



1.2

Check valve (large size)

Type S...L1X

Sizes 52 to 150
Up to 315bar
Up to 15000 L/min



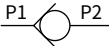
Contents

Function and configuration	02
Ordering code	02
Technical data	03
Characteristic curves	03
Unit dimensions:	04-05
· sub-plate mounting	04
· flange connection sizes 52 to 102	05
· flange connection sizes 125 to 150	05

Features

- Sub-plate mounting (Size 52)
- Flange connection (Sizes 52 to 150)
- Leakage-free closure in one direction
- Various cracking pressures, optional (see Ordering code)

Symbol

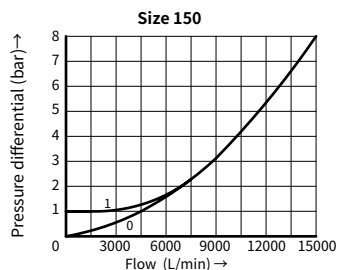
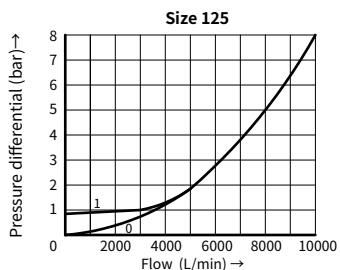
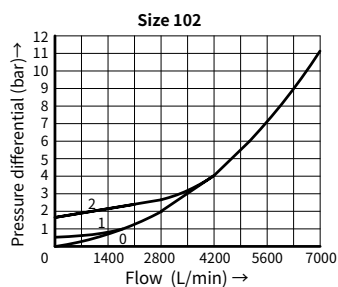
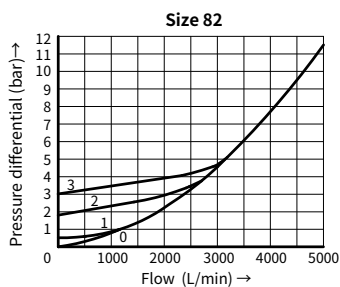
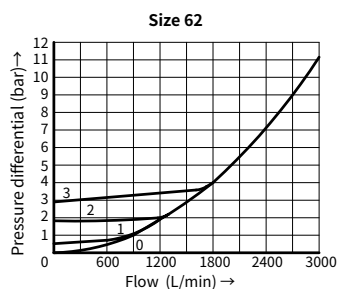
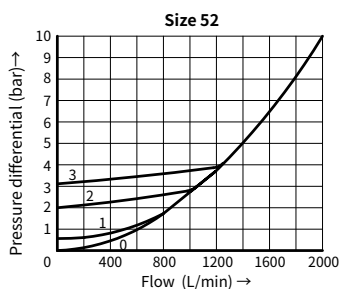


Technical data

Max. operating pressure	bar	315					
Crack pressure	bar	Refer to the characteristic curve					
Max. flow -rate	L/min	Refer to the characteristic curve					
Viscosity range	mm²/s	2.8 to 500					
Fluid temperature range	°C	-30 to +80 (NBR seal) -20 to +80 (FKM seal)					
Fluid		Mineral oil suit for NBR and FKM seal Phosphate ester for FKM seal					
Degree of contamination		Maximum permissible degree of fluid contamination: Class 9. NAS 1638 or 20/18/15, ISO4406					
Size		52	62	82	102	125	150

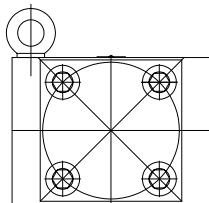
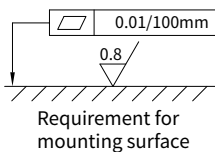
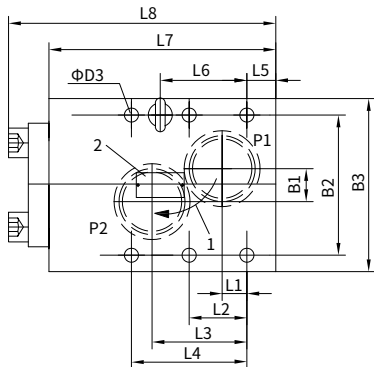
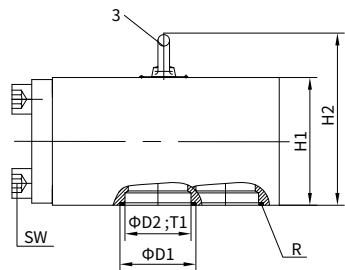
Characteristic curves (Measured at $\vartheta_{oil}=40^{\circ}\text{C} \pm 5^{\circ}\text{C}$, using HLP46)

Pressure differential ΔP in relation to the flow Q at the cracking pressure.

