

INSTALLATION, SERVICE AND MAINTENANCE

Directional control valves RSP 7-16 are designed for panel installation. They are being mounted by four screws M10x45 DIN 912-10.9 with torque 70Nm and 2 screws M6x40 DIN 912-10.9 with torque 8Nm. Valves can be installed in any working position. The reliability of the valves is conditional upon use of prescribed working fluid, especially its parameters such as cleanness and temperature.

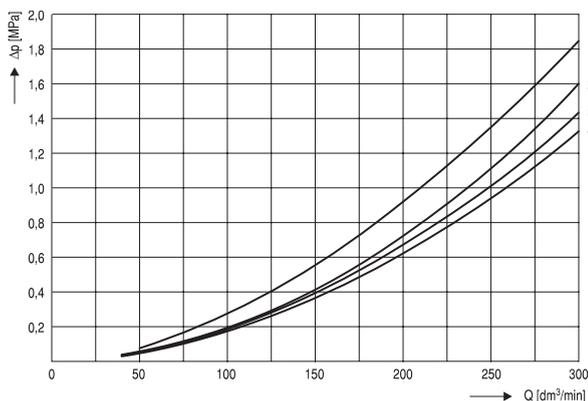
DELIVERY

Directional control valves of type RSP 7-16 operated by hand lever are delivered assembled. Spare parts and mounting screws are not included in package. These must be ordered separately.

TECHNICAL DATA

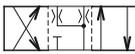
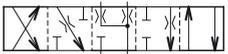
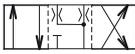
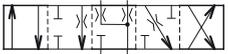
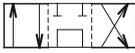
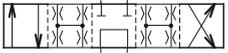
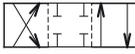
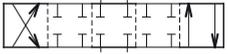
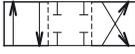
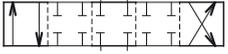
Technical data	Symbol	Unit	Value
Nominal size	Dn	mm	16
Max. flow	Q_{MAX}	dm ³ /min	300
Max. operating pressure in ports P, A, B	p_{MAX}	Mpa	32
Max. operating pressure in port T	$p_{MAX,T}$	MPa	25
Max. operating pressure in flange chambers	$p_{MAX,P}$	MPa	10
Pressure drop	Δp	MPa	see $\Delta p = f(Q)$ curves
Hydraulic fluid	Hydraulic oils of power classes (HL, HLP) according to DIN 51524		
Viscosity range	ν	mm ² /s	10 ... 400
Fluid temperature range	t_{PO}	°C	-20...+80
Ambient temperature range	t_A	°C	-20...+60
Maximum degree of fluid contamination	Class 21/18/15 according to ISO 4406 (1999)		
Weight	m	kg	10.5 - RSP7-16 xxxx - 1
			8.2 - RSP7-16 xxxx - 2
			8.2 - RSP7-16 xxxx - 5
Mounting position			optional
Enclosure type according to EN 60 529			IP65
Installation dimensions	according to: DIN 24 340 / ISO 4401 / CETOP RP121-H		

PRESSURE DROP



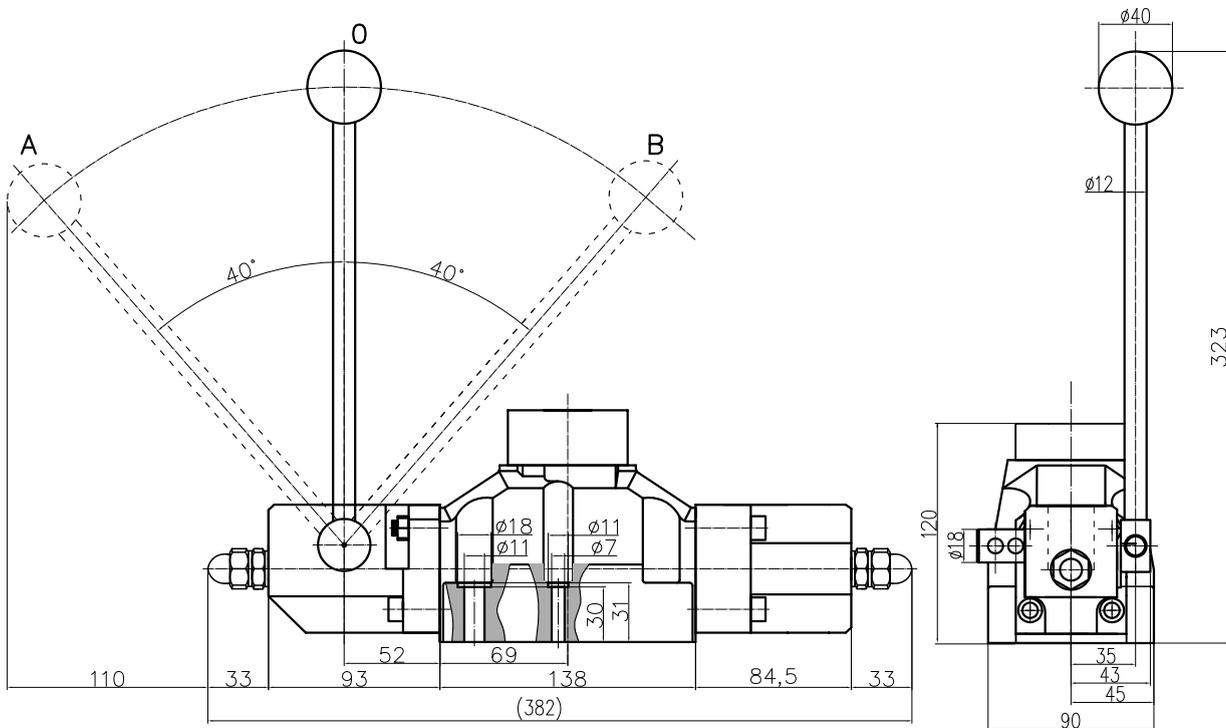
Spool type	Respective pressure drop curve number				
	P - A	P - B	A - T	B - T	P - T
C1					-
Y1	2	3	4	3	-
Y5	3	3	1	1	-
Z5	3	2	4	2	-
Z6	3	3	1	1	-

