



P40 series are economical monoblock directional control valves, with various applications and features of compact structure, stable performance, low price and high universality.

Control type: manual, cable, solenoid, pneumatic, electro-hydraulic, etc.

Circuit type: parallel

Monoblock structure, 1-7 sections



ORDERING CODE

P 40 - X - X - X X X - X X X ... - X - X

1
2
3
4
5
6
4
5
6
7
8

2- Number of sections: 1-7

3- inlet port size: see table 1 OMIT-G08

4- Spool type: see table 2

5- Spool returning type: see table 3

6- Control type: see table 4

7- Work port size: see table 1 OMIT-G06

8- Outlet port size: see table 1 OMIT-G08

■ Table 1

BSP thread		Metric thread		US standard	UNF thread	US standard	NPT thread
Code	Thread size	Code	Thread size	Code	Thread size	Code	Thread size
G04	G1/4	M16	M16X1.5	U10	5/8-12UNF	N06	NPT3/8
G06	G3/8	M18	M18X1.5	U12	3/4-16UNF	N08	NPT1/2
G08	G1/2	M20	M20X1.5	U14	7/8-14UNF	N12	NPT3/4
G12	G3/4	M22	M22X1.5	U16	1-12UNF		
G16	G1	M27	M27X2	U22	1 1/8-12UNF	N16	NPT1

Table 2 - Spool Type

Code	Spool type	Description	Code	Spool type	Description
A		3 positions, double acting	D		3 positions, double acting, A blocked, B open
B		3 positions, double acting, A & B open	E		3 positions, single acting in A, A open
C		3 positions, double acting, A open, B blocked	F		4 positions, double acting with 4th floating position

Table 3 - Spool control type

Code	Type	Description	Code	Type	Description
1		3 positions, spring return	6		4 positions, detent in all 4 positions
2		3 positions, spring return, detent in a and b	7		3 positions, detent in 0, a & b
3		3 positions, spring return, detent in a	8		2 positions (0, b), spring return
4		3 positions, spring return, detent in b	9		2 positions (0, a), spring return
5		4 positions, spring return, detent in 4th position			

Table 4 - Control Type

Code	Type	Description	Code	Type	Description
G		Standard handle	L		Joystick with cable (standard length 1.5m, customizable)
H		Handle at 180°	M		Pneumatic control
I		Mechanical Control	N		Electro-hydraulic control
J		Joystick	O		Solenoid control
K		Flexible cable (standard length 1.5m, customizable)	P		Dual control



SPECIFICATIONS

Nominal flow rate		40 L/min	10.6 US GPM
Operating pressure (max)		250 bar	3626 psi
Viscosity	operating range	15 ~ 75 mm ² /s	15 ~ 75 cst
Viscosity	min	12 mm ² /s	12 cst
Viscosity	max	400 mm ² /s	400 cst
Ambient temperature range		-40° ~ 80°C	-40° ~ 176°F
Structure		monoblock: 1~7 sections	

INSTALLATION DIMENSIONS

