HYDRAQUIP
HOSE & HYDRAULICS

Industrial Hydraulics

www.hydraquip.co.uk

Contact your local branch for sales and further information

sales@hydraquip.co.uk

Rexroth
Bosch Group

Sales Partner

External Gear Pumps

Tech Sheet: RE10089

AZPF External Gear Pumps

Features:
Nominal pressure 280 bar (4060 psi)
4 Bolt Rectangular mounting flange 80mm spigot
1:5 Taper Shaft, Rectangular Flanged Ports, Clockwise Rotation

Gear pumps are extremely simple and reliable, engineered by Bosch Rexroth to deliver the reliable hydraulics performance. Fixed displacement gear pumps are the most common hydraulic component. Simple in design, with few moving parts, Rexroth has designed these gear pumps to meet the rigors of industrial use.

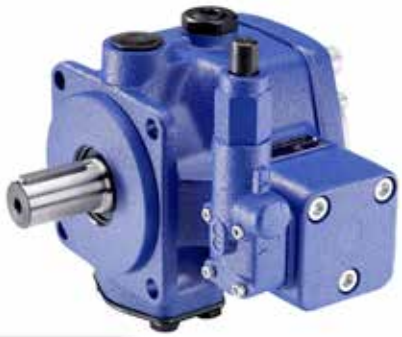
4 Bolt Rect Mount Taper Shaft Flange Ports

		Displacement cc/rev	RPM		L/min	£
0510225006	AZPF - 12/004RCB20KB	4.1	4000	280 (4000 psi)	6.0 L/min	192.00
0510325019	AZPF - 12/005RCB20KB	5.6	4000	280 (4000 psi)	8.4 L/min	192.00
0510425022	AZPF - 12/008RCB20KB	8.2	4000	280 (4000 psi)	12.3 L/min	192.00
0510525022	AZPF - 12/011RCB20KB	11.3	3025	280 (4000 psi)	17.25 L/min	200.00
0510625033	AZPF - 12/016RCB20KB	16.5	3000	280 (4000 psi)	24.75 L/min	200.00
0510725030	AZPF - 12/022RCB20KB	22.4	3000	210 (3000 psi)	33.6 L/min	202.00

Vane Pumps

Tech Sheet: RE10515

PV7 Pilot Operated, Adjustable Vane Pump



Features:
Nominal displacements from 14 - 45 cc/rev
Max flows @ 1800 rpm from 21-66 l/min
Max operating pressure 160 bar

The pilot operated PV7 variable vane pump offers control of both pressure and flow, the adjustable displacement and high repeatable accuracies with low pressure peeks during down control make it an ideal pump for low pressure applications. The PV7 pump has a low operating noise and the Hydro-dynamically lubricated plain bearings offer a long operating life. A low hysteresis and very short control times for on and off stroke makes it extremely responsive.

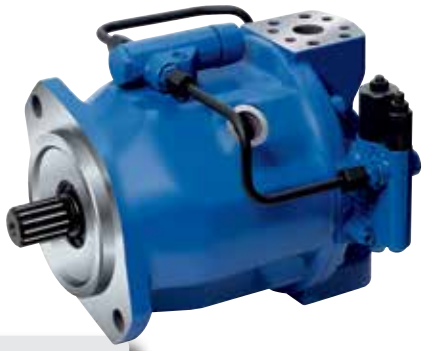
160 Bar Threaded Body Pressure Control

		Displacement cc/rev		L/min	£
R900580381	PV7 - 1X/10-14 RE01MCO-16	14 cm3	160 Bar (2320 psi)	21 L/min	986.00
R900580382	PV7 - 1X/16-20 RE01MCO-16	20 cm3	160 Bar (2320 psi)	29 L/min	1256.00
R900580383	PV7 - 1X/25-30 RE01MCO-16	30 cm3	160 Bar (2320 psi)	43.5 L/min	1614.00
R900580384	PV7 - 1X/40-45 RE37MCO-16	45 cm3	160 Bar (2320 psi)	66 L/min	2240.00

Axial Piston Pumps

Tech Sheet: RE92711

A10VSO Series 31, Axial Piston Variable Displacement Pump



Features:
Series 31 Axial Piston Pump
Nominal displacements from 18 – 100 cc/rev
Max flow from 59 – 200 l/min
Nominal continuous pressure 280 bar – peak pressure 350 bar

A variable displacement axial piston pump of swashplate design for hydrostatic open circuit systems. The flow and pressure control DFR1 ensures the pump flow is equal to the actual flow required by the service regardless of the change in pressure. Low noise level, low-pressure pulsation, high efficiency unit.

