

Intermediate plates/ Orifices /Check valves

Type ZP700/ BL700/ RV700

NG 6 ISO

uo to 25 l/min, up to **700 bar**

Features

- Intermediate plates for the installation of orifices and check valves
- Intermediate plates with threaded connections



Applications

- The intermediate plates are used for a functional add-on for poppet valves with orifices and/or check valves
- The connections P/T/A/B can be used for sensor system

Design

- as subplate
- as check valve
- for orifices
- tower-type interlinkage

Technical data

Hydraulic fluid	mineral oil according to DIN 51524 (other fluids on request)
Fluid temperature range	– 20 bis 80 °C
Ambient temperature range	– 30 to 50 °C
Viscosity range	5 to 400 mm ² /s
Porting	NG 6 according to DIN 24340/ ISO 4401/ CETOP RP 121 H
Max. operating pressure connection P, A, B	700 bar
Max. operating pressure connection T	350 bar
Max. flow rate	25 l/min
Filtration (recommendation)	according to NAS 1638 class 6 resp. ISO/DIN 4406 17/15/12
Weight	see overview “Product information”
Materials	intermediate plate body: corrosion-resistant steel orifice: steel check valve: steel

NG 6 ISO
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Type code

Example

Intermediate plates	ZP
Size	700 bar
Nominal size	6
Threaded connection	PA P and A AB A and B X No connection
Thread	G1/4 G 1/4"-connection X No external connection
Seal material	V FKM other seal materials on request

Design
00 ... 99
For internal purposes

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Designing revision
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Example

BL	700	-	6	-	D8	-	0.4	-		00
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Orifices	BL
Size	700 bar
Nominal size	6
Outside diameter	D8 (diameter 8mm)
Orifice diameter	see table (page 5)

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Example		RV	700	-	6	-	D8	-	V	-		00
Check valves	RV											
Size	700 bar											
Nominal size	6											
Outside diameter	D8 (diameter 8mm)											
Seal material	V FKM other seal materials on request											
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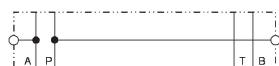
Product information (intermediate plates)

Type	Threaded connections	Thread ["]	Weight [kg]	Part No.
ZP700-6-PA-G1/4-V-A*00	P and A	G 1/4	1,3	on request
ZP700-6-AB-G1/4-V-A*00	A and B	G 1/4	1,3	on request
ZP700-6-X-X-V-A*00	No connections	No thread	0,5	on request

Note: For each plate in the delivery included are 4 pcs. O-Ring, D9.25xd1.78, 90° ShA

Symbol

P and A



A and B



No connections

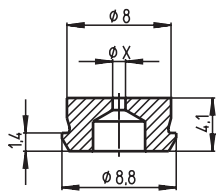
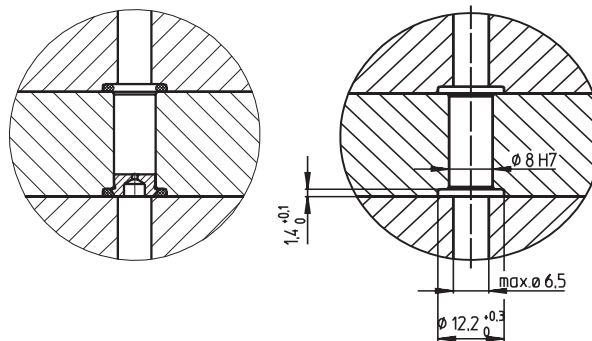


P and A



Product information (orifices)**Orifices (only for intermediate plate without connections)**

