

### P40

Hydraulic directional control valves Max. operating pressure up to 250 bar Nominal flow up to 40lpm



#### Description

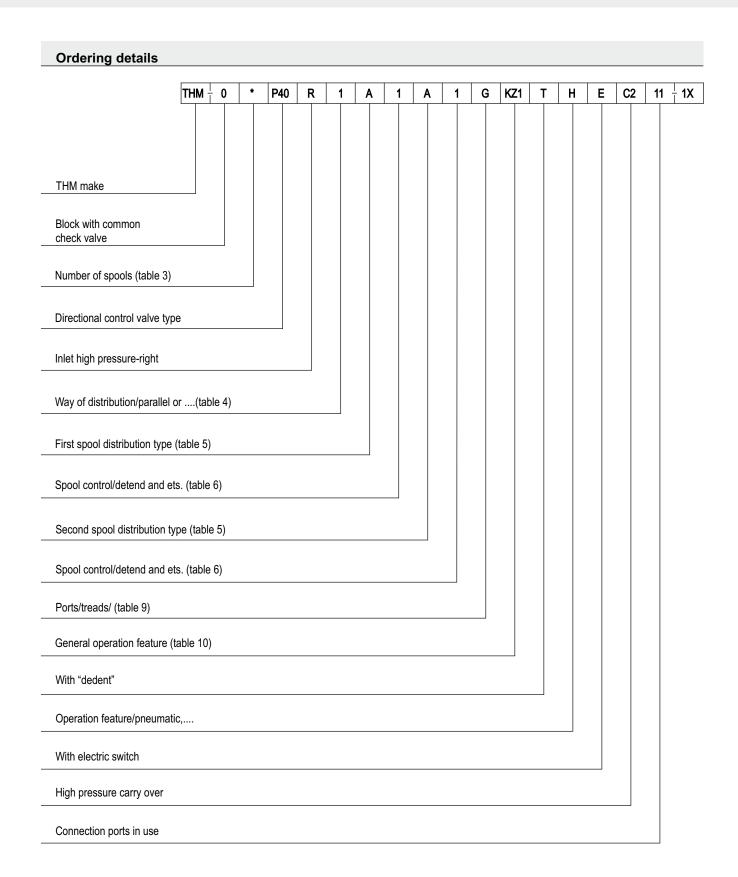
Manually or mechanically controlled hydraulic directional control valve P40 is designed for distribution and control the flow of oil between pump and the cylinder/hydro-motor etc. It is manufactured with 1 to 6 spools, with parallel or series function, with common or individual back valve for each spool, with or without safety valve

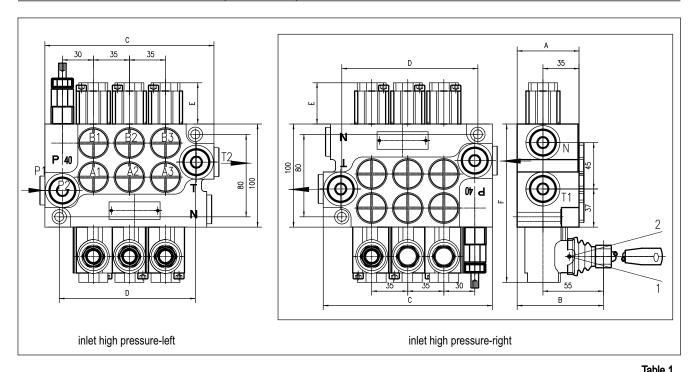
Construction: P40 is a mono-block distributor. Its body is made of cast iron EN-GJL300. Spool are made of carburized steel with hard chrome plating.

Mounting: The distributor is fixed with two bolts M8.