SPOOL TYPES AND CROSSOVERS

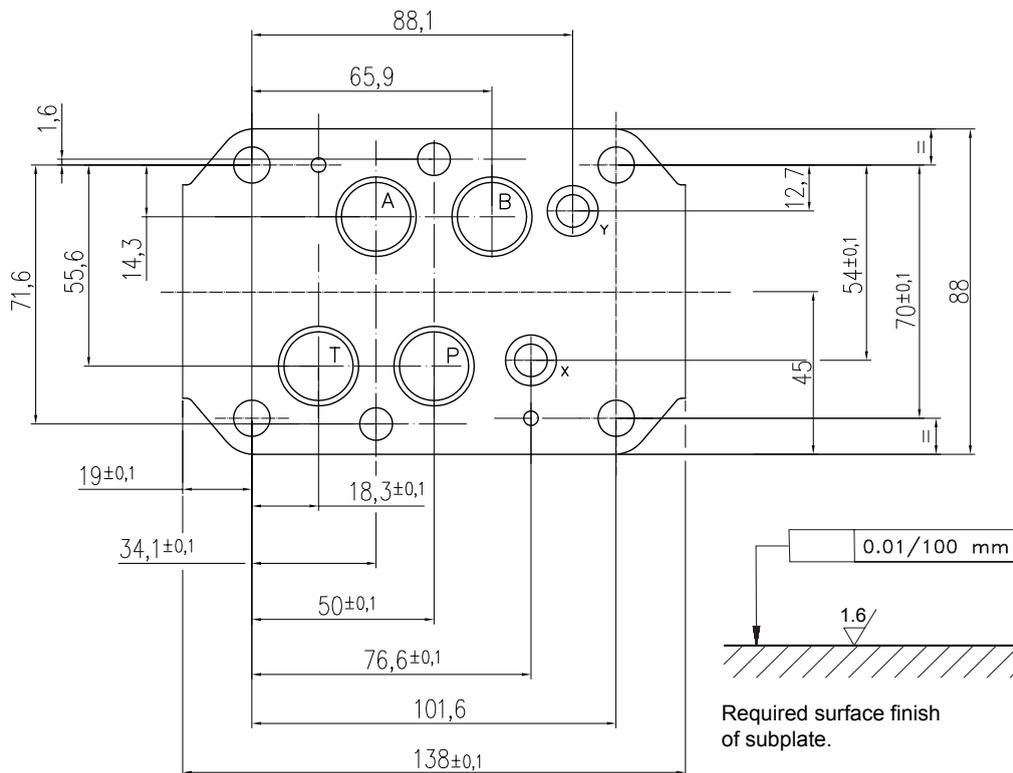
Type	Symbol	Crossover
Y3		
Y5		
C1		
Z5		
Z6		

Note: measured at $\nu = 35\text{mm}^2/\text{s}$, $T = 50^\circ\text{C}$

VALVE DIMENSIONS



INSTALLATION DIMENSIONS





SPARE PARTS

Seal kit

Type	Dimensions and quantity				
	O-ring				
Standard NBR 70	32.5 x 2.65 mm (2pcs)	22.3 x 2.4 mm (4pcs)	15.3 x 2.4 mm (2pcs)	10 x 2 mm (2pcs)	9.25 x 1.8 mm (4pcs)

Bolt kit

Dimensions and quantity	Torque
M10x45 DIN 912-10.9 (4pcs)	40 [Nm]
M6x40 DIN 912-10.9 (2pcs)	8 [Nm]

NOTES

Consultancy service is provided by: **PQS Technology, Ltd.**

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