50	300



LINE MOUNT VALVE

Dual Pilot Operated Check Valve



BANJO WITH TUBE

MODEL	PORT SIZE (BSPP)	TUBE SIZE (mm)	MAX PRESSURE BAR	TUBE LENGTH (mm)
MTC-402026	1/4"	12	350	200
MTC-402015	3/8"	12	350	200
MTC-402031	1/2"	15	350	200
MTC-402033	1/2"	15	350	400

BANJO BOLTS

MODEL	DESCRIPTION
MTC-402040	Banjo Bolt 1/4" BSPP 13 x 26 x 33
MTC-402041	Banjo Bolt 3/8" BSPP 15 x 31 x 39
MTC-402043	Banjo Bolt 1/2" BSPP 18 x 38 x 46

BONDED WASHERS

MODEL	DESCRIPTION
MTC-440068	Bonded Washer 1/4" BSPP
MTC-440045	Bonded Washer 3/8" BSPP
MTC-440070	Bonded Washer 1/2" BSPP

BANJO END

MODEL	PORT SIZE (BSPP)	DESCRIPTION
MTC-402017DO	3/8"	Banjo only with Cutting Ring + Nut



LINE MOUNT VALVE Needle Valve

> Inline Restrictive Both Ways



INLINE NEEDLE VALVE

MODEL	PORT SIZE (BSPP)	NOMINAL FLOW (l/min)	MAX PRESSURE BAR
<u>MTC-VRFB9001</u>	1/4"	30	350
<u>MTC-VRFB9002</u>	3/8"	40	350
<u>MTC-VRFB9003</u>	1/2"	50	350
<u>MTC-VRFB9004</u>	3/4"	80	320
<u>MTC-VRFB9005</u>	1"	110	300



LINE MOUNT VALVE

Flow Control

> Inline Restrictive with Free Reverse Flow



INLINE FLOW CONTROL

MODEL	PORT SIZE (BSPP)	NOMINAL FLOW (l/min)	MAX PRESSURE BAR
MTC-VRFU9001	1/4"	30	350
MTC-VRFU9002	3/8"	40	350
MTC-VRFU9003	1/2"	50	350
MTC-VRFU9004	3/4"	80	320
MTC-VRFU9005	1"	110	300



> Inline Restrictive Pressure Compensated with Free Reverse Flow

PRESSURE COMPENSATED INLINE FLOW CONTROL

MODEL	PORT SIZE (BSPP)	NOMINAL FLOW (l/min)	MAX PRESSURE BAR
MTC-VRFU9002C	3/8"	30	300
MTC-VRFU9003C	1/2"	45	250



LINE MOUNT VALVE

Flow Control



- > Priority 3 Way Flow Control -Excess to Pressure
- > Pressure Compensated

3 PORT PRIORITY - EXCESS TO PRESSURE

MODEL	PORT SIZE (BSPP)	NOMINAL FLOW (l/min)	MAX ADJUSTED FLOW (l/min)	MAX PRESSURE BAR
MTC-RFP02	3/8"	50	28	210
MTC-RFP03	1/2"	85	50	210
MTC-RFP03B	1/2"	85	50	210
MTC-RFP04	3/4"	150	90	210



- > Priority 3 Way Flow Control -Excess to Tank
- > Pressure Compensated

3 PORT PRIORITY - EXCESS TO TANK

MODEL	PORT SIZE (BSPP)	NOMINAL FLOW (l/min)	MAX ADJUSTED FLOW (l/min)	MAX PRESSURE BAR
MTC-RFP02/SD	3/8"	52	28	210
MTC-RFP03/SD	1/2"	85	50	210



LINE MOUNT VALVE Flow Control

- > Priority 3 Way Flow Control -Excess to Pressure
- > Pressure Compensated



3 PORT PRIORITY - EXCESS TO PRESSURE

MODEL	PORT SIZE (UNO)	STD FLOW RATE (l/min)	MAX PRESSURE BAR
FC51-10SS	7/8" UNO	0-60	207
FC51-12SS	1 1/16" UNO	0-114	207



LINE MOUNT VALVE

Flow Control

- > Priority 3 Way Flow Control -Excess to Pressure
- > Pressure Compensated



3 PORT PRIORITY - EXCESS TO PRESSURE

MODEL	PORT SIZE (BSPP)	STD FLOW RATE (l/min)	MAX PRESSURE BAR
FC51-10	1/2"	0-60	207
FC51-12	3/4"	0-114	207



LINE MOUNT VALVE

Flow Control

- > Priority 3 Way Flow Control -Excess to Pressure
- > Complete with Relief
- > Pressure Compensated



3 PORT PRIORITY RELIEF - EXCESS TO PRESSURE

MODEL	PORT SIZE (BSPP)	STD FLOW RATE (l/min)	MAX PRESSURE BAR
FCR51-10	½" c/w relief	0-60	207
FCR51-12	¾" c/w relief	0-114	207



LINE MOUNT VALVE Velocity Fuse



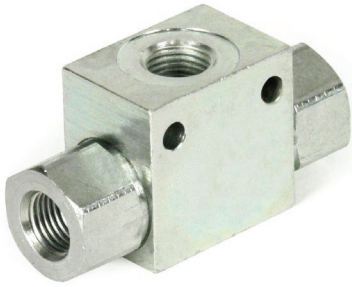
VELOCITY FUSE INSERT

MODEL	PORT SIZE (BSP)	NOMINAL FLOW (l/min)	STD FLOW RATE (l/min)	MAX PRESSURE BAR
MTC-VUBA02	3/8"	45	35	350
MTC-VUBA03	1/2"	67	60	350
MTC-VUBA04	3/4"	169	149	350



INLINE VELOCITY FUSE

MODEL	PORT SIZE (BSP)	NOMINAL FLOW (l/min)	STD FLOW RATE (l/min)	MAX PRESSURE BAR
MTC-VUBA01FF	1/4"	29	18	350
MTC-VUBA02FF	3/8"	45	35	350
MTC-VUBA03FF	1/2"	67	60	350
MTC-VUBA04FF	3/4"	169	149	350



LINE MOUNT VALVE

Shuttle Valve



SHUTTLE VALVE

MODEL	PORT SIZE (BSPP)	NOMINAL FLOW (l/min)	MAX PRESSURE BAR
MTC-VUSF01	1/4"	35	500



Hydraulic Cartridge Valves



SHUTTLE VALVE

MODEL	PORT SIZE (BSPP)	NOMINAL FLOW (l/min)	MAX PRESSURE BAR
HCV 330Y P4P CSAZ	1/4"	5	340
HCV 331Y P6P CSAD	3/8"	10	340
HCV 331Y P8P CSAZ	1/2"	10	340



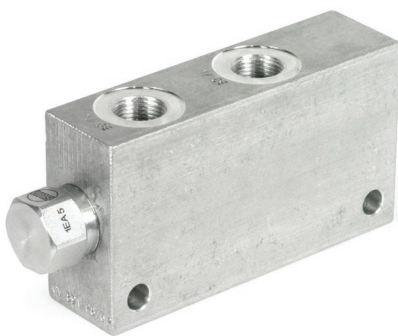
LINE MOUNT VALVE

Cartridge Flow Divider



FLOW DIVIDER

MODEL	PORT SIZE (UNO)	NOMINAL FLOW (l/min)	MAX PRESSURE BAR
BX50-16SAE	1 ⁵ / ₁₆ "	170	207

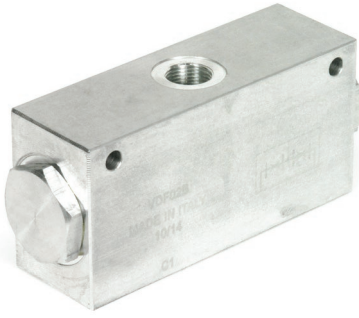


Hydraulic Cartridge Valves



FLOW DIVIDER / COMBINER

MODEL	PORT SIZE (BSPP)	NOMINAL FLOW (l/min)	MAX PRESSURE BAR
HCV 891 P8/6P FSAS	½" Inlet ⅜" Outlet	1-6	340
HCV 891 P8/6P FSBS	½" Inlet ⅜" Outlet	2-12	340
HCV 891 P8/6P FSCS	½" Inlet ⅜" Outlet	6-30	340