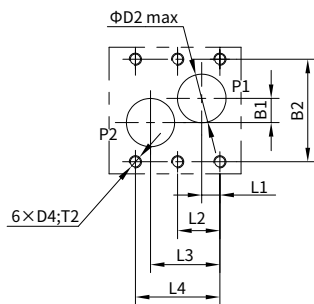


Unit dimensions: sub-plate mounting

(Dimensions in mm)



- 1 Free flow in direction of arrow
- 2 Name plate
- 3 Eyebolt for transport
 - 1 pcs with sizes 52

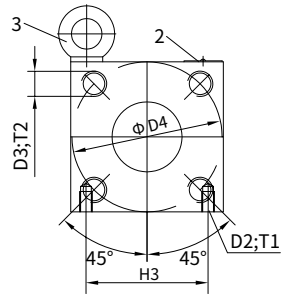
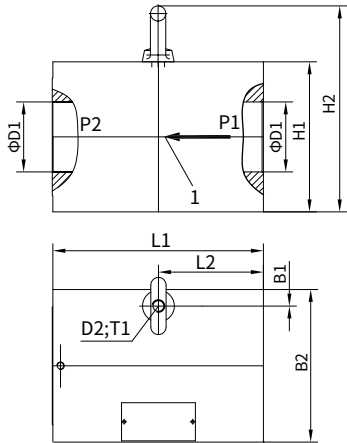


Size	O-ring	D4, T2	Valve fixing screws	M _A (Tighting torque)
52	54×3	M16,32	GB/T70.1-M16×130	310Nm

Size	B1	B2	B3	ΦD1	ΦD2	ΦD3	H1	H2	L1	L2	L3	L4	L5	L6	L7	L8	T1	A/F	Weight (kg)
52	40	115	145	60	50	18	105	141	25	50	77	100	12	75	172	207	2.3	14	20

Unit dimensions: flange connection sizes 52 to 102

(Dimensions in mm)

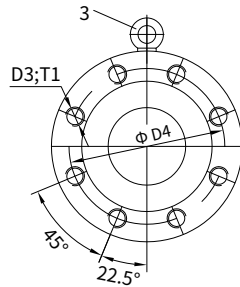
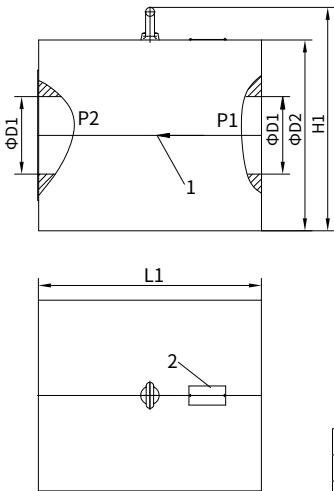


- 1 Free flow in direction of arrow
- 2 Name plate
- 3 Eyebolt for transport

Size	B1	B2	ΦD1	D2	D3	ΦD4	H1	H2	L1	L2	T1	T2	H3	Weight(kg)
52	10	100	45	M10	M16	98	98	134	135.5	67.5	15	26	80	10
62	10	120	55	M10	M20	118	118	154	165.5	82.5	15	32	100	15
82	15	150	72	M12	M24	145	148	184	195.5	97.5	20	36	120	34
102	15	180	90	M12	M30	175	178	214	245.5	122.5	20	40	150	62

Unit dimensions: flange connection sizes 125 to 150

(Dimensions in mm)



- 1 Free flow in direction of arrow
- 2 Name plate
- 3 Eyebolt for transport

Size	ΦD1	ΦD2	D3	ØD4	H1	L1	T1	Weight (kg)
125	122	300	M30	245	353	350.5	50	190
150	150	360	M36	290	431	501	60	370

01