A10VSO Pressure Control Axial Piston Pump

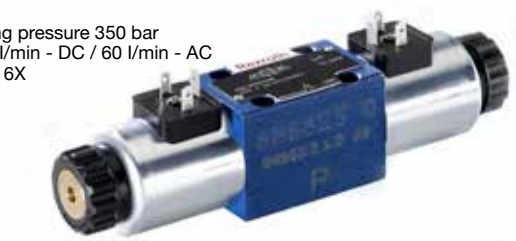
		Displacement cc/rev	RPM	L/min	£
R910991846	AA10VSO 18 DFR1 31/RVPA12NOO	18	3300	27 L/min	1406.00
R910916805	AA10VSO 28 DFR1 31/RVPA12NOO	28	3000	42 L/min	1852.00
R910967365	AA10VSO 45 DFR1 31/RVPA12NOO	45	2600	68 L/min	2390.00
R902473184	AA10VSO 71 DFR1 31/RVPA42NOO	71	2200	107 L/min	3018.00
R910920847	AA10VSO 100 DFR1 31/RVPA12NOO	100	2000	150 L/min	3916.00

Directional Valves

CETOP 3 Direct Operated Valves

Tech Sheet: RE23178

Features:
- Size 6
- Maximum operating pressure 350 bar
- Maximum flow 80 l/min - DC / 60 l/min - AC
- Component series 6X



Single Solenoid, 2 Position, D Spool (P to A, B to T), Spring Return

			£
R900561274	4WE6D6X/EG24N9K4	24VDC	134.00
R900551704	4WE6D6X/EW110N9K4	110VAC	134.00
R900909559	4WE6D6X/EW230N9K4	230VAC	134.00

Single Solenoid, 2 Position, D Spool (P to A, B to T), Detent

			£
R900567512	4WE6D6X/OF/EG24N9K4	24VDC	182.00
R900552321	4WE6D6X/OF/EW110N9K4	110VAC	182.00
R900915095	4WE6D6X/OF/EW230N9K4	230VAC	182.00

Single Solenoid, 2 Position, Y Spool (P to B A to T), Spring Return

			£
R900561276	4WE6Y6X/EG24N9K4	24VDC	134.00

Double Solenoid, 3 Position, H Spool (Open Centre), Spring Return

			£
R900561286	4WE6H6X/EG24N9K4	24VDC	160.00
R900906672	4WE6H6X/EW110N9K4	110VAC	160.00
R900912494	4WE6H6X/EW230N9K4	230VAC	160.00

Double Solenoid, 3 Position, E Spool (All Ports Blocked), Spring Return

			£
R900561278	4WE6E6X/EG24N9K4	24VDC	160.00
R900558641	4WE6E6X/EW110N9K4	110VAC	160.00
R900912492	4WE6E6X/EW230N9K4	230VAC	160.00

Double Solenoid, 3 Position, G Spool (P to T A & B Blocked), Spring Return

			£
R900561282	4WE6G6X/EG24N9K4	24VDC	160.00
R900558642	4WE6G6X/EW110N9K4	110VAC	160.00
R900912493	4WE6G6X/EW230N9K4	230VAC	160.00

Double Solenoid, 3 Position, J Spool (A & B to T Blocked), Spring Return

			£
R900561288	4WE6J6X/EG24N9K4	24VDC	160.00
R900551703	4WE6J6X/EW110N9K4	110VAC	160.00
R900911762	4WE6J6X/EW230N9K4	230VAC	160.00

CETOP 5 Direct Operated Valves

Tech Sheet: RE23340

Features:
- Size 10
- Maximum operating pressure 420 bar
- Maximum flow 150 l/min
- Component series 5X

Single Solenoid, 2 Position, D Spool (P to A, B to T), Spring Return

			£
R901278760	4WE10D5X/EG24N9K4/M	24VDC	202.00
R901324452	4WE10D5X/EG96N9K4/M	96VAC	202.00
R901336181	4WE10D5X/EG205N9K4/M	205VAC	202.00

Single Solenoid, 2 Position, Y Spool (P to B, A to T), Spring Return

			£
R901278769	4WE10Y5X/EG24N9K4/M	24VDC	202.00

Double Solenoid, 3 Position, H Spool (Open Centre), Spring Return

			£
R901278762	4WE10H5X/EG24N9K4/M	24VDC	228.00
R901324446	4WE10H5X/EG96N9K4/M	96VAC	228.00

Double Solenoid, 3 Position, E Spool (All Ports Blocked), Spring Return

			£
R901278761	4WE10E5X/EG24N9K4/M	24VDC	228.00
R901324449	4WE10E5X/EG96N9K4/M	96VAC	228.00
R901336183	4WE10E5X/EG205N9K4/M	205VAC	228.00