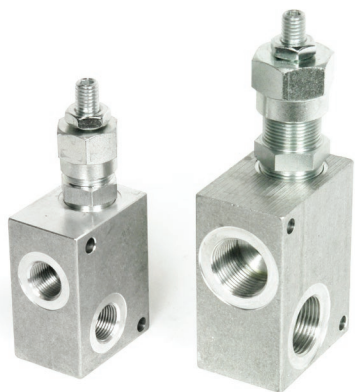
LINE MOUNT VALVE

Cartridge Flow Divider



FLOW DIVIDER / COMBINER 50/50

MODEL	PORT SIZE (BSPP)	FLOW RATE RANGE (l/min)	MAX PRESSURE BAR
MTC-VDF02A	$\frac{3}{8}$ " - $\frac{3}{8}$ "	6.5 - 12	210
MTC-VDF025C	$\frac{1}{2}$ " - $\frac{3}{8}$ "	24 - 38	210



LINE MOUNT VALVE Relief Valve



3 PORT RELIEF VALVE

MODEL	PORT SIZE (BSPP)	NOMINAL FLOW (l/min)	MAX PRESSURE BAR
MTC-VMDL2001B1	1/4"	20	350
MTC-VMD3502B1	3/8"	35	350
MTC-VMD8003B1	1/2"	80	260
MTC-VMD8004B1	3/4"	80	260
MTC-VMD15005B1	1"	150	350

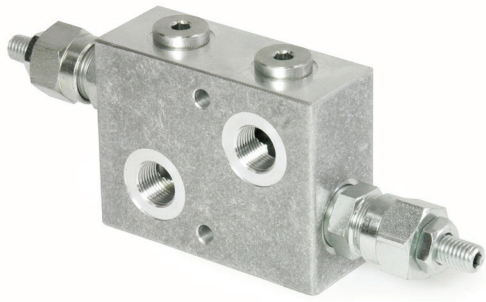


Hydraulic Cartridge Valves



3 PORT RELIEF VALVE

MODEL	PORT SIZE (BSPP)	NOMINAL FLOW (l/min)	MAX PRESSURE BAR
HCV 165 P4P RDBA	1/4"	45	340
HCV 165 P6P RDBA	3/8"	45	340
HCV 166 P8P RDDA	1/2"	95	340
HCV 166 P12P RDDA	3/4"	95	340
HCV 167 P12P RDFA	3/4"	200	340
HCV 167T P16P RDFA	1"	200	340



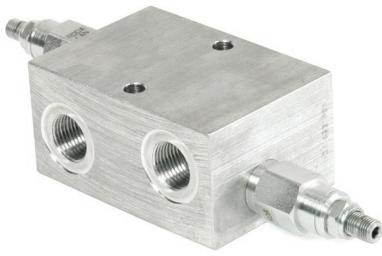
LINE MOUNT VALVE

Crossline Relief Valve



CROSSLINE RELIEF

MODEL	PORT SIZE (BSPP)	NOMINAL FLOW (l/min)	MAX PRESSURE BAR
MTC-VMDI3502B1	3/8"	35	350
MTC-VMDI8003B1	1/2"	80	260
MTC-VMDI8004B1	3/4"	80	260



LINE MOUNT VALVE

Crossline Relief Valve

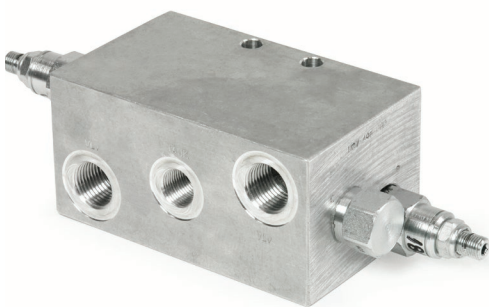


Hydraulic Cartridge Valves



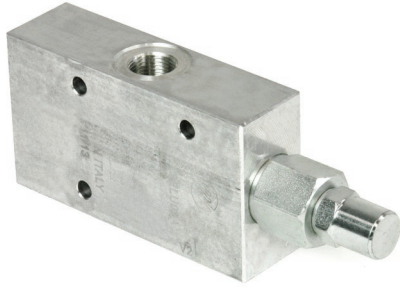
4 PORT CROSSLINE RELIEF

MODEL	PORT SIZE (BSPP)	NOMINAL FLOW (l/min)	MAX PRESSURE BAR
HCV 491 P6P RDBA	3/8"	45	340
HCV 493 P8P RDDA	1/2"	95	340
HCV 493 P12P RDDA	3/4"	95	340
HCV 494 P12P RDFA	3/4"	200	340
HCV 495 P16P RDHA	1"	380	340



5 PORT CROSSLINE RELIEF

MODEL	PORT SIZE (BSPP)	NOMINAL FLOW (l/min)	MAX PRESSURE BAR
HCV 490 P6P RDBA/CXBA	3/8"	45	340
HCV 496 P8P RDDA/CXDA	1/2"	95	340
HCV 497 P12P RDFA/CXFA	3/4"	200	340



LINE MOUNT VALVE

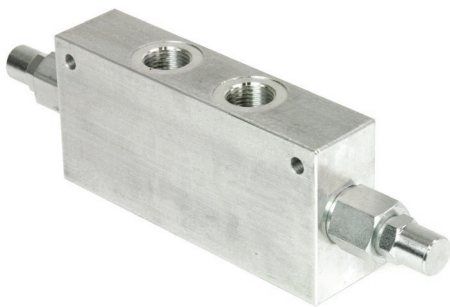
Counter Balance Valve
(Over Centre Valve)

> Max Pressure 350 Bar



SINGLE OVER CENTRE VALVE

MODEL	PORT SIZE (BSPP)	NOMINAL FLOW (l/min)	RATIO
MTC-WBCASELLU02A	3/8"	40	1:4.25
MTC-WBCASELU03A	1/2"	60	1:4.25
MTC-WBCASELU04A	3/4"	120	1:6.2



> Max Pressure 270 Bar

DUAL OVER CENTRE VALVE

MODEL	PORT SIZE (BSPP)	NOMINAL FLOW (l/min)	RATIO
MTC-WBCADELU02A	3/8"	40	1:4.25
MTC-WBCADELU03A	1/2"	60	1:4.25
MTC-WBCADELU04A	3/4"	120	1:6.2



ACCUMULATORS



ACCUMULATORS

Index

PRODUCT	BRAND	MODEL	PAGE
<u>Accumulators</u>	Hydac	Bladder	297
<u>Accumulators</u>	Hydac	Diaphragm	298
<u>Accumulator Clamps</u>	Hydac	Accumulator Clamps	299
<u>Accumulator Charging Kit</u>	Hydac	Charging Kit	300



ACCUMULATORS

Bladder

- > VOLUME: 0.5 - 200 litres
- > PRESSURE: 330 - 400 Bar
- > Contact Us for Replacement Bladders



BLADDER

MODEL	MAX PRESSURE BAR	CAPACITY (L)
-------	------------------	--------------

> CARBON STEEL FLUID CONNECTION

SB330-1A1/112F-330A	330	1
SB330-2.5A1/112F-330	330	2.5
SB330-4A1/112F-330A	330	4
SB330-5A1/112F-330A*	330	5
SB330-6A1/112F-330A*	330	6

