

Throttle/Throttle check valves

Type SD700/SDRV700
NG 6 ISO
up to 25 l/min, up to **700 bar**

Features

- Adjustable while under pressure
- High-precision control
- Bi-directional flow



Applications

- To change the speed of movement of a consumer
- Throttle valves for inlet and outlet throttling
- Throttle check valves as screw-in cartridge or intermediate plate valve (for applications where the flow shall be throttled in one direction and be unthrottled in the other direction)

Design

- Cartridge alone or in manifolds
- The valve setting can be locked by a counter nut



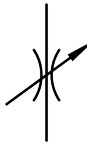
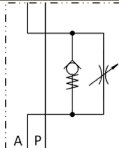
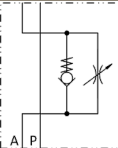


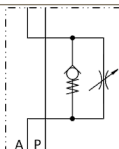
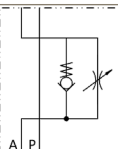
Technical data

Hydraulic fluid	mineral oil according to DIN 51524 (other fluids on request)	
Fluid temperature range	-20 to 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	valve body:	corrosion-resistant steel
	cartridge body:	steel
	supporting ring:	cast iron

Type code

Example		SDRV	700	-	6	-	AABB	-	Z	-	V	-	A		00	
Throttle valves	SD															Design 00 ... 99 For internal purposes
Throttle check valves	SDRV															
Size	700 bar															
Nominal size	6															Index Please leave blank For internal purposes
Throttle valves																
Throttle check valves																
E	Cartridge															Design revision For internal purposes
AA	Throttle check valve in A															
BB	Throttle check valve in B															
AABB	Throttle check valve in A and B															
Direction of throttling																
X	For throttle valve SD															
Z	Outgoing throttling															
A	Return throttling															
Seal material	V FKM other seal materials on request															

Product information

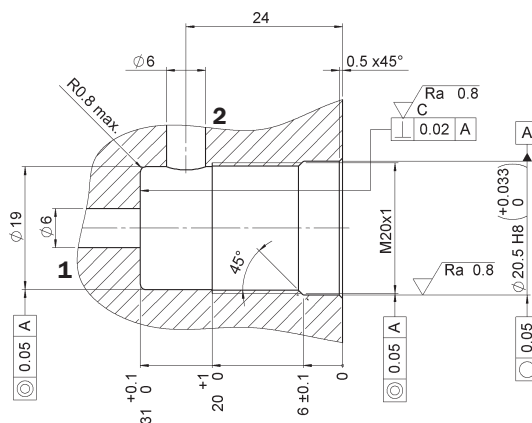
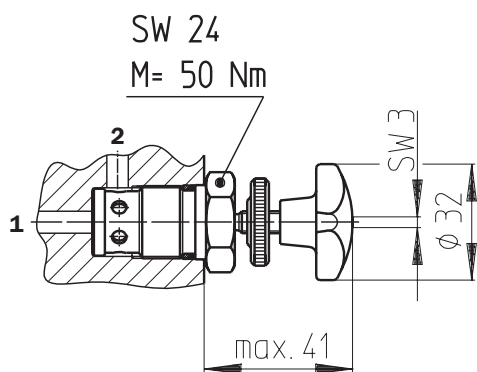
Valve type	SD			
Design	E			
Type code	SD700-6-E-X-V-A*00			
Part No.	3677847			
Symbol				
Weight	0,12 kg			
Valve type	SDRV			
Design	AA		BB	
Direction of throttling	A	Z	A	Z
Type code	SDRV700-6-AA-A-V-A*00	SDRV700-6-AA-Z-V-A*00	SDRV700-6-BB-A-V-A*00	SDRV700-6-BB-Z-V-A*00
Part No.	on request	on request	on request	on request
Symbol				
Weight	1,9 kg	1,9 kg	1,9 kg	1,9 kg
Valve type	SDRV			
Design	AABB			
Direction of throttling	A	Z		
Type code	SDRV700-6-AABB-A-V-A*00	SDRV700-6-AABB-Z-V-A*00		
Part No.	on request	on request		
Symbol				
Weight	1,9 kg	1,9 kg		

