

Hydraulic Control Valves

Monoblock Valves

Description

Manually or mechanically controlled hydraulic directional control valves. Designed for distribution and control of work flow between generator (pump) and executive mechanisms (cylinder, hydro-motor, etc). Manufactured with up to seven plungers, with parallel or serial action, with common or individual back valve for each plunger, with or without safety valve.

Construction

Body is cast iron (EN-GJL300). Plungers are carburised steel with hard chrome plating.

Mounting

Distributor is fixed with two bolts, M8.

Port Thread Sizes:

P, T, N: 1/2" BSPP

A, B: 3/8" BSPP

Interchangeable with Walvoil SD5.

All valves come as standard with adjustable main relief valve set at 250 bar, adjustable from 20 to 250 bar.

Includes standard lever.

Description

Hydraulic distributors used for switching on/off and directing the working fluid between head flow generators (hydraulic pumps), head flow consumers (hydraulic cylinders, motors, etc) and the tank. Manufactured with up to six plungers with parallel or serial distribution.

Construction

Body is cast iron (EN-GJL300). Plungers are carburised steel with hard chrome plating.

Mounting

Distributor is fixed with two bolts, M8.

Port Thread Sizes:

T, N: 3/4" BSPP


P, A, B: 1/2" BSPP

Interchangeable with Walvoil SD11.

All valves come as standard with adjustable main relief valve set at 250 bar, adjustable from 20 to 250 bar.

Includes standard lever.

Ambient Temperature	-40°C to +60°C
Media	Mineral oil based hydraulic oil
Viscosity	12 to 800mm ² /s
Filtration Level	10 to NAS 1638
Leakage (A, B, T)	15cm ³ /min at 120 bar
Nominal Flow	40 l/min
Spool Stroke	+/- 6mm
Actuating Force	< 200 N
Modification/Spools	With 1 to 7

 Working Temperature:
-15°C to +80°C





Maximum Working Pressure:
A & B Ports: 300 bar, P Port: 250 bar,
T Port: 50 bar


Tech Sheet
60381



Type P40, 4 Way, 3 Position, Spring Return,
40 l/min, BSPP

0479			No. of Stations	Manufacturer's Code	£
1021-0001	3/8"	1/2"	1	P40 A1 GKZ1	71.95
1021-0002	3/8"	1/2"	2	02P40 1A1 GKZ1	115.10
1021-0003	3/8"	1/2"	3	03P40 1A1 GKZ1	158.20
1021-0004	3/8"	1/2"	4	04P40 1A1 GKZ1	192.75
1021-0005	3/8"	1/2"	5	05P40 1A1 GKZ1	250.25
1021-0006	3/8"	1/2"	6	06P40 1A1 GKZ1	279.00
1021-0007	3/8"	1/2"	7	07P40 1A1 GKZ1	339.35

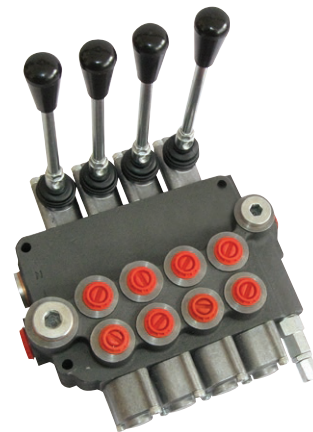
Ambient Temperature	-40°C to +60°C
Media	Mineral oil based hydraulic oil
Viscosity	12 to 800mm ² /s
Filtration Level	10 to NAS 1638
Leakage (A, B, T)	18cm ³ /min at 120 bar
Nominal Flow	80 l/min
Spool Stroke	+/- 7mm
Actuating Force	< 220 N
Modification/Spools	With 1 to 6

 Working Temperature:
-15°C to +80°C





Maximum Working Pressure:
A & B Ports: 300 bar, P Port: 250 bar,
T Port: 50 bar

Tech Sheet
60382



Type P80, 4 Way, 3 Position, Spring Return,
80 l/min, BSPP

0479			No. of Stations	Manufacturer's Code	£
1021-0008	1/2"	3/4"	1	P80 A1 GKZ1	120.80
1021-0009	1/2"	3/4"	2	2P80 1 A1 GKZ1	181.25
1021-0010	1/2"	3/4"	3	3P80 1 A1 GKZ1	250.25
1021-0011	1/2"	3/4"	4	4P80 1 A1 GKZ1	281.85
1021-0012	1/2"	3/4"	5	5P80 1 A1 GKZ1	391.15
1021-0013	1/2"	3/4"	6	6P80 1 A1 GKZ1	451.55