

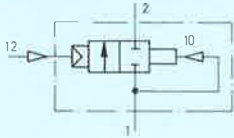
Single pilot valve

Plastic version

Type VLX-...

Brass version

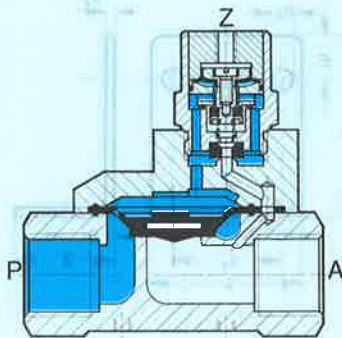
Type VLX-...-MS



The valve is actuated only as a signal is applied to port 12.

Note: When pressure is applied, the diaphragm opens briefly.

- 1 (P) = Supply port
- 2 (A) = Working or outlet lines
- 12 (Z) = Pilot line



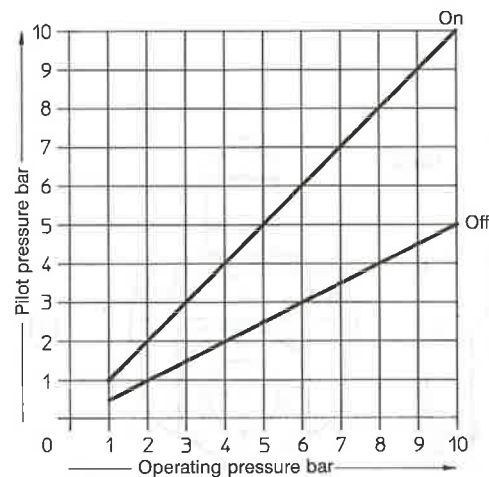
Type VLX-...



Type VLX-...-MS

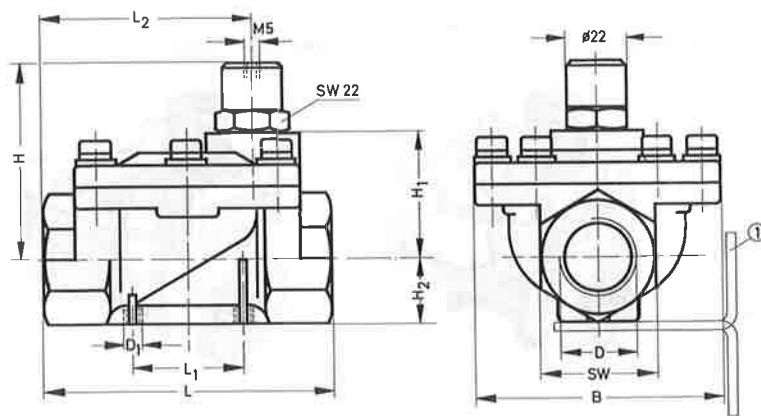


Minimum pilot pressure as a function of operating pressure



Order code Part No./Type	Valve	7631	7632	7633	8651	8652
	Plastic version	VLX-2- ¹ / ₄	VLX-2- ³ / ₈	VLX-2- ¹ / ₂	VLX-2- ³ / ₄ -B	VLX-2-1-B
	Brass version	34 432 VLX-2- ¹ / ₄ -MS	34 433 VLX-2- ³ / ₈ -MS	34 434 VLX-2- ¹ / ₂ -MS	34 435 VLX-2- ³ / ₄ -MS	34 436 VLX-2-1-MS
	Mounting bracket	9769 HRM-1			9770 HRM-2	
Medium		Compressed air, filtered (lubricated or unlubricated)				
Design		Poppet valve, indirectly actuated with diaphragm control				
Mounting		Line fitting, mounting thread or mounting bracket				
Connection	Working line	G ¹ / ₄	G ³ / ₈	G ¹ / ₂	G ³ / ₄	G 1
	Pilot line	M5				
Nominal size		13 mm	13 mm	13 mm	20 mm	25 mm
Standard nominal flow rate (1 → 2)		2400 l/min	3800 l/min	4000 l/min	10 500 l/min	14 000 l/min
KV factor for water		25 l/min	36.5 l/min	54 l/min	130 l/min	195 l/min
Operating pressure range		1 to 10 bar				
Pilot pressure range		See graph above				
Min. pressure difference for opening		0.8 bar				
Response time at 6 bar	On	20 ms	20 ms	20 ms	30 ms	30 ms
	Off	12 ms	12 ms	12 ms	20 ms	30 ms
Temperature range		– 10 to + 60 °C				
Materials		Housing: plastic (POM), brass; Diaphragm: Perbunan				
Weight	Plastic version	0.140 kg	0.135 kg	0.130 kg	0.360 kg	0.330 kg
	Brass version	0.550 kg	0.525 kg	0.500 kg	1.240 kg	1.100 kg

