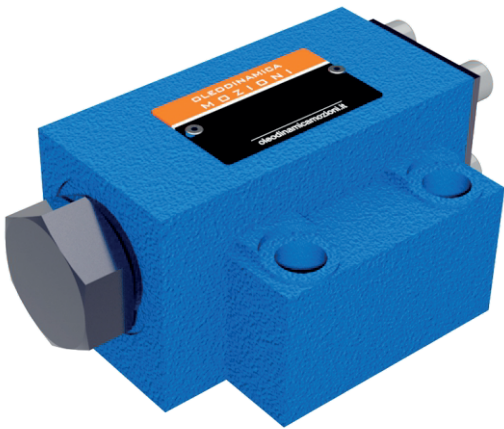


THE SV AND SL VALVES ARE HYDRAULIC PILOT OPERATED CHECK VALVES OF POPPET TYPE DESIGN WHICH MAY BE OPENED TO PERMIT FLOW IN THE REVERSE DIRECTION.

THESE VALVES ARE USED FOR THE ISOLATION OF OPERATING CIRCUITS WHICH ARE UNDER PRESSURE, I.E. AS A SAFE GUARD AGAINST THE LOWERING OF A LOAD WHEN A LINE BREAK OCCURS OR AGAINST CREEPING MOVEMENTS OF HYDRAULICALLY LOCKED ACTUATORS.

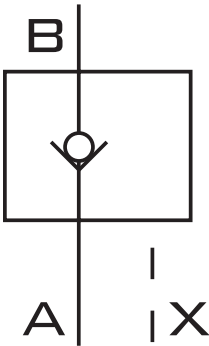


TECHNICAL DATA

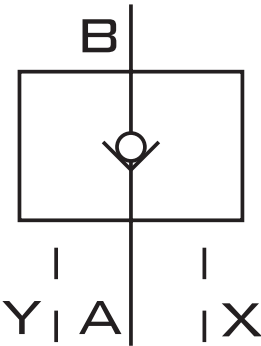
SIZE	10, 16, 20, 25, 32
MAX. FLOW RATE (L/MIN)	SEE CHARACTERISTIC CURVES
OPERATING PRESSURE (MPa)	31.5
FLUID TEMPERATURE (°C)	-30 – 80
FILTRATION ACCURACY (µm)	10
VALVE BODY (MATERIAL)	CASTING PHOSPHATING SURFACE
AREA RATIO- VALVE POPPET SURFACE/PISTON SURFACE	1:2,8
AREA RATIO- PILOT OPENING BALL SEAT SURFACE/PISTON SURFACE	1:12,2

SCHEMES

VERSION SV
(INTERNAL PILOT OIL DRAIN)



VERSION SL
(EXTERNAL PILOT OIL DRAIN)

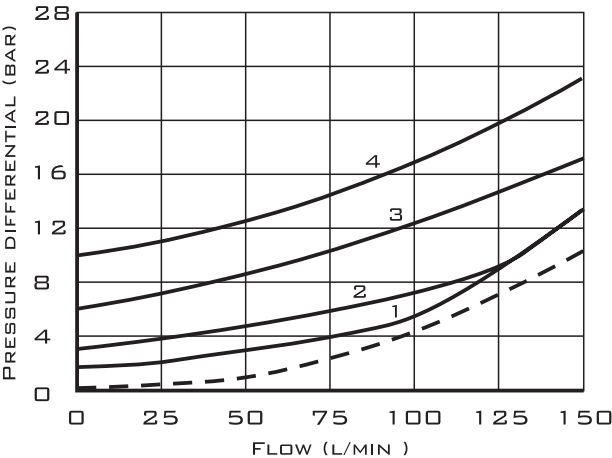




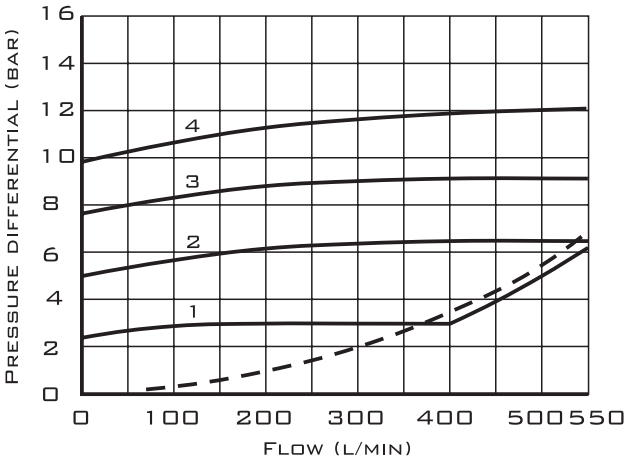
CHARACTERISTIC CURVES (SUBPLATE MOUNTING)

