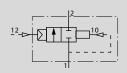
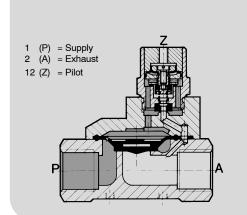


Single Pilot Valve

Brass Housing (NPT or ISO connections) Type VLX-...-MS

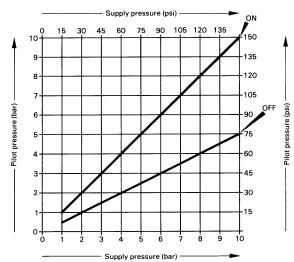




The valve is actuated only while pilot pressure is applied.

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

Minimum Pilot Pressure versus Supply Pressure



Type VLX-...-MS

Note: Minimum supply pressure is 15 psi / 1 bar.

Order Number	ISO Connection	34432	34433	34434	34435	34436				
	(Brass Housing)	VLX-2-1/4-MS	VLX-2-3/8-MS	VLX-2-1/2-MS	VLX-2-3/4-MS	VLX-2-1-MS				
	NPT Connection	34922	34923	34924	34925	34926				
	(Brass Housing)	VLX-2-1/4-MS-NPT	VLX-2-3/8-MS-NPT	VLX-2-1/2-MS-NPT	VLX-2-3/4-MS-NPT	VLX-2-1-MS-NPT				
	Hardware	9769 HRM-1			9770 HRM-2					
Medium		Compressed air (filtered, lubricated or unlubricated)								
Mounting		Two holes throu	Two holes through housing or on mounting bracket or in-line							
Connection	Working Ports	1/4 NPT /	3/8 NPT /	1/2 NPT /	3/4 NPT /	1 NPT /				
		G 1/4 ISO	G 3/8 ISO	G 1/2 ISO	G 3/4 ISO	G 1 ISO				
	Pilot Port	M5 suitable for 10-32 UNF								
Orifice Size		0.51 in /	0.51 in /	0.51 in /	0.79 in /	0.98 in /				
		13 mm	13 mm	13 mm	20 mm	25 mm				
C _V Factor 1 -> 2 (P->A)		2.4 C _V /	3.9 C _V /	4 _V / C	10.7 C _V /	14.2 C _V /				
		2400 l/min	3800 l/min	4000 l/min	10500 l/min	14000 l/min				
Supply Pressure Range*		15-150 psi / 1-10 bar								
Pilot Pressure Range		See graph								
Min. Differential Pressure to Open		12 psi / 0.8 bar								
Response Time at	On	20 ms	20 ms	20 ms	30 ms	30 ms				
90 psi / 6 bar	Off	12 ms	12 ms	12 ms	20 ms	30 ms				
Design		Diaphragm seat valve								
Materials		Housing: Brass; Diaphragm: Buna N								
Weight	Brass Housing	1.213 lb /	1.157 lb /	1.102 lb /	2.734 lb /	2.425 lb /				
		0.550 kg	0.525 kg	0.500 kg	1.240 kg	1.100 kg				

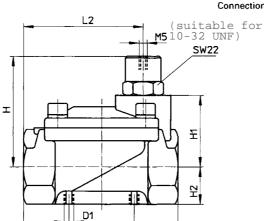
^{* 14} to 140°F / -10 to +60°C

1

Type VLX-...-MS

D SW

В



Max. tightening torque:

Max. tightening torque:

Connection A and P - 1/4" NPT / G 1/4 ISO.....43.40 lb in / 5 N·m

3/8" NPT / G 3/8 ISO.....133.20 lb in / 15 N·m

ble for 1/2" NPT / G 1/2 ISO.....177.60 lb in / 20 N·m

3/4" NPT / G 3/4 ISO.....266.40 lb in / 30 N·m

1" NPT / G 1 ISO 355.20 lb in / 40 N·m

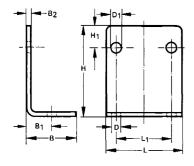
Dimensions

a 0.866 in / 22 mm

① Mounting Bracket Type HRM-... SW = wrench size, mm

Valve Type	B in / mm	TO THE REAL PROPERTY AND ADDRESS OF THE PARTY	D ₁	H in / mm	H ₂ in 2 mm	H2 in 7 mm	in / mm	L ₁ in / mm	L2 in 7 mm	L3 in 2 mm	
VLX-2-1/4-MS	1.89 / 48	1/4 NPT / G 1/4 ISO	M 4	2.22 / 56.5	1.28 / 32.5	0.61 / 15.5	2.64 / 67	0.98 / 25	1.85 / 47	0.83 / 21	1.06 / 27
VLX-2-3/8-MS	1.89 / 48	3/8 NPT / G 3/8 ISO	M 4	2.22 / 56.5	1.28 / 32.5	0.61 / 15.5	2.64 / 67	0.98 / 25	1.85 / 47	0.83 / 21	1.06 / 27
VLX-2-1/2-M\$	1.89 / 48	1/2 NPT / G 1/2 ISO	M 4	2.22 / 56.5	1.28 / 32.5	0.61 / 15.5	2.64 / 67	0.98 / 25	1.85 / 47	0.83 / 21	1.06 / 27
VLX-2-3/4-MS	2.76 / 70	3/4 NPT / G 3/4 ISO	M 6	2.68 / 68	1.73 / 44	0.91 / 23	3.74 / 95	1.57 / 40	2.89 / 73.5	1.10 / 28	1.61 / 41
VLX-2-1-MS	2.76 / 70	1 NPT / G 1 ISO	М 6	2.68 / 68	1.73 / 44	0.91 / 23	3.74 / 95	1.57 / 40	2.89 / 73.5	1.10 / 28	1.61 / 41

Type HRM-...



Flardware Type	B in/mm	B _j	in / mm	Dia Dia in/mm	D ₁ Dia in/mm	hl in:/mm	H1 In/mm	L In / mm	in/mm
HRM-1	0.98 / 25	0.49 / 12.5	0.08 / 2	0.23 / 6	0.20 / 5	1.46 / 37	0.39 / 10	1.57 / 40	0.98 / 25
HRM-2	1.37 / 35	0.69 / 17.5	· 0.12/3	0.27 / 7	0.27 / 7	2.60 / 66	0.63 / 16	2.16 / 55	1.57 / 40

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