Double Solenoid, 3 Position, G Spool (P to T A & B Blocked), Spring Return

			£
R901278768	4WE10G5X/EG24N9K4/M	24VDC	228.00

Double Solenoid, 3 Position, J Spool (P Blocked A & B to T), Spring Return

			£
R901278744	4WE10J5X/EG24N9K4/M	24VDC	228.00
R901324445	4WE10J5X/EG96N9K4/M	96VAC	228.00
R901327207	4WE10J5X/EG205N9K4/M	205VAC	228.00

Sandwich Valves

CETOP 3 Pressure Relief Valves

Features:
- Size 6
- Maximum operating pressure 315 bar
- Maximum flow 60 l/min
- Component series 4X

Tech Sheet: RE25751

The pilot operated relief valve is used to control or limit the pressure in a system to protect equipment from being subjected to pressures that exceed their design limits.

The pressure relief valve pressure is set by adjusting an internal spring. When the internal spring pressure in the valve is exceeded (set pressure in the P line is exceeded), the pilot poppets open and hydraulic fluid flows from the pressure side of the spool through the pilot valve diverting flow back to tank.

ZDR Direct Operated, Pressure Reducing Valve

		£
R900409898	ZDB6VP2-4X/315V	186.00

CETOP 5 Pressure Relief Valves

Features:
- Size 10
- Maximum operating pressure 315 bar
- Maximum flow 100 L/min (26.4 GPM)
- Component series 4X

Tech Sheet: RA25761

The pilot operated relief valve is used to control or limit the pressure in a system to protect equipment from being subjected to pressures that exceed their design limits.

The pressure relief valve pressure is set by adjusting an internal spring. When the internal spring pressure in the valve is exceeded (set pressure in the P line is exceeded), the pilot poppets open and hydraulic fluid flows from the pressure side of the spool through the pilot valve diverting flow back to tank.

ZDB and Z2DB Pilot Operated, Pressure Relief Valve

		£
R900409958	ZDB10VP2-4X/315V	302.00

CETOP 3 Pressure Reducing Valves

Features:
- Size 6
- Maximum operating pressure 210 bar
- Maximum flow 50 l/min
- Component series 4X

Tech Sheet: RE26570

The pressure reducing valve is used to regulate pressure in one or more areas of a hydraulic circuit independent of the main pressure relief valve.

Pressure reducing valve type is a 3-way direct operated pressure reducing valve of sandwich plate design with a pressure relief function on the secondary side. It is used to reduce a system pressure.

The secondary pressure is set by the pressure adjustment element that internally senses the signal and the pilot pressure.

The valves are available with a range of secondary pressure settings.

ZDR Direct Operated, Pressure Reducing Valves

		Maximum Reducing Pressure	£
R900483785	ZDR6DP2-4X/25YM	25	222.00
R900483786	ZDR6DP2-4X/75YM	75	222.00
R900483787	ZDR6DP2-4X/150YM	150	222.00
R900483788	ZDR6DP2-4X/210YM	210	222.00

CETOP 5 Pressure Reducing Valves

Features:
- Size 10
- Maximum operating pressure 210 bar
- Maximum flow 80 l/min
- Component series 5X

Tech Sheet: RE26585

The pressure reducing valve is used to regulate pressure in one or more areas of a hydraulic circuit independent of the main pressure relief valve.

Pressure reducing valve type is a 3-way direct operated pressure reducing valve of sandwich plate design with a pressure relief function on the secondary side. It is used to reduce a system pressure.

The secondary pressure is set by the pressure adjustment element that internally senses the signal and the pilot pressure.

The valves are available with a range of secondary pressure settings.