Dimensional drawings

SD700

E

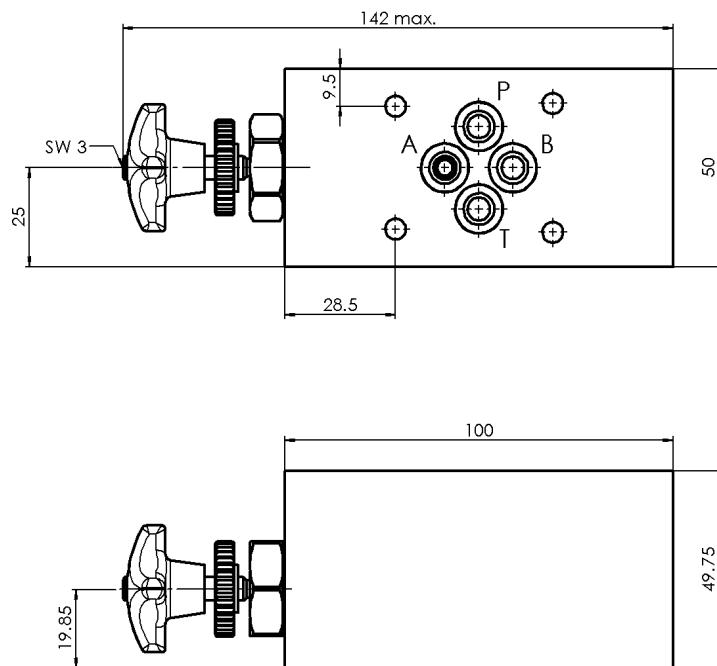
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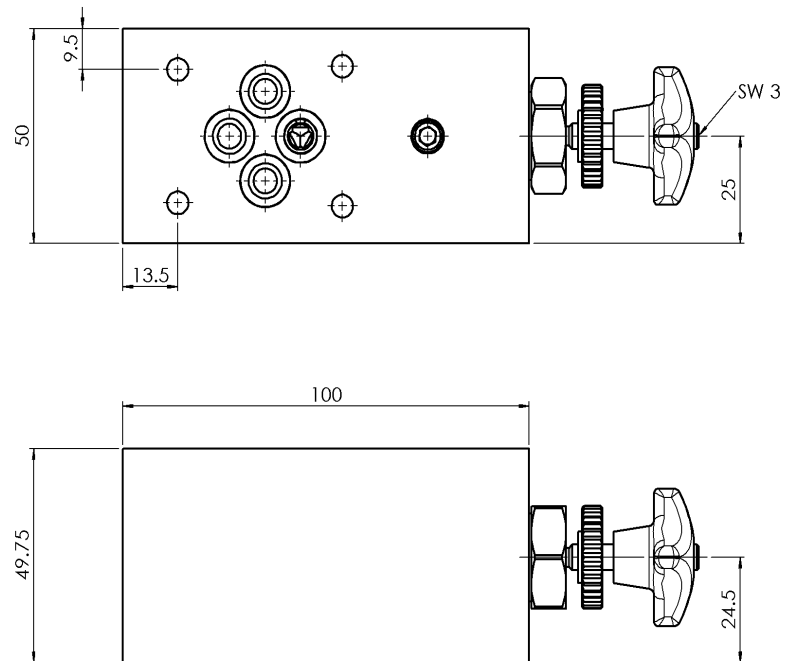
Cartridge check valve see technical data sheet ZP700/BL700/RV700