ΔP-Q CHARACTERISTIC CURVES

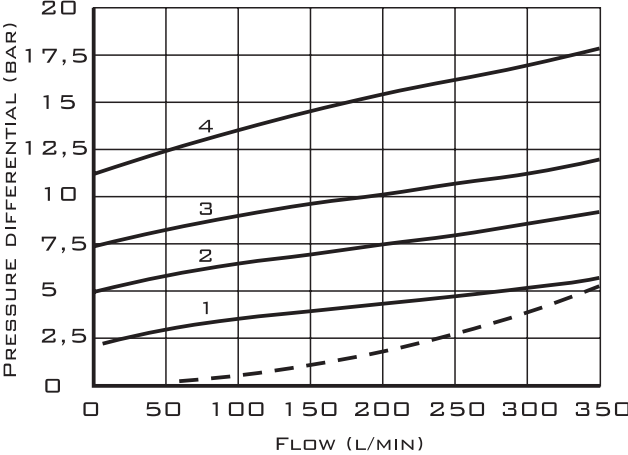
SIZE 10



SIZE 32



SIZE 20



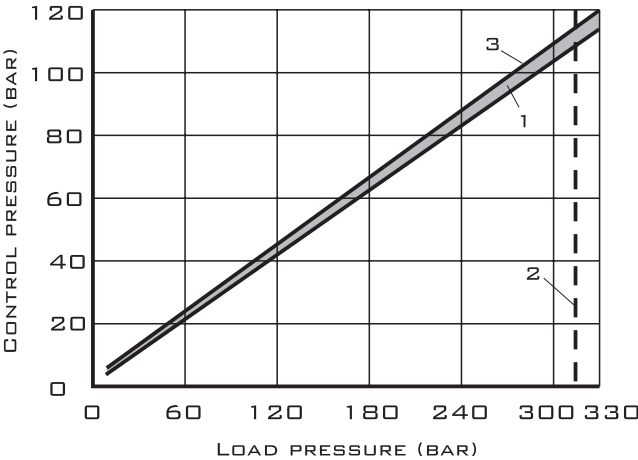
OPENING PRESSURE (BAR)

	NS10	NS20	NS32
1	1.5	2.5	2.5
2	3	5	5
3	6	7.5	8
4	10	10	10

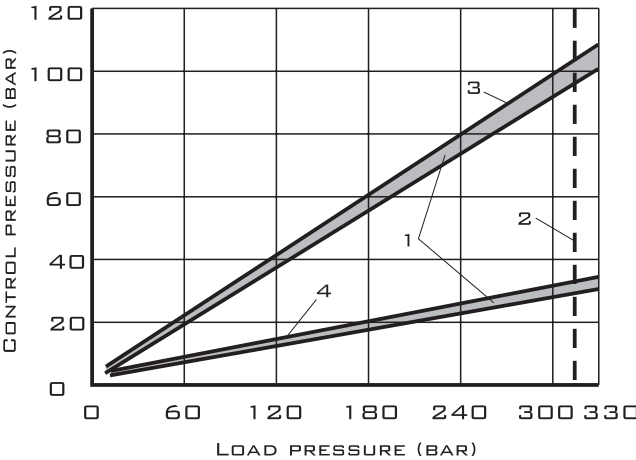
- A TO B
1 SCATTER RANGE
3 VALVE POPPET
- - - B TO A
2 LIMITING VALUE
4 DECOMPRESSION