> HIGH TENSILE STEEL FLUID CONNECTION

SB400-10A1/212F-400A	400	10
SB400-20A1/212F-400A	400	20
SB400-32A1/212F-400A	400	32
SB400-50A1/212F-400A	400	50
SB330-160A1/312F-210A	330	160
SB330-200A1/312F-210A	330	200

SPARE PARTS

MODEL	DESCRIPTION	SERIES	CAPACITY (L)
-------	-------------	--------	--------------

353606	Seal Kit	SB330/400	0.5 - 1
353609	Seal Kit	SB330/400	2.5 - 6
353621	Seal Kit	SB330/400	10 - 50
366422	Seal Kit	SB500	10 - 50



ACCUMULATORS

Diaphragm

> VOLUME: 0.075 - 4 litres
 > PRESSURE: Up to 300 Bar



DIAPHRAGM

MODEL	MAX PRESSURE BAR	CAPACITY (L)
<u>SBO250-0.075E1/112U</u>	250	0.075
<u>SBO210-016E1/112U210</u>	210	0.16
<u>SBO210-032E1/112U210</u>	210	0.32
<u>SBO210-050E1/112U210</u>	210	0.50
<u>SBO330-0.6E1/112U330</u>	330	0.6
<u>SBO210-075E1/112U210</u>	210	0.75
<u>SBO200-1E1/112U200</u>	200	1
<u>SBO210-14E1/112U210</u>	210	1.4
<u>SBO100-2E1/112U100AK</u>	100	2
<u>SBO210-2E1/112U210</u>	210	2
<u>SBO210-28E1/112U210</u>	210	2.8



ACCUMULATORS

Accumulator Clamps

> HyRac Clamp with Feet



ACCUMULATOR CLAMPS

MODEL	I.D SIZE (mm)	SERIES	SIZE (L)
444904	100 - 105	SBO210	0.5
444905	106 - 114		
445042	110 - 118	SBO330	0.6
444906	121 - 129	SBO210	0.75
444907	133 - 142	SBO200	1.0
444908	143 - 151	SBO210	1.4
444909	152 - 159		
444910	160 - 167	SBO100	2.0
445045	202 - 210		
445047	216 - 224		
445048	223 - 230		
445049	225 - 234		

* Mounting Consoles Available



ACCUMULATORS

Charging Kit



- > Charging Head M28 x 1.5
- > Charging Adaptor 7/8" - 14 UNF
- > Connecting Hose
- > Various Adaptor Range Available

CHARGING KIT

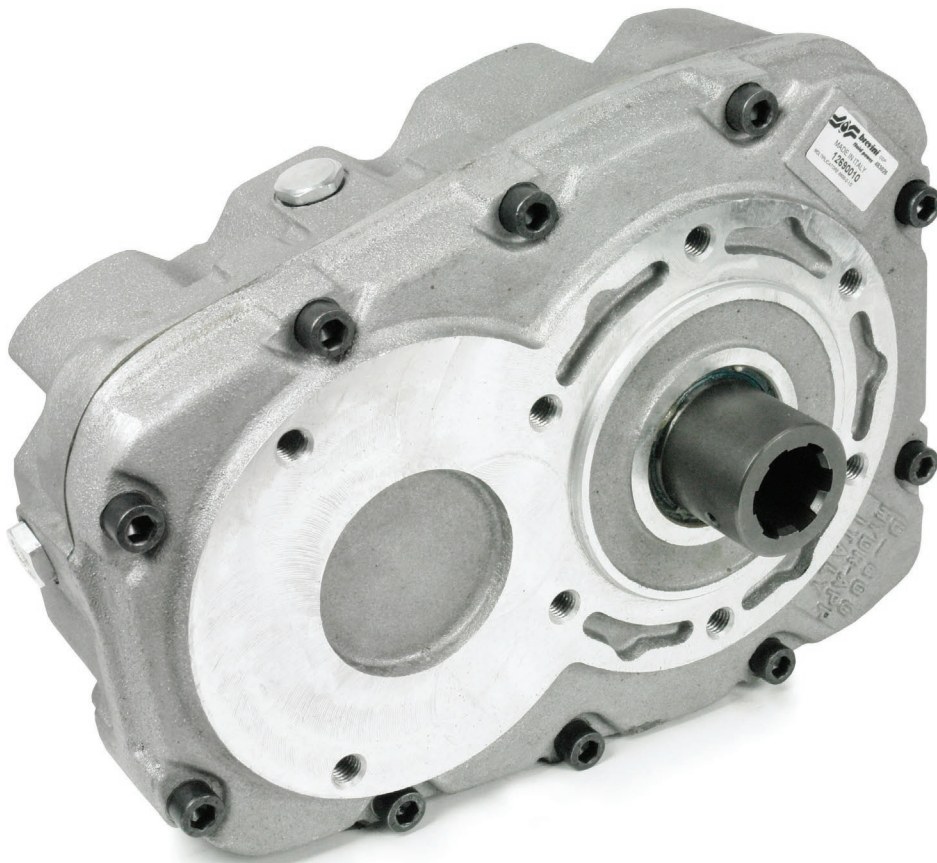
MODEL

DESCRIPTION

FPU-1-250-F2.5/G12

Complete Charging Kit in Carry Case

PTO GEAR BOX



PTO GEAR BOX

Index

PRODUCT	BRAND	MODEL	PAGE
PTO Step Up Box	Hydr-App	B600	303
PTO Step Up Box	Hydr-App	ML32	304
PTO Step Up Box	Hydr-App	ML52	305
Overhung Load Adaptor	Boreli	Overhung Load Adaptor	306



PTO

Step Up Box

- > Maximum HP Rating - 67HP
- > Use SAE 90 Oil (iso 150) only



B600

MODEL	INPUT TYPE	SHAFT	STEP UP RATIO	PUMP MOUNT
B600-1-1-3	Male	1" $\frac{3}{8}$ 6 T	3.0 : 1.0	Adapter Flange
B600-2-1-2	Female	1" $\frac{3}{8}$ 6 T	2.0 : 1.0	Adapter Flange
B600-2-1-3	Female	1" $\frac{3}{8}$ 6 T	3.0 : 1.0	Adapter Flange

ACCESSORIES

MODEL	DESCRIPTION
14050005	Adapter Flange GRP3 Euro
14050011	Adapter Flange SAE B
14050055	Adapter Flange SAE C
30505440100	GRP3 1:8 Taper 4mm Key / Z24
31046800	$\frac{7}{8}$ " 13 T / Z14 Spline
31042300	1" 15 T / Z14 Spline
31036300	1" $\frac{1}{4}$ 14 T / Z14 Spline
ELF GEAR 589	Gear Oil 80W90

SPARE PARTS

MODEL	DESCRIPTION
39207300	Body Gasket
39203800	Adapter Flange Gasket
4112790000	Output Shaft Seal
44105100	Input Shaft Seal
90200062	Input Shaft Female 1" $\frac{3}{8}$ 6 T
290000008	Breather Plug $\frac{3}{8}$ " BSPP



PTO

Step Up Box

- > Maximum HP Rating - 14HP
- > Use SAE 90 Oil (iso 150) only



ML32

MODEL	INPUT TYPE	SHAFT	STEP UP RATIO	PUMP MOUNT
ML32-2-1-3	Female	1" $\frac{3}{8}$ 6 T	3.0 : 1.0	GRP2 Euro
ML32-2-1-3.5	Female	1" $\frac{3}{8}$ 6 T	3.5 : 1.0	GRP2 Euro

ACCESSORIES

MODEL	DESCRIPTION
31000700	GRP2 1:8 Taper / Z14 Spline
ELF GEAR 589	Gear Oil 80W90