SDRV700

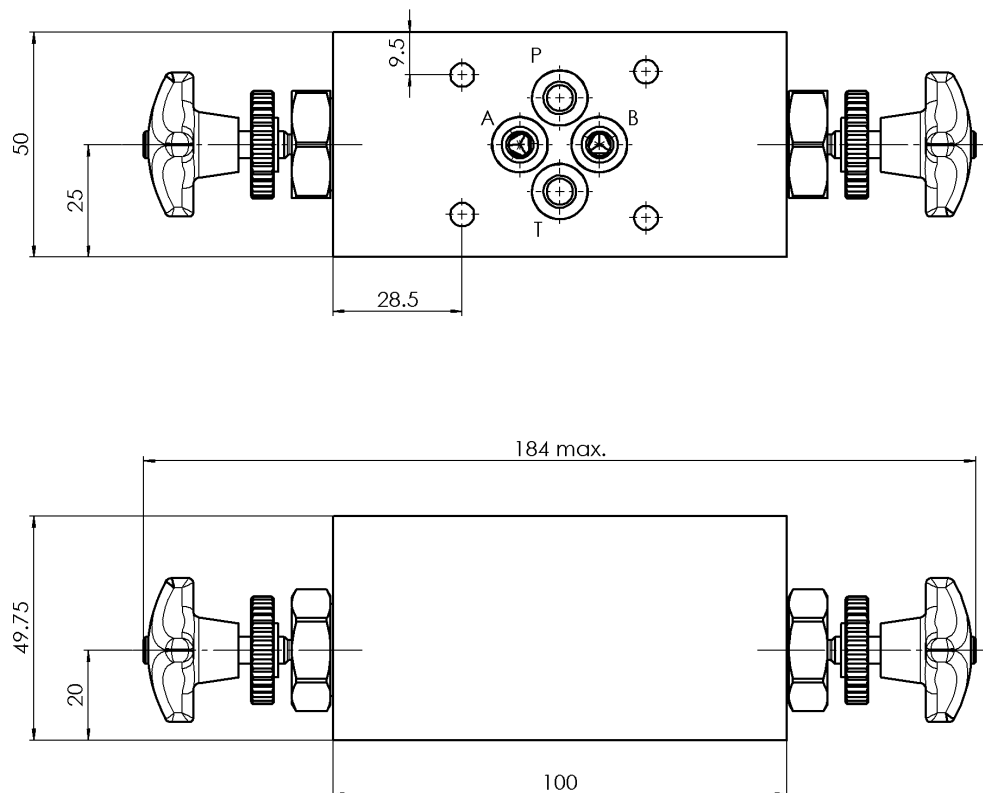
AA



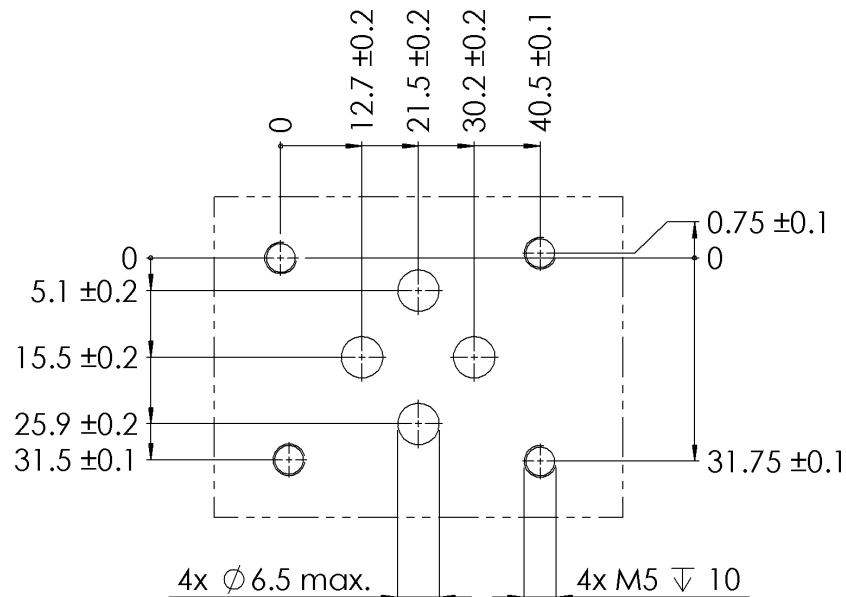
BB



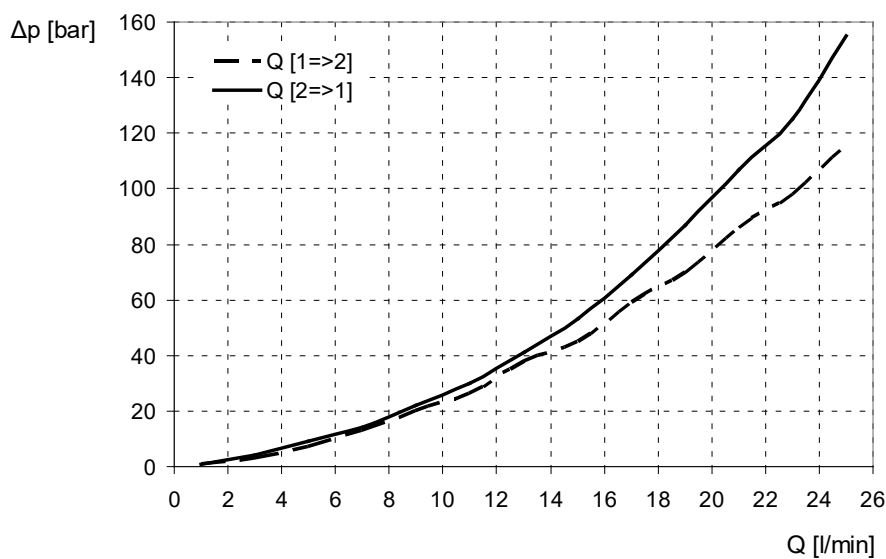
AABB



Drilling pattern



Pressure drop for throttle valve



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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.