CONTROL PRESSURE-LOAD PRESSURE-CHARACTERISTIC CURVES

WITHOUT DECOMPRESSION



WITH DECOMPRESSION



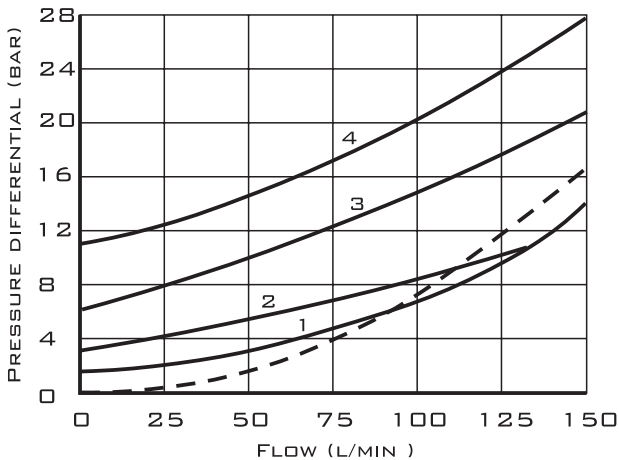
SEE ALSO:
Z2S10, Z2S16



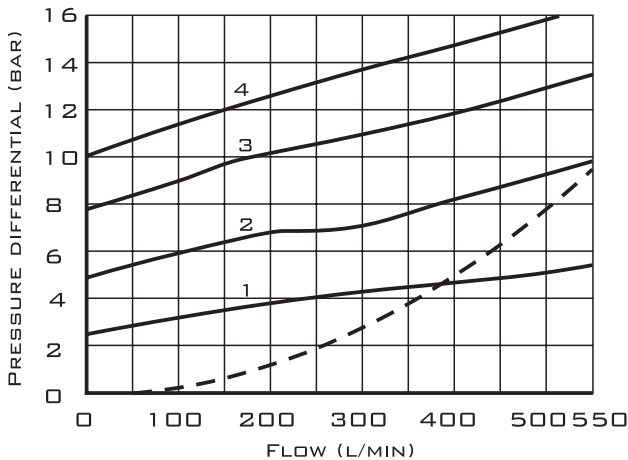
CHARACTERISTIC CURVES (THREADED CONNECTING)

ΔP-Q CHARACTERISTIC CURVES

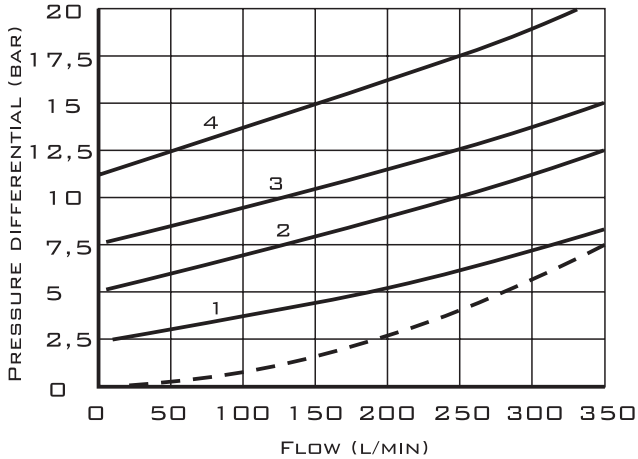
SIZE 10



SIZE 25 AND 32



SIZE 16 AND 20



OPENING PRESSURE (BAR)