#### Specifications

Valve monoblock	Valve monoblock
Mounting	2 bolts M8
Pressure connections	Internal thread
Ambient temperature	-40°C~+60°C
Pressure medium	Mineral oil based hydraulic oil
Viscosity	12800mm²/s permissible range, 20100mm²/s recommended range
Fluid temperature	-15°C+80°C
Filtration	Oil contamination 10 to NAS1638
Max. operating pressure	P = 25MPa T = 5MPa A,B = 30MPa
Leakage	15cm³/min at 12MPa
Nominal flow	401/min (see "operating" diagram)
Spool stoke	±6mm
Actuating force	<200N in spool axis direction



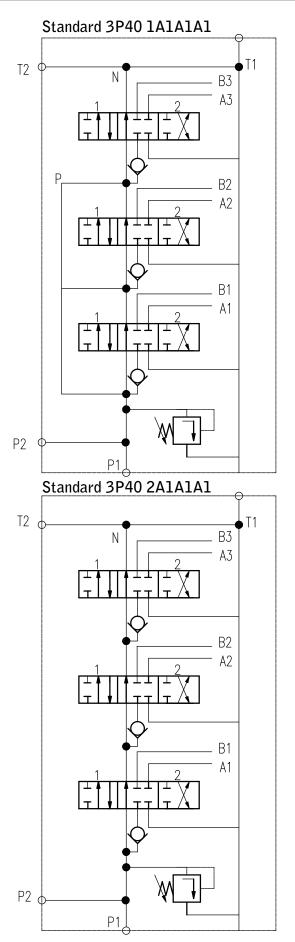


								lable 1
	А	В	С	D	P1	P2	T1	T2
01P40	60	80	85	60	+	-	+	-
02P40	60	80	129	97	+	+	+	+
03P40	60	80	164	132	+	+	+	+
04P40	60	80	199	167	+	+	+	+
05P40	60	80	234	202	+	+	+	+
06P40	60	80	269	237	+	+	+	+

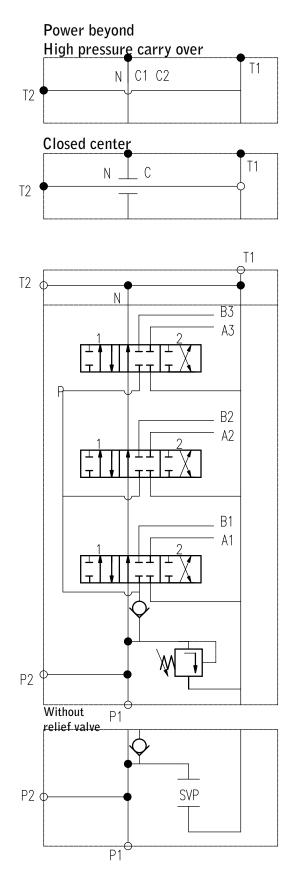
		Table 2
Spool control	E	F
1; 4; 5; 6; 7; 8; 9; 10; 11	40	193
2; 3	72	225
16	+	+

	Table 3		Table 4
Code	Number of spools	Code	Way of distribution
	1	1	parallel
02, 2	2	2	tanden (series parallel)
03, 3	3		Table 5

Code	Spool type	Code	Spool type	Code	Spool type
Α		G		Q	[+1] +-\-1+X]
В	[[+][[++]+*/-]	Н		R	[‡1][‡‡][‡X]
С		М		S	
D	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	N		Т	
Е	FIIIFFX	0		K	3 1 n b a 2 T T T T T T T T T T T T T T T T T T
F	[ <del>+</del>       <del>+</del>     +   X	Р	<u> </u>	L	1 n b a 2 3 T T T T T T T T T T T T T T T T T T



# Standard 3P40 1A1A1A1



### Table 6

	Iable 0
Code	Spool control
1	1 0 2
2	1 0 2 V VVI 1 0 2
3	1 0 2
4	0 2
5	1 0
6	1 2
7	1 2
8	1 0 2
9	1 0
10	0 2
11	0 2 v - v 1 2
13 *	3 1 0 2 v v v v 3 1 0 2
16 *	3 1 0 2 VIVV VVV 3 1 0 2
13R **	1 0 2 3
12 **	1 0 2 3 WW V 1 0 2 3

#### Table 7

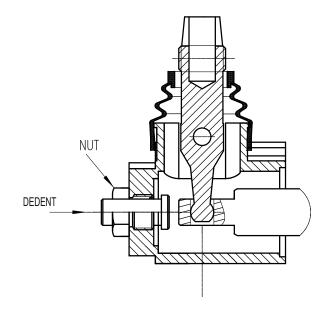
Code	Incorporated microswitch						
Е	n b a 2	Microswitch type- Omron-V 165/C5					