SPARE PARTS

MODEL	DESCRIPTION
39205600	Body Gasket
44102600	Output Shaft Seal
44103100	Input Shaft Seal
29000009	Button Site Level $\frac{3}{8}$ " BSPP
29000008	Breather Plug $\frac{3}{8}$ " BSPP



PTO

Step Up Box

- > Maximum HP Rating - 34HP
- > Use SAE 90 Oil (iso 150) only



ML52

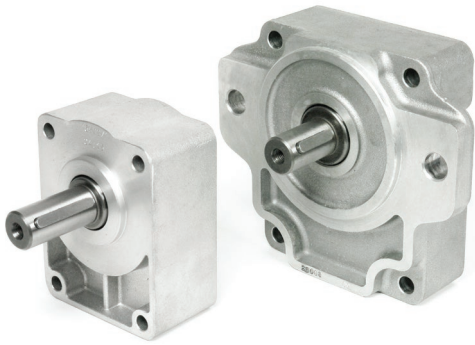
MODEL	INPUT TYPE	SHAFT	STEP UP RATIO	PUMP MOUNT
ML52-1-1-2	Male	1" $\frac{3}{8}$ 6 T	2.0 : 1.0	GRP3 Euro
ML52-1-1-3.4	Male	1" $\frac{3}{8}$ 6 T	3.4 : 1.0	GRP3 Euro
ML52-2-1-2	Female	1" $\frac{3}{8}$ 6 T	2.0 : 1.0	GRP3 Euro
ML52-2-1-3.4	Female	1" $\frac{3}{8}$ 6 T	3.4 : 1.0	GRP3 Euro

ACCESSORIES

MODEL	DESCRIPTION
10014	GRP3 1:8 Taper 4mm Key / Z18 Spline
10044	GRP2 1:8 Taper 4mm Key / Z18 Spline
31003900	GRP2 1:8 Taper 3.2mm Key / Z18 Spline
ELF GEAR 589	Gear Oil 80W90

SPARE PARTS

MODEL	DESCRIPTION
39205000	Body Gasket
44103100	Input Shaft Seal
29000009	Button Site Level $\frac{3}{8}$ " BSPP
29000008	Breather Plug $\frac{3}{8}$ " BSPP



PTO Over Hung Load Adaptor

- > Bearing Support Adaptor
- > For Side Load Applications



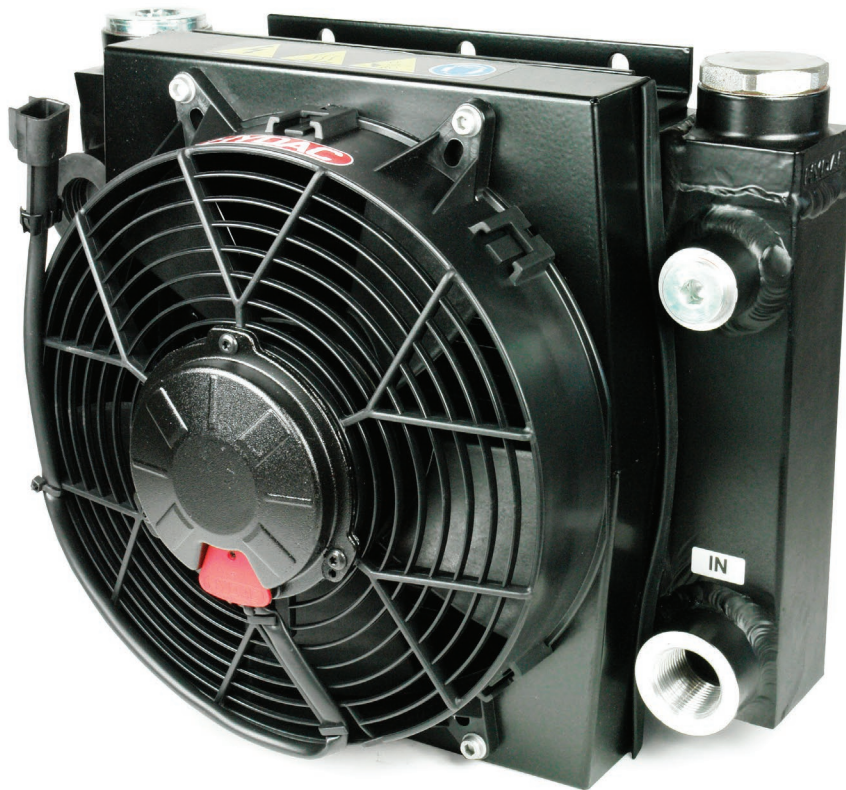
OVER HUNG LOAD ADAPTOR

MODEL	INPUT SPLINE	INPUT MOUNT	OUTPUT MOUNT	SHAFT
25401	Z14 Spline	Group 1 Euro	2" Spigot 4 Bolt	1:8 Taper
25402	Z14 Spline	Group 2 Euro	36.5mm Spigot 4 Bolt	1:8 Taper
25404-6	Z18 Spline	Group 3 Euro	2" Spigot 4 Bolt	1:8 Taper
25601	Z14 Spline	Group 1 Euro	2" Spigot 4 Bolt	18mm Keyed
25602	Z14 Spline	Group 2 Euro	36.5mm Spigot 4 Bolt	18mm Keyed
25603-1	Z15 Spline	Group 2 Euro	2" Spigot 4 Bolt	22mm Keyed
25604-6	Z18 Spline	Group 3 Euro	2" Spigot 4 Bolt	24mm Keyed
25607	Z18 Spline	Group 3 Euro	SAE A	1" Keyed
25608	Z18 Spline	Group 3 Euro	SAE B	7/8" Keyed

ACCESSORIES

MODEL	DESCRIPTION
10003	Coupling Z14 x 1:8 Taper Group 1
10007	Coupling Z15 x 1:8 Taper 3.2mm Key Group 2
10014	Coupling Z18 x 1:8 Taper 4mm Key Group 3
10035	Coupling Z15 x 1:8 Taper 4mm Key Group 2
10044	Coupling Z18 x 1:8 Taper 4mm Key Group 2
31003900	Coupling Z18 x 1:8 Taper 3.2mm Key Group 2
31000700	Coupling Z14 x 1:8 Taper 3.2mm Key Group 2

COOLERS



COOLERS

Index

PRODUCT	BRAND	MODEL	PAGE
Mobile Series Cooler	Hydac	OK-ELD (DC Motors)	309
Compact Industrial Series Cooler	Hydac	OK-ELD (DC Motors)	310



COOLERS

Mobile Series

- > DC MOTORS: 12 and 24 Volts
- > IBP3 Indicates Cooler Comes with Bypass
- > Contact Us for Accurate Sizing to Ensure Maximum Efficiency



OK-ELD (DC MOTORS)

MODEL	SIZE	VOLTAGE
OK-ELD1H/3.1/12V/1/S	1	12
OK-ELD1H/3.1/24V/1/S	1	24
OK-ELD1.5H/3.1/12V/1/S	1.5	12
OK-ELD1.5H/3.1/24V/1/S	1.5	24
OK-ELD2H/3.1/12V/1/S/IBP3	2	12
OK-ELD2H/3.1/24V/1/S/IBP3	2	24
OK-ELD3H/3.1/12V/1/S/IBP3	3	12
OK-ELD3H/3.1/24V/1/S/IBP3	3	24
OK-ELD4H/3.1/12V/1/S/IBP3	4	12
OK-ELD4H/3.1/24V/1/S/IBP3	4	24
OK-ELD4.5H/3.1/12V/1/S/IBP3	4.5	12
OK-ELD4.5H/3.1/24V/1/S/IBP3	4.5	24
OK-ELD5H/3.1/12V/1/S/IBP3	5	12
OK-ELD5H/3.1/24V/1/S/IBP3	5	24
OK-ELD6H/3.1/12V/1/S/IBP3	6	12
OK-ELD6H/3.1/24V/1/S/IBP3	6	24