	NS10	NS20	NS32
1	1.5	2.5	2.5
2	3	5	5
3	6	7.5	8
4	10	10	10

A TO B

1 SCATTER RANGE

3 VALVE POPPET

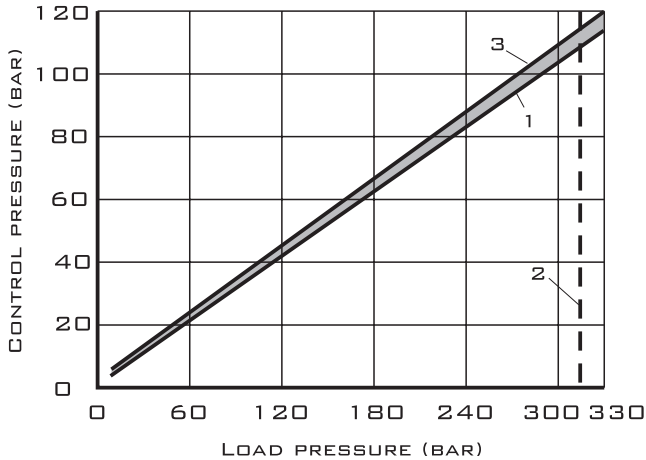
B TO A

2 LIMITING VALUE

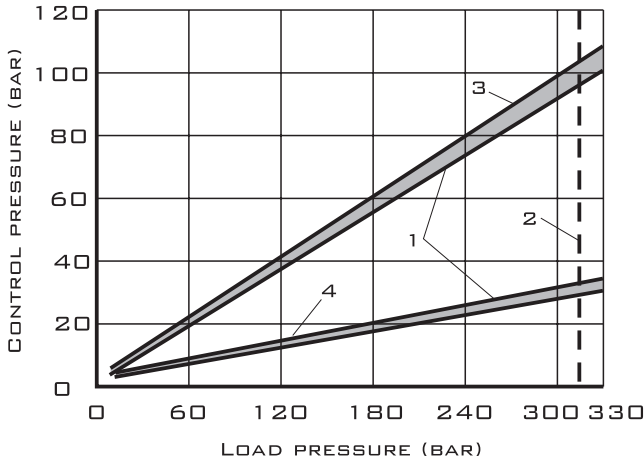
4 DECOMPRESSION

CONTROL PRESSURE-LOAD PRESSURE-CHARACTERISTIC CURVES

WITHOUT DECOMPRESSION

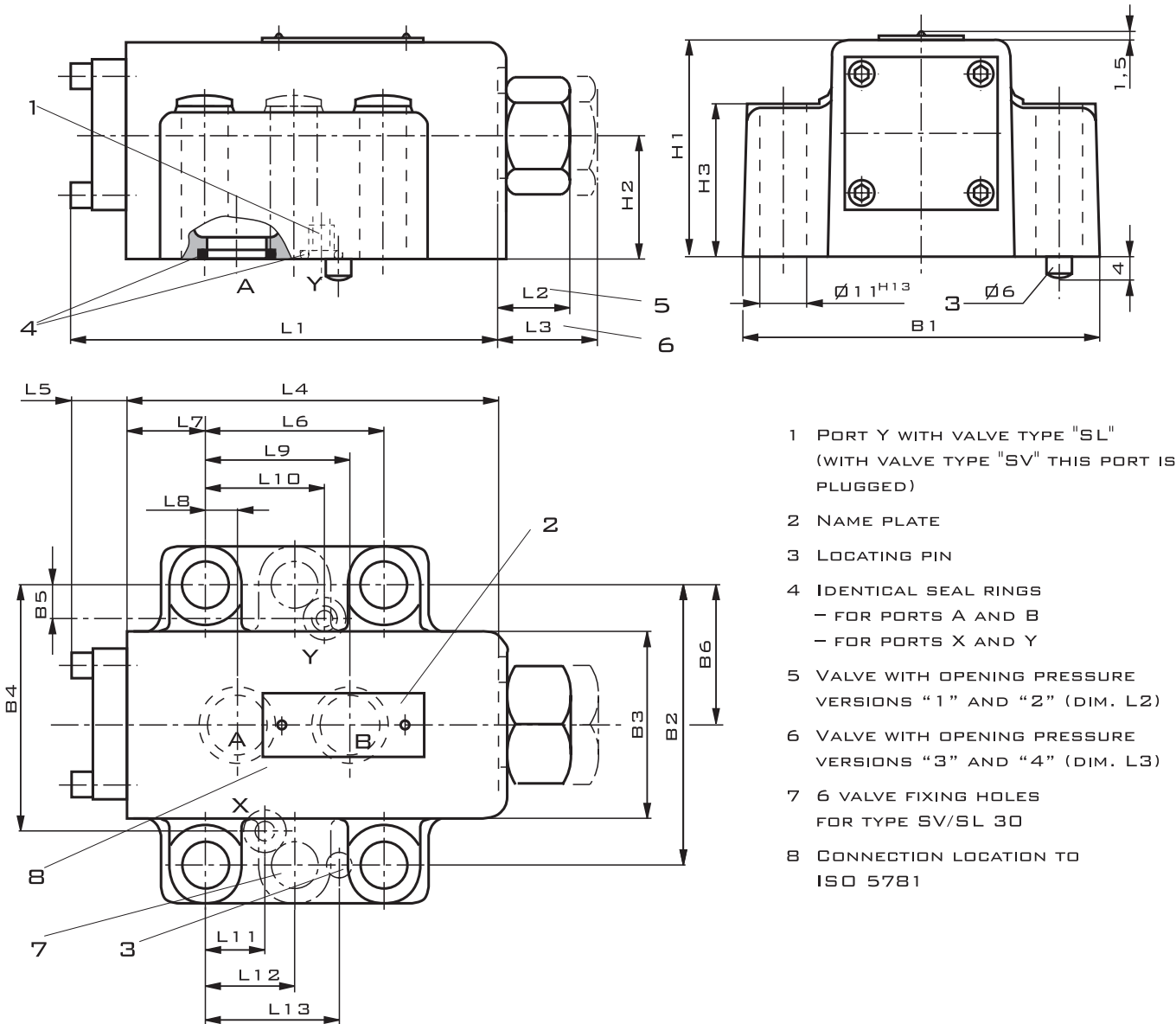


WITH DECOMPRESSION





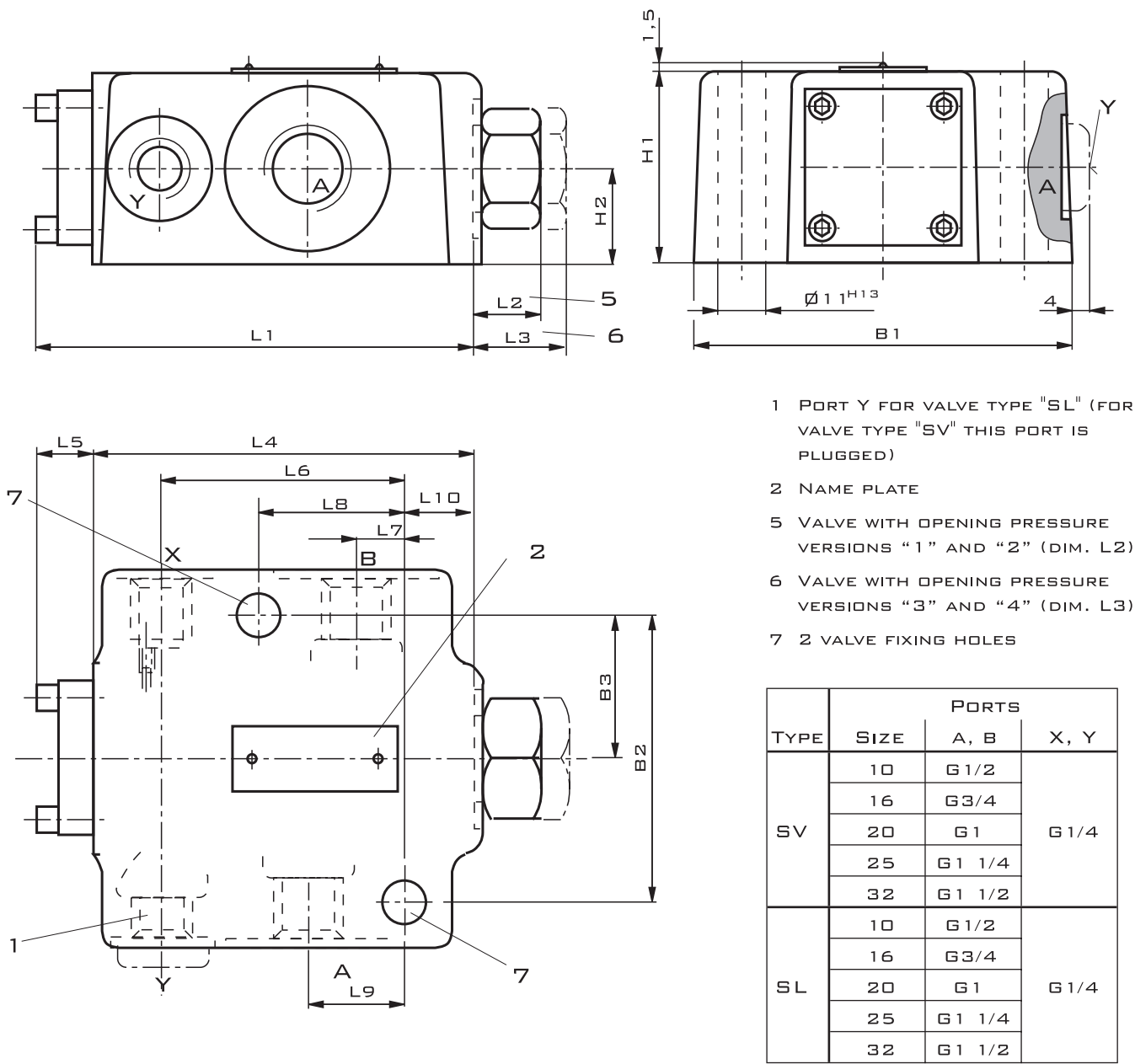
SUBPLATE INSTALLATION DIMENTIONS



TYPE	SIZE	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11
SV	10	100,8	15,5	15,5	87,8	13	42,9	18,5	7,2	35,8	-	21,5
	20	135	17,7	47,7	117	18	60,3	27,5	11,1	49,2	-	20,6
	32	156,1	36,1	46,1	134	22,1	84,2	39	16,7	67,5	-	24,6
SL	10	100,8	15,5	15,5	87,8	13	42,9	18,5	7,2	35,8	21,5	21,5