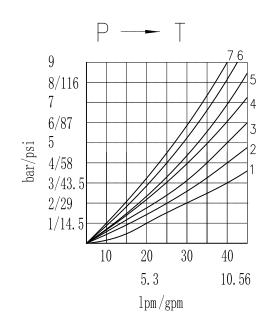
### Table 8

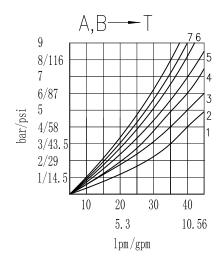
Code	Operation feature					
Р	1 1 2 1	On-Off pneumatic control; 5-10 bar; parts G1/4				
Н	1 1 2 1 1 2 1 1 1 2 1 1 1 1 1 2 1 1 1 1	On-Off hydraulic control; 5-20 bar; parts G1/4				

#### Table 9

Code	Ports (treads)				
	Р	A; B	T	N	
М	M22X1.5	M18X1.5	M22X1.5	M22X1.5	
G	G1/2	G3/8	G1/2	G1/2	
S	7/8-14UNF	3/4-14UNF	7/8-14UNF	7/8-14UNF	







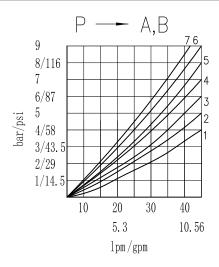


Table 10

Code	Feature	Code	Feature	Code	Feature	Code	Feature
KZ	M8	KZ1	155	KZ0		KZ01	
KY	ø9 ••••••••••••••••••••••••••••••••••••	KY1	170	KY0		KY01	
KL		KL1	170	KL0		KL01	
-	Without hand control						

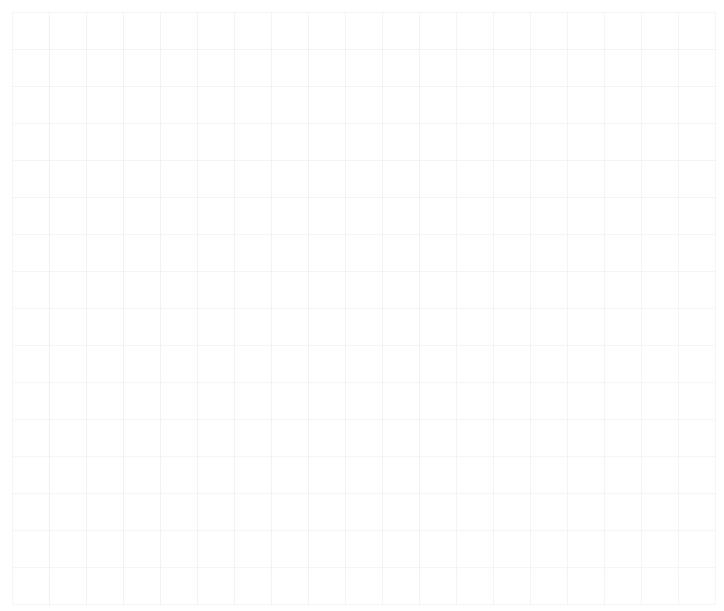
Table 11

Code	
С	Closed center
01	Part for power beyond sleeve (carry over)
C1	(N:Ø14 M22X1.5)
C2	Part for power beyond sleeve (carry over)
	(N:G1/2 M22X1.5)
-	Without part for pressure carry over
X	Power beyond ever to tank

Table 12

Code	Used connection ports
11	Pl;Tl
12	P1;T2
21	P2;T1
22	P2;T2





The specified data is for product description purposes only and may not be deemed to be guaranteed unless expressly confirmed in the contract.



F-127, Focal Point, Phase VIII Ludhaiana-141010, India Phone: 0091+161+2672777, Fax: 0091+161+2672778 www.thmhuade.com info@thmhuade.com, sales@thmhuade.com