ACCESSORIES

MODEL	DESCRIPTION	TEMPERATURE °C	THREAD
721404	Adjustable Thermostat	30 - 90	M22 x 1.5
3193285	Non-Adjustable Thermostat	50	M22 x 1.5
3193286	Non-Adjustable Thermostat	60	M22 x 1.5
3193287	Non-Adjustable Thermostat	70	M22 x 1.5
3193288	Non-Adjustable Thermostat	80	M22 x 1.5



COOLERS

Compact Industrial Series

- > AC MOTORS: 230 and 400 Volts (50/60Hz)
- > IBP3 Indicates Cooler Comes with Bypass
- > Contact Us for Accurate Sizing to Ensure Maximum Efficiency



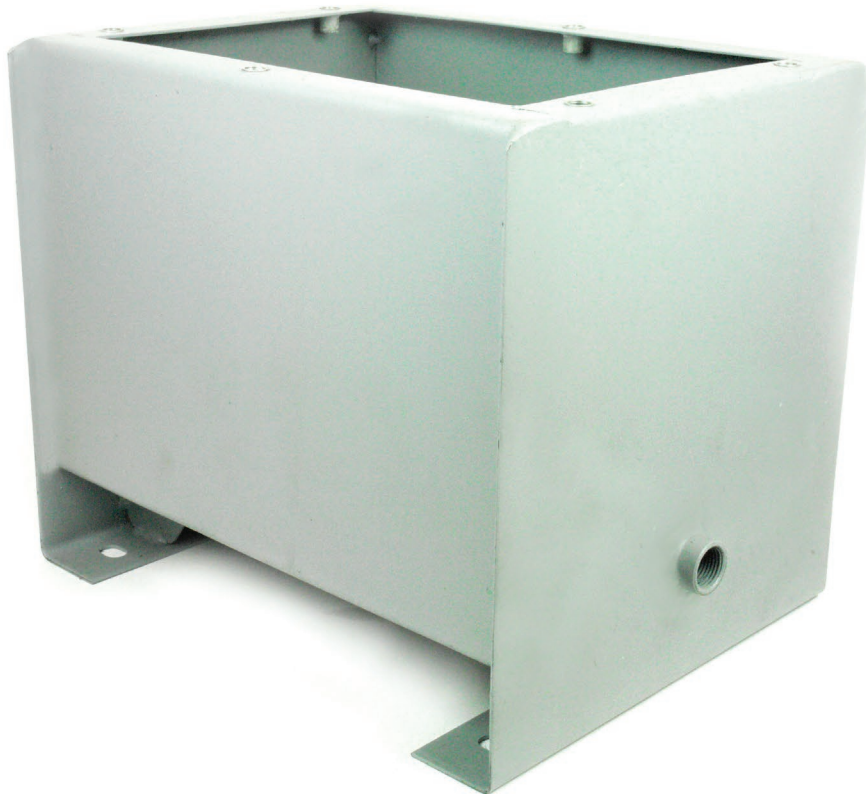
OK-ELC (AC MOTORS)

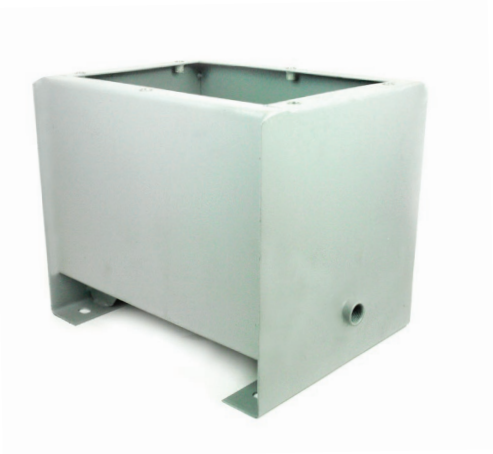
MODEL	SIZE	VOLTAGE
OK-ELC1H/1.0/230V/1/S	1	230
OK-ELC1H/1.0/400V/1/S	1	400
OK-ELC2H/1.0/230V/1/S/IBP3	2	230
OK-ELC2H/1.0/400V/1/S/IBP3	2	400
OK-ELC3H/1.0/230V/1/S/IBP3	3	230
OK-ELC3H/1.0/400V/1/S/IBP3	3	400
OK-ELC4S/1.0/230V/1/S/IBP3	4	230
OK-ELC4S/1.0/400V/1/S/IBP3	4	400
OK-ELC5S/1.0/400V/1/S/IBP3	5	400
OK-ELC6H/1.0/400V/1/S/IBP3	6	400
OK-ELC7S/1.0/400V/1/S/IBP3	7	400

ACCESSORIES

MODEL	DESCRIPTION	TEMPERATURE °C	THREAD
721404	Adjustable Thermostat	30 - 90	M22 x 1.5
3193285	Non-Adjustable Thermostat	50	M22 x 1.5
3193286	Non-Adjustable Thermostat	60	M22 x 1.5
3193287	Non-Adjustable Thermostat	70	M22 x 1.5
3193288	Non-Adjustable Thermostat	80	M22 x 1.5

TANKS

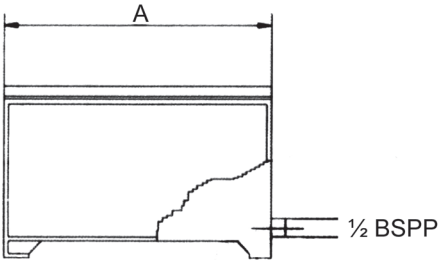
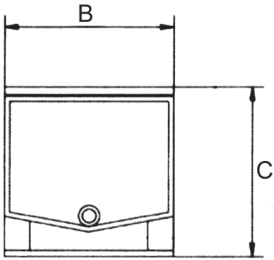




TANKS

Oil Tank

- > Constructed in Steel Plate, Oil and Rust Proof Prepainted
- > Complete Tank Includes Lid and Gasket



OTC OIL TANK

MODEL	CAPACITY (L)	A (mm)	B (mm)	C (mm)
RB OTC12	13	335	270	290
RB OTC16	20	410	325	305
RB OTC30	30	470	375	335
RB OTC55	55	600	470	365
RB OTC75	72	600	470	455
RB OTC100	98	675	520	505
RB OTC180	160	805	620	555

LOG SPLITTER COMPONENTS



LOG SPLITTER COMPONENTS Index

PRODUCT	BRAND	MODEL	PAGE
Valve	Prince	LS 3000, LSR 3060 3	315
Valve	Prince	RD 522	316
Gear Pump	GRH	Wood Spiltter Pump 4 Bolt	317
Gear Pump	GRH	Wood Spiltter Pump 2 Bolt	318
Couplings	RB Hydraulics	Coupling Spider	319
Couplings	RB Hydraulics	Petrol Engine Drive Half	319
Couplings	RB Hydraulics	Pump Drive Half	320
Bell Housings	RB Hydraulics	Log Splitter	321



LOG SPLITTER COMPONENTS

Valve

- > Single Bank Wood Splitter
- > Standard Pressure Kick Out Valve
- > No Power Beyond Available
- > Spare Parts Available



LS 3000

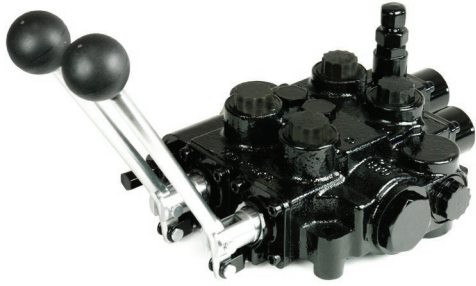
MODEL	NOMINAL FLOW (l/min)	PRESSURE (psi)		P&T (BSPP)	A&B (BSPP)
		P	T		
LS3000	94	2750	500	3/4"	3/4"