	20	135	17,7	47,7	117	18	60,3	27,5	11,1	49,2	39,5	20,6
	32	156,1	36,1	46,1	134	22,1	84,2	39	16,7	67,5	59,5	24,6

TYPE	SIZE	L12	L13	B1	B2	B3	B4	B5	H1	H2	H3	B6
SV	10	-	31,8	84	66,7	44	58,8	-	51	29	36	33,3
	20	-	44,5	100	79,4	61	73	-	70	37	55	39,7
	32	42,1	62,7	118	96,8	75	92,8	-	85	42,5	70	48,4
SL	10	-	31,8	84	66,7	44	58,8	7,9	51	29	36	33,3
	20	-	44,5	100	79,4	61	73	6,4	70	37	55	39,7
	32	42,1	62,7	118	96,8	75	92,8	3,8	85	42,5	70	48,4

THREADED INSTALLATION DIMINTIONS



TYPE	SIZE	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	B1	B2	B3	H1	H2
SV	10	100,8	15,5	15,5	87,8	13	56,5	10,5	33,5	22,5	17,3	87	66,7	33,4	44	22
	16, 20	133	17,7	47,7	115	18	74,5	17	50,5	36	27	105	79,4	39,7	68	34
	25, 32	156,1	35,7	45,7	134	22,1	101	24	84	49	18	130	96,8	48,4	85	42,5
SL	10	100,8	15,5	15,5	87,8	13	56,5	10,5	33,5	22,5	17,3	87	66,7	33,4	44	22
	16, 20	133	17,7	47,7	115	18	74,5	17	50,5	36	27	105	79,4	39,7	68	34
	25, 32	156,1	35,7	45,7	134	22,1	101	24	84	49	18	130	96,8	48,4	85	42,5

SV/SL		VALVOLE DI RITEGNO	
PILOT OPERATED CHECK VALVES			

ORDER CODE

S							
V=WITHOUT DRAIN PORT L=WITH DRAIN PORT							
10=10 SIZE 16=16 SIZE 20=20 SIZE 25=25 SIZE 32=32 SIZE							
P=PLATE MOUNTING G=THREAD CONNECTION							
A=WITH DECOMPRESSION FEATURE B=WITHOUT DECOMPRESSION FEATURE							
OPENING PRESSURE: 1, 2, 3, 4 – SEE CHARACTERISTIC CURVES (P. 2,3)							
40= 40 SERIES							
NO CODE=NBR SEALS V=FKM SEALS							