Type	Ø X [mm]	Part No.	Type	Ø X [mm]	Part No.
BL700-6-D8-0.4*00	0,4	3687933	BL700-6-D8-1.3*00	1,3	3687964
BL700-6-D8-0.5*00	0,5	3687934	BL700-6-D8-1.4*00	1,4	3656890
BL700-6-D8-0.6*00	0,6	3687955	BL700-6-D8-1.5*00	1,5	3687965
BL700-6-D8-0.7*00	0,7	3687956	BL700-6-D8-1.6*00	1,6	3687966
BL700-6-D8-0.8*00	0,8	3687958	BL700-6-D8-1.7*00	1,7	3687967
BL700-6-D8-0.9*00	0,9	3687960	BL700-6-D8-1.8*00	1,8	3687968
BL700-6-D8-1.0*00	1,0	3687961	BL700-6-D8-1.9*00	1,9	3687969
BL700-6-D8-1.1*00	1,1	3687962	BL700-6-D8-2.0*00	2,0	3687970
BL700-6-D8-1.2*00	1,2	3687963			

Dimensional drawing**Mounting drawing**

Product information (check valves)

Check valve (only for intermediate plate without connections)

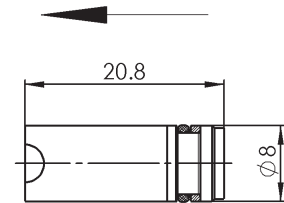
Type	Part No.
RV700-6-D8-V-A*00	3685929

Δp by 25 l/min approx. 6 bar

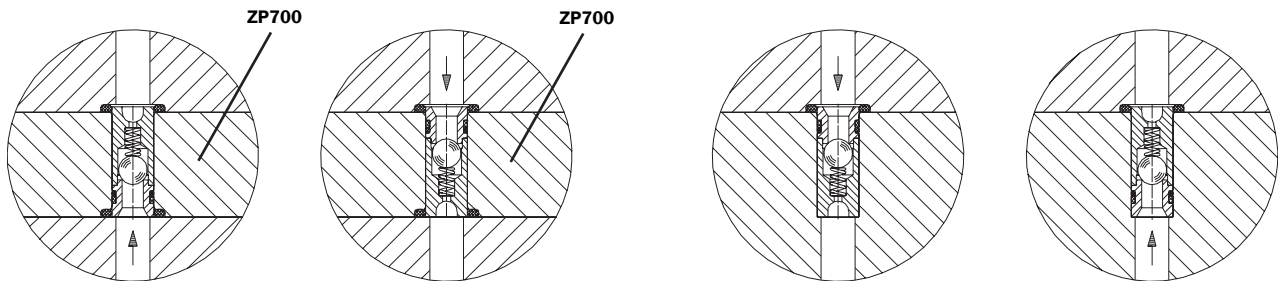
Symbol



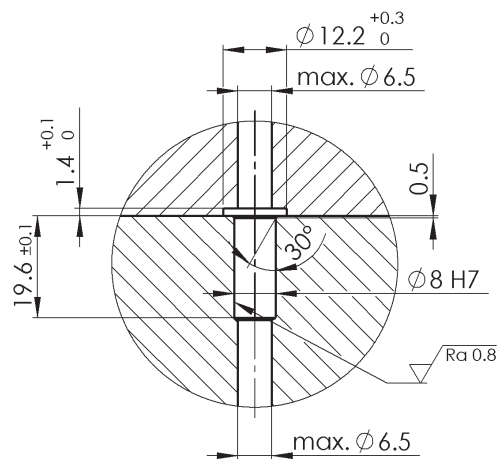
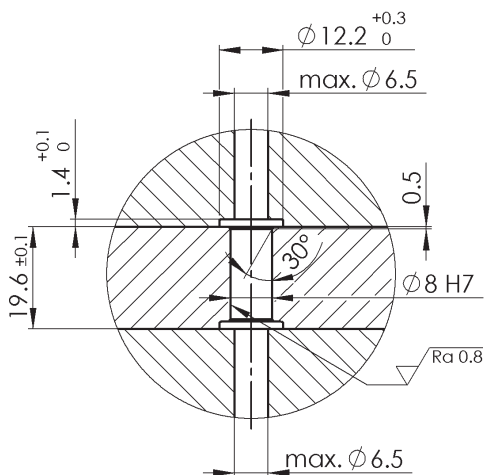
Dimensional drawing



Mounting possibilities



Cavity drawing



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The information in this brochure relates to the operating conditions and applications described.

For applications and operating conditions not described, please contact the relevant technical department.

Subject to technical modifications.