- > Regen Wood Splitter
- > Suitable for Single Stage Pumps
- > Rapid Extend Mode
- > No Power Beyond Available
- > Spare Parts Available

LSR 3060 3

MODEL	NOMINAL FLOW (l/min)	PRESSURE (psi)		P&T (BSPP)	A&B (BSPP)
		P	T		
LSR-3060-3 BSPP	94	2750	500	1/2"	3/4"



LOG SPLITTER COMPONENTS

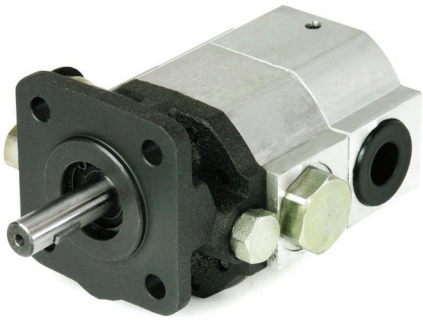
Valve

- > Double Bank Wood Splitter Valve
- > Wood Splitter & Cylinder Spool for Ring Lifter
- > Power Beyond Option Available
- > Spare Parts Available



RD 522

MODEL	NOMINAL FLOW (l/min)	PRESSURE (psi)		P&T (BSPP)	A&B (BSPP)
		P	T		
RD52*CCEA5A4B1	94	3000	500	3/4"	3/4"



LOG SPLITTER COMPONENTS

Gear Pump

- > MODELS 2CB-E6 TO 2CB-E12 - Standard 4 Bolt Mount ½" DIA Keyed Shaft
- > A Range of Bell Housings and Couplings also Available

WOOD SPLITTER PUMP 4 BOLT

MODEL	CC/REV		FLOW (GPM) @ 3600 RPM	MAX PRESSURE BAR	HP GUIDELINE
	HIGH FLOW	LOW FLOW			
<u>2CB-E6.3/3.0</u>	6.3	3.0	9	207	5.5 - 7
<u>2CB-E8.8/3.6</u>	8.8	3.6	10.5	207	8
<u>2CB-E10.9/3.6</u>	10.9	3.6	13	207	7 - 9
<u>2CB-E13/4.2</u>	13	4.2	16	207	11 - 13

SPARE PARTS

MODEL	DESCRIPTION
<u>2CB-SK</u>	Seal Kit - 4 Bolt Mount



LOG SPLITTER COMPONENTS

Gear Pump

- > MODELS 2CB-E15.2 TO 2CB-E22 - 2 Bolt A Mount $\frac{5}{8}$ " DIA Keyed Shaft
- > A Range of Bell Housings and Couplings also Available

WOOD SPLITTER PUMP 2 BOLT

MODEL	CC/REV		FLOW (GPM) @ 3600 RPM	MAX PRESSURE BAR	HP GUIDELINE
	HIGH FLOW	LOW FLOW			
2CB-E15.2/7.6	15.2	7.6	22	207	15 - 18
2CB-E22.9/7.6	22.9	7.6	28	207	18 - 20

SPARE PARTS

MODEL	DESCRIPTION
2CB-SK-SAE	Seal Kit - 2 Bolt A Mount



LOG SPLITTER COMPONENTS

Couplings



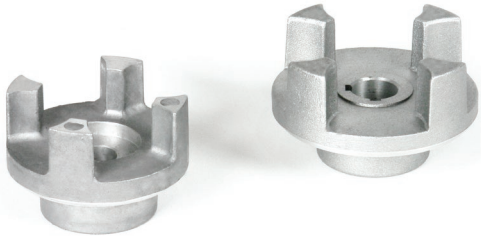
COUPLING SPIDER

MODEL	SERIES	TORQUE RATING (Nm)	MAX RPM	MAX O/D (mm)
RB ER200	HC200	90	10500	55
RB ER300	HC300	160	8500	65



PETROL ENGINE DRIVE HALF

MODEL	SHAFT	KEY SIZE
> HUB SERIES HC200		
RB HC219MC048	3/4" Keyed	
RB HC222NC048	7/8" Keyed	
RB HC225NC048	1" Keyed	
> HUB SERIES HC300		
RB HC319MC048	3/4" Keyed	3/16"
RB HC322NC048	7/8" Keyed	1/4"
RB HC325AC048	25mm Keyed	8mm
RB HC325NC048	1" Keyed	1/4"



LOG SPLITTER COMPONENTS

Couplings



PUMP DRIVE HALF

MODEL	PUMP TYPE	SHAFT	KEY SIZE
> HUB SERIES HC200			
RB HC212HC048	4 Bolt Mount	½" Keyed	
RB HC215LC048	2 Bolt Mount	⅝" Keyed	3/16"
> HUB SERIES HC300			
RB HC312HC048	4 Bolt Mount	½" Keyed	
RB HC315MC048	2 Bolt Mount	⅝" Keyed	3/16"



LOG SPLITTER COMPONENTS

Bell Housings



LOG SPLITTER

MODEL	MOUNT	ENGINE HP	SPIGOT (mm)	PCD DIA (mm)
RB BHE112045A	4081 4 BOLT	3 - 5.5	40.3 MALE	92
RB BHE152045A	4081 4 BOLT	7 - 18	146 FEMALE	127
RB BHE172082A	SAE A 2 BOLT	18	163.5 FEMALE	127
RB BHE223A082A	SAE A 2 BOLT	18+	146.05 FEMALE	196.85 (30/45° OFFSET)
RB BHE223C082A	SAE A 2 BOLT	18+	177.8 (7") FEMALE	196.85 (30/45° OFFSET)



POWER PACKS



POWER PACKS

Index

PRODUCT	BRAND	MODEL	PAGE
<u>DC Power Pack</u>	<u>Deli</u>	<u>DC Power Pack</u>	<u>325</u>
<u>Power Pack Accessories</u>	<u>-</u>	<u>Power Pack Accessories</u>	<u>326</u>



POWER PACKS

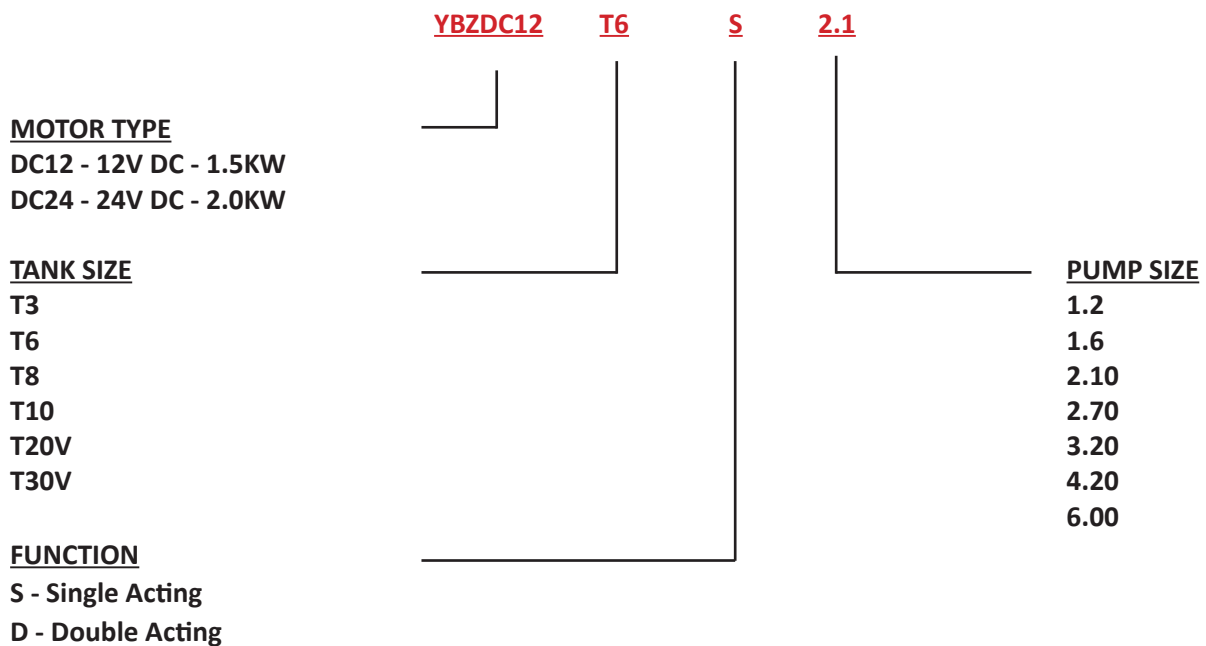
DC Power Pack

> Contact Us for Custom Built Power Packs - Various Valving, Tank, Pump and Motor Options Available