ZDB and Z2DB Pilot Operated, Pressure Relief Valves

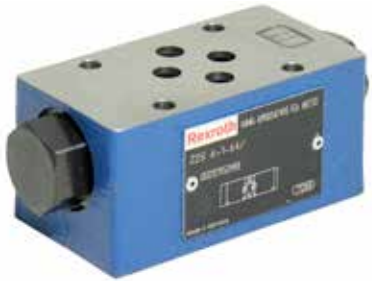
		Maximum Reducing Pressure	£
R900410875	ZDR10DP2-5X/75YM	75	320.00
R900410880	ZDR10DP2-5X/150YM	150	320.00
R900410876	ZDR10DP2-5X/210YM	210	320.00

Sandwich Valves

CETOP 3 Check Valves

Features:
Leak Free Blocking in Channel A & B
Cracking Pressure 1.5 Bar
Maximum Operating Pressure 315 bar
Maximum Flow 60 l/min
Component series 6X

Tech Sheet: RE21548



The valve type Z2S is a pilot operated check valve in a sandwich plate design. It is used for the leakage free blocking of one or two actuator ports, even for long standstill times. The two stage set-up with an increased control open ratio means even low pilot pressure can be released securely.

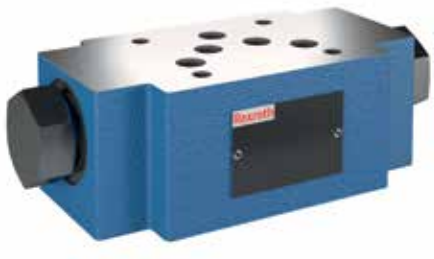
Z2S Pilot Operated, Check Valves

		£
R900347495	Z2S6-1-6X	168.00

CETOP 5 Check Valves

Features:
Leak Free Blocking in Channel A & B
Cracking Pressure 1.5 Bar
Maximum Operating Pressure 315 bar
Maximum Flow 60 l/min
Component series 6X

Tech Sheet: RE21553



The valve type Z2S is a pilot operated check valve in a sandwich plate design. It is used for the leakage free blocking of one or two actuator ports, even for long standstill times. The two stage set-up with an increased control open ratio means even low pilot pressure can be released securely.

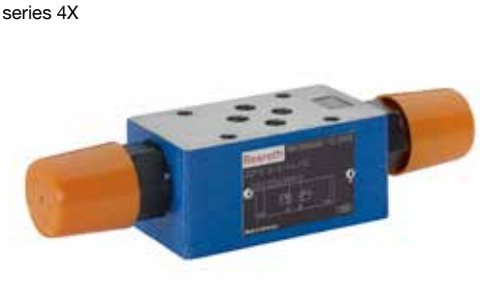
Z2S Pilot Operated, Check Valves

		£
R900407394	Z2S10-1-3X	312.00

CETOP 3 Speed Control Valve

Features:
• Maximum operating pressure 315 bar
• Maximum flow 80 l/min
• Component series 4X

Tech Sheet: RE27506



Twin throttle check valve in a sandwich plate design for vertical stacking. Speed Control Valves serve to limit the main or pilot flow, two systematically arranged throttle check valves limit the flow by means of adjustable throttling spools in one direction and give free return flow in the other.

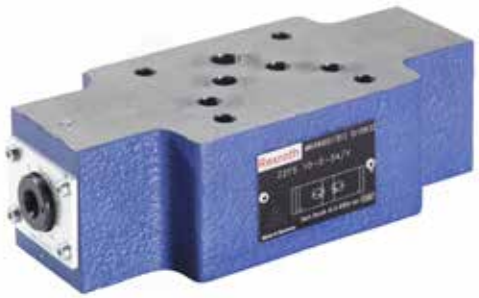
Z2FS Speed Control Valve

		£
R900481624	Z2FS6-2-4X/2QV	158.00

CETOP 5 Speed Control Valve

Features:
• Maximum operating pressure 315 bar
• Maximum flow 160 l/min
• Component series 3X

Tech Sheet: RE27518



Twin throttle check valve in a sandwich plate design for vertical stacking. Speed Control Valves serve to limit the main or pilot flow, two systematically arranged throttle check valves limit the flow by means of adjustable throttling spools in one direction and give free return flow in the other.

Z2FS Speed Control Valve

		£
R900517812	Z2FS10-5-3X/V	206.00

Coils & Accessories

Coils & Accessories

		£
R901258093	24V Coil for WE10 5X	66.00
R901267184	96V Coil for WE10 5X	70.00
R901267190	205V Coil for WE10 5X	70.00
R901017025	Rect Plug	20.00

HYDRAQUIP
HOSE & HYDRAULICS

Also available from the Bosch Rexroth hydraulic range:

- Pumps
- Motors
- Cylinders
- On/Off Valves
- Proportional Servo Valves
- Manifolds and Plates
- Electronics
- Systems
- Power Units
- Accumulators
- Filters

Rexroth
Bosch Group

Sales Partner

www.hydraquip.co.uk