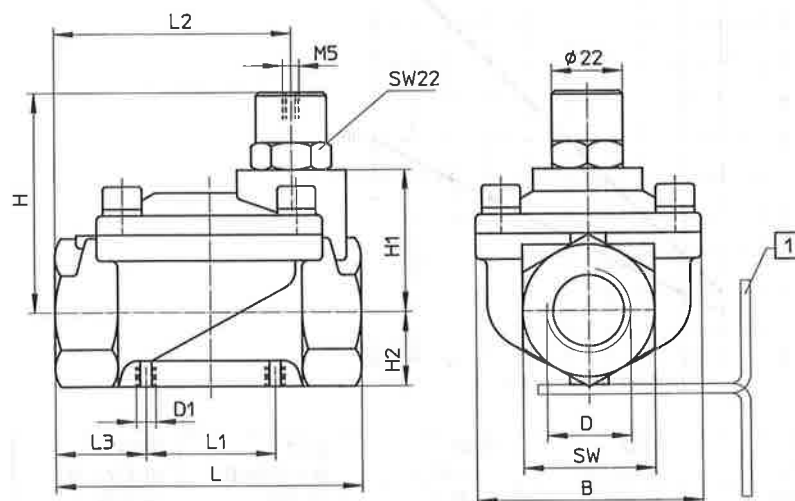
Type VLX-...



① Mounting bracket Type HRM-...

Type	B	D	D ₁	H	H ₁	H ₂	L	L ₁	L ₂	SW
VLX-2-1/4	47.5	G 1/4	M4	59	35	15	72.5	25	49	30
VLX-2-3/8	47.5	G 3/8	M4	59	35	15	72.5	25	49	30
VLX-2-1/2	47.5	G 1/2	M4	59	35	15	72.5	25	49	30
VLX-2-3/4-B	90	G 3/4	M6	70	46	23.2	105	40	77.5	41
VLX-2-1-B	90	G 1	M6	70	46	23.2	105	40	77.5	41

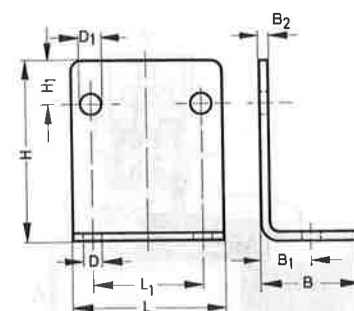
Type VLX-...-MS



① Mounting bracket Type HRM-...

Type	B	D	D ₁	H	H ₁	H ₂	L	L ₁	L ₂	L ₃	SW
VLX-2-1/4-MS	48	G 1/4	M4	56.5	32.5	15.5	67	25	47	21	27
VLX-2-3/8-MS	48	G 3/8	M4	56.5	32.5	15.5	67	25	47	21	27
VLX-2-1/2-MS	48	G 1/2	M4	56.5	32.5	15.5	67	25	47	21	27
VLX-2-3/4-MS	70	G 3/4	M6	68	44	23	95	40	73.5	28	41
VLX-2-1-MS	70	G 1	M6	68	44	23	95	40	73.5	28	41

Type HRM-...



Max. tightening torque:

Port 2(A) and 1(P) with G 1/4 5 Nm (0.5 kpm)
 G 3/8 15 Nm (1.5 kpm)
 G 1/2 20 Nm (2 kpm)
 G 3/4 30 Nm (3 kpm)
 G 1 40 Nm (4 kpm)

Type	B	B ₁	B ₂	D Ø	D ₁ Ø	H	H ₁	L	L ₁
HRM-1	25	12.5	2	6	5	37	10	40	25
HRM-2	35	17.5	3	7	7	66	16	55	40