DC POWER PACK

DC POWER PACK ORDERING CODE EXAMPLE



PUMP SPECIFICATIONS

MODEL	PUMP (cc/rev)	MAX PRESSURE BAR
CBK-F1.2F	1.2	250
CBK-F1.6F	1.6	250
CBK-F2.1F	2.1	210
CBK-F2.5F	2.5	210
CBK-F2.7F	2.7	210
CBK-F3.2F	3.2	210
CBK-F4.2F	4.2	180



POWER PACKS

Accessories

ACCESSORIES

MODEL	DESCRIPTION
RC-2B3L3M	Single Acting 2 Push Button Pendant Joystick
RC-2B4L3M	Double Acting 2 Push Button Pendant Joystick
RC-4B6L3M	Double Acting 4 Push Button Pendant Joystick
KR40W	Horizontal 3L (2.8L) Round Steel Tank
KR45W	Horizontal 5L (3.8L) Round Steel Tank
YBZ-TRYX-6L-W	Horizontal 6L (5.2L) Round Steel Tank
YBZ-TRYX-8L-W	Horizontal 8L (6.8L) Round Steel Tank
YBZ-TRYX-10L-W	Horizontal 10L (8.1L) Round Steel Tank
TK-36-C	Horizontal 10L (8.5L) Square Steel Tank
TK-120-20L-L-D	Vertical 20L (17.1L) Square Steel Tank
TK-120-30L-L-D	Vertical 30L (27.1L) Square Steel Tank

PORT FLANGES



PORT FLANGES

Index

PRODUCT	MODEL	PAGE
<u>Flanges - Pump & Motor</u>	<u>Pump & Motor</u>	<u>329</u>
<u>Flanges - Pump & Motor</u>	<u>SAE Code 61, 62</u>	<u>331</u>
<u>Flanges - Pump & Motor</u>	<u>SAE 90° Code 61, 62</u>	<u>332</u>



PORT FLANGES

Pump & Motor

- > Cast Steel
- > All Flanges Supplied With Bolts, Washers and O-Rings

PUMP & MOTOR

MODEL	PCD	DESCRIPTION
> EURO 90° FLANGE		
TMRG3038	30 x 3/8"	BSPP female 90°
TMRG3012	30 x 1/2"	BSPP female 90°
TMRG4012	40 x 1/2"	BSPP female 90°
TMRG4034	40 x 3/4"	BSPP female 90°
TMRG5134	51 x 3/4"	BSPP female 90°
TMRG5110	51 x 1"	BSPP female 90°
TMRG5634	56 x 3/4"	BSPP female 90°
TMRG5610	56 x 1"	BSPP female 90°
TMRG6210	62 x 1"	BSPP female 90°
TMRG62114	62 x 1 1/4"	BSPP female 90°
> GERMAN 90° FLANGE		
TMRGB3512	35 x 1/2"	BSPP female 90° German
TMRGB4034	40 x 3/4"	BSPP female 90° German
> EURO STRAIGHT FLANGE FEMALE		
TMRF3038	30 x 3/8"	BSPP female straight
TMRF4012	40 x 1/2"	BSPP female straight
TMRF5134	51 x 3/4"	BSPP female straight
TMRF5110	51 x 1"	BSPP female straight
TMRF5634	56 x 3/4"	BSPP female straight
TMRF5610	56 x 1"	BSPP female straight
TMRF62114	62 x 1 1/4"	BSPP female straight
> EURO STRAIGHT FLANGE FEMALE EXTENDED		
TMRFI3012	30 x 1/2"	BSPP female straight extended
TMRFI4012	40 x 1/2"	BSPP female straight extended
TMRFI4034	40 x 3/4"	BSPP female straight extended

> SEE PAGE OVER FOR PUMP & MOTOR PORT FLANGES CONTINUED...

PUMP & MOTOR CONT.

MODEL	PCD	DESCRIPTION
-------	-----	-------------

> EURO STRAIGHT FLANGE MALE

TMRD3012	30 x ½"	BSPP male straight
-----------------	----------------	---------------------------

TMRD4012	40 x ½"	BSPP male straight
-----------------	----------------	---------------------------

TMRD4034	40 x ¾"	BSPP male straight
-----------------	----------------	---------------------------

TMRD5110	51 x 1"	BSPP male straight
-----------------	----------------	---------------------------



PORT FLANGES

Pump & Motor

- > Cast Steel
- > All Flanges supplied with Bolts, Washers and O-Rings

SAE CODE 61

MODEL	DESCRIPTION
TMTRF3012G12U	½" SAE x ½" BSPP
TMTRF3034G34U	¾" SAE x ¾" BSPP
TMTRF3100G100U	1" SAE x 1" BSPP
TMTRF3114G114U	1 ¼" SAE x 1 ¼" BSPP
TMTRF3112G112U	1 ½" SAE x 1 ½" BSPP
TMTRF3200G200U	2" SAE x 2" BSPP
TMTRF3300G300U	3" SAE x 3" BSPP

SAE CODE 62

MODEL	DESCRIPTION
TMTRF6034G34U	¾" SAE x ¾" BSPP
TMTRF6100G100U	1" SAE x 1" BSPP
TMTRF6114G114U	1 ¼" SAE x 1 ¼" BSPP
TMTRF6112G112U	1 ½" SAE x 1 ½" BSPP



PORT FLANGES

Pump & Motor

- > Cast Steel
- > All Flanges supplied with Bolts, Washers and O-Rings

SAE 900 CODE 61

MODEL	DESCRIPTION
TMTRF903034G34U	3/4" BSPP 90° Code 61
TMTRF903100G100U	1" BSPP 90° Code 61
TMTRF903112G112U	1 1/2" BSPP 90° Code 61
TMTRF903114G114U	1 1/4" BSPP 90° Code 61

SAE 900 CODE 62

MODEL	DESCRIPTION
TMTRF906034G34U	3/4" BSPP 90° Code 62
TMTRF906100G100U	1" BSPP 90° Code 62
TMTRF906114G114U	1 1/4" BSPP 90° Code 62



ACCESSORIES



ACCESSORIES

Index

PRODUCT	BRAND	MODEL	PAGE
Pressure Gauge	Hydac	63mm Pressure Gauge Bottom Entry	336
Pressure Gauge	Hydac	63mm Pressure Gauge Rear Entry	336
Pressure Gauge	Hydac	100mm Pressure Gauge Rear Entry	337
Pressure Gauge	Hydac	100mm Pressure Gauge Bottom Entry	337
Temperature Gauge	FBN	Sight Level Temperature Gauge	338
Tank Top Breather	Hydac	BFP 3 Series, BFP 30 Series	339
Tank Top Breather	Hydac	BFP 7 Series	340
Tank Top Breather	FBN	TP8 Series	341
Tank Filler Breather	Hydac	ELFP4 Series, ELFP3 Series	342
Tank Filler Breather	FBN	TP1 Series, TP3 Series	343
Rotary Couplings	MTC	Inline Rotary Couplings	344
Rotary Couplings	MTC	90° Rotary Couplings	344



ACCESSORIES

Pressure Gauge

- > Glyco Filled Gauges
- > Connection 1/4" BSPP
- > Mounting Brackets Available



63MM PRESSURE GAUGE BOTTOM ENTRY

MODEL

PRESSURE RANGE BAR

NG63-10-G1/4B	0 - 10
NG63-25-G1/4B	0 - 25
NG63-40-G1/4B	0 - 40
NG63-60-G1/4B	0 - 60
NG63-100-G1/4B	0 - 100
NG63-160-G1/4B	0 - 160
NG63-250-G1/4B	0 - 250
NG63-400-G1/4B	0 - 400
NG63-600-G1/4B	0 - 600

63MM PRESSURE GAUGE REAR ENTRY

MODEL

PRESSURE RANGE BAR

NG63-10-G1/4R	0 - 10
NG63-25-G1/4R	0 - 25
NG63-40-G1/4R	0 - 40
NG63-60-G1/4R	0 - 60
NG63-100-G1/4R	0 - 100
NG63-160-G1/4R	0 - 160
NG63-250-G1/4R	0 - 250
NG63-400-G1/4R	0 - 400
NG63-600-G1/4R	0 - 600



ACCESSORIES

Pressure Gauge

- > Glyco Filled Gauges
- > Connection ½" BSPP
- > Mounting Brackets Available



100MM PRESSURE GAUGE REAR ENTRY

MODEL	PRESSURE RANGE BAR
NG100-10-G1/2R	0 - 10
NG100-25-G1/2R	0 - 25
NG100-40-G1/2R	0 - 40
NG100-60-G1/2R	0 - 60
NG100-100-G1/2R	0 - 100
NG100-160-G1/2R	0 - 160
NG100-250-G1/2R	0 - 250
NG100-400-G1/2R	0 - 400
NG100-600-G1/2R	0 - 600

100MM PRESSURE GAUGE BOTTOM ENTRY

MODEL	PRESSURE RANGE BAR
NG100-10-G1/2B	0 - 10
NG100-25-G1/2B	0 - 25
NG100-40-G1/2B	0 - 40
NG100-60-G1/2B	0 - 60
NG100-100-G1/2B	0 - 100
NG100-160-G1/2B	0 - 160
NG100-250-G1/2B	0 - 250
NG100-400-G1/2B	0 - 400
NG100-600-G1/2B	0 - 600



ACCESSORIES

Temperature Gauge



SIGHT LEVEL TEMPERATURE GAUGE

MODEL

BOLT CENTRES (mm)

BOLT DIAMETER

LO5.076.TE

76

M10

LO5.127.TE

127

M12

LO5.254.TE

254

M12



ACCESSORIES

Tank Top Breather



- > Threaded Connection
- > Steel Zinc Plated with Plastic Coating
- > *Flow Rate is Housing Only - Contact Us for Additional Information for Specific Micron Ratings

BFP 3 SERIES

MODEL	DESCRIPTION	PORT SIZE (BSPP)	MAX FLOW RATE (l/min)
BFP3G10W1	Air Breather 10 Micron Paper Element	3/4"	400*
BFP3G10W2	Air Breather 10 Micron Paper Element	3/8"	400*
BFP3G10W3	Air Breather 10 Micron Paper Element	1/2"	400*
BFP3G10W4/-RV	Air Breather 10 Micron Paper Element c/w Relief Valve	3/4"	400*



- > Glass Fibre Reinforced Synthetic Housing
- > Threaded Connection
- > *Flow Rate is Housing Only - Contact Us for Additional Information for Specific Micron Ratings

BFP 30 SERIES

MODEL	DESCRIPTION	PORT SIZE (BSPP)	MAX FLOW RATE (l/min)
BFP30G03W10	Air Breather 3 Micron Paper Element	3/4"	400*
BFP30G10W10	Air Breather 10 Micron Paper Element	3/4"	400*



ACCESSORIES

Tank Top Breather

- > Glass Fibre Reinforced Synthetic Housing
- > Threaded Connection



BFP 7 SERIES

MODEL	DESCRIPTION	PORT SIZE (BSP)	MAX FLOW RATE (l/min)
BFP7G3K10	Air Breather - No Clogging Indicator	1"	1000
BFP7G3W10	Air Breather - Clogging Indicator Vis Gauge -1 to + 0.6	1"	1000

ACCESSORIES

MODEL	DESCRIPTION
VMF0.6K	Return Line Indicator - Visual Gauge

SPARE PARTS

MODEL	HOUSING MODEL	DESCRIPTION
0007L003P	BFP7G3	BFP7 3 Micron Spin On Element - Nominal



ACCESSORIES

Tank Top Breather

- > Steel Housing
- > Threaded Connection



TP8 BREATHER

MODEL	DESCRIPTION	PORT SIZE (BSPP)	MAX FLOW RATE (l/min)
TP8.02613	Air Breather 40 Micron Foam	1/4"	250
TP8.05505	Air Breather 40 Micron Foam	3/8"	250
TP8.05506	Air Breather 40 Micron Foam	1/2"	250
TP8.02614	Air Breather 40 Micron Foam	3/4"	700



ACCESSORIES

Tank Filler Breather

- > *Flow Rate is Housing Only - Contact Us for Additional Information for Specific Micron Ratings
- > Steel Cap



ELFP4 SERIES

MODEL	DESCRIPTION	MAX FLOW RATE (l/min)
ELFP4F10W10	Oil Filler Breather 3 Micron Paper Element	125*



ELFP3 SERIES

MODEL	DESCRIPTION	MOUNT	MAX FLOW RATE (l/min)
ELFP3F10W10	Oil Filler Breather - 10 Micron	6 Hole	400*
ELFP3F10W4.0/-RV	Oil Filler Breather 10 Micron - C/W Relief Valve 0.4Bar	6 Hole	400*
ELFP3F10W5.0/-RV	Oil Filler Breather 10 Micron C/W Relief Valve 0.7Bar	6 Hole	400*



ACCESSORIES

Tank Filler Breather



TP1 SERIES

MODEL	DESCRIPTION	MOUNT	MAX FLOW RATE (l/min)
TP1.02600	Air Breather 40 Micron - Steel Housing	3 Hole	250
TP1.02601	Air Breather 40 Micron - Steel Housing	6 Hole	700



TP3 SERIES

MODEL	DESCRIPTION	MOUNT	MAX FLOW RATE (l/min)
TP3.02607	Air Breather 40 Micron - Steel Housing - Pressure Valve 0.4Bar	6 Hole	700



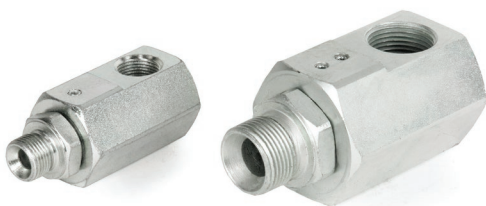
ACCESSORIES

Rotary Couplings



INLINE ROTARY COUPLING

MODEL	PORT SIZE (BSPP)	NOMINAL FLOW (l/min)	MAX RPM	MAX PRESSURE BAR
MTC-GGIL01	1/4"	25	500	400
MTC-GGIL02	3/8"	45	400	400
MTC-GGIL03	1/2"	80	370	360
MTC-GGIL04	3/4"	120	280	310
MTC-GGIL05	1"	150	230	280



90° ROTARY COUPLING

MODEL	PORT SIZE BSPP	NOMINAL FLOW (l/min)	MAX RPM	MAX PRESSURE BAR
MTC-GG9001	1/4"	25	500	400
MTC-GG9002	3/8"	45	400	400
MTC-GG9003	1/2"	80	370	360
MTC-GG9004	3/4"	120	280	310