

Pneumatic valves VLX

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Pneumatic valves VLX

Product range overview and type codes

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General information

-N- G $\frac{1}{4}$... G1

-  - Standard nominal flow rate
2,400 ... 14,000 l/min

Design

- Poppet valve, indirectly actuated with diaphragm control

Note

Attention: If the pressure is switched on, the valve will open briefly.

Design	Type	Process valve connection	Nominal size DN	→ Page/Internet
	VLX-2-...	G $\frac{1}{4}$	13	3
		G $\frac{3}{8}$	13	
		G $\frac{1}{2}$	13	
		G $\frac{3}{4}$	20	
		G1	25	

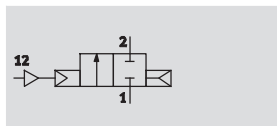
VLX	-	2	-	$\frac{1}{4}$	-	MS	-													
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Technical data

Function



-N- G $\frac{1}{4}$... G1

-  - Standard nominal flow rate
2,400 ... 14,000 l/min

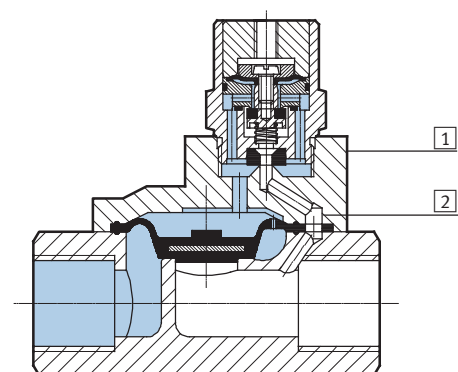


General technical data					
	VLX-2-1/4-MS	VLX-2-3/8-MS	VLX-2-1/2-MS	VLX-2-3/4-MS	VLX-2-1-MS
Process valve connection	G $\frac{1}{4}$	G $\frac{3}{8}$	G $\frac{1}{2}$	G $\frac{3}{4}$	G1
Nominal size DN	13	13	13	20	25
Auxiliary pilot air port 12	M5				
Valve function	2/2-way, single pilot, closed				
Design	Diaphragm valve				
Type of mounting	In-line installation				
Actuation type	Pneumatic				
Type of control	Piloted				
Reset method	Pneumatic spring				
Mounting position	Any				
Sealing principle	Soft				
Direction of flow	Non-reversible				
Exhaust function	No flow control				
Product weight [g]	490	470	450	1,135	1,010

Operating and environmental conditions					
	VLX-2-1/4-MS	VLX-2-3/8-MS	VLX-2-1/2-MS	VLX-2-3/4-MS	VLX-2-1-MS
Standard nominal flow rate [l/min]	2,400	3,800	4,000	10,500	14,000
Operating pressure [bar]	1 ... 10				
Medium	Filtered compressed air, degree of filtration 200 μ m				
Pilot medium	Compressed air to ISO 8573-1:2010 [7:-:-]				
Ambient temperature [°C]	-10 ... 60				
Temperature of medium [°C]	-10 ... 80				

Materials

Sectional view



Pneumatic valves	
1 Housing	Brass
2 Screws	High-alloy stainless steel
- Material number, screw	1.4301

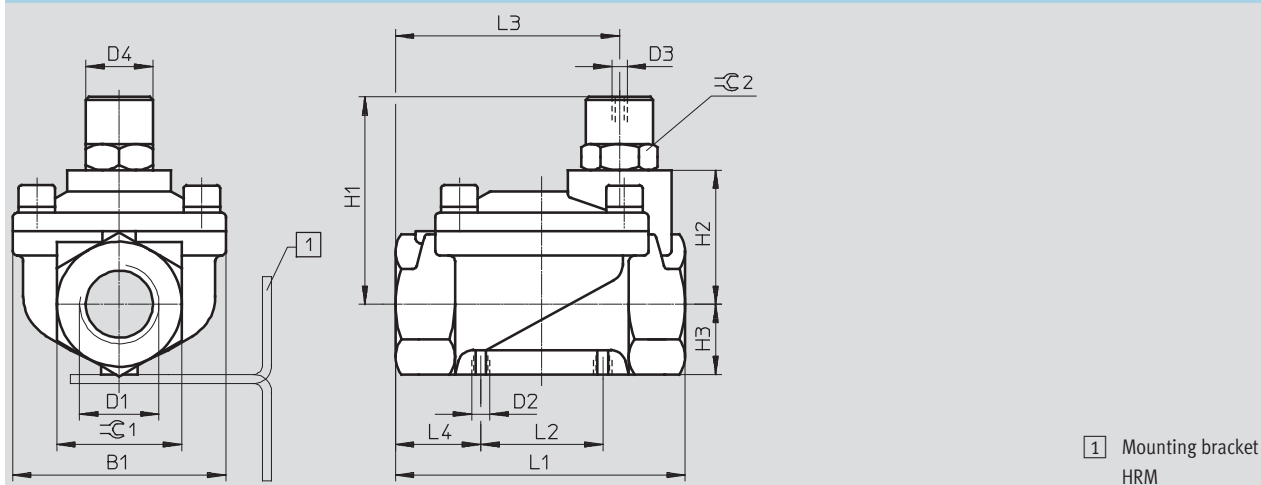
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Technical data

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Dimensions

Download CAD Data → www.festo.com/us/cad



Type	B1	D1	D2	D3	D4 Ø	H1	H2	H3	L1	L2	L3	L4	≈C 1	≈C 2
VLX-2-1/4-MS	48	G1/4	M4	M5	22	56.5	32.5	15.5	67	25	47	21	27	22
VLX-2-3/8-MS	48	G3/8	M4	M5	22	56.5	32.5	15.5	67	25	47	21	27	22
VLX-2-1/2-MS	48	G1/2	M4	M5	22	56.5	32.5	15.5	67	25	47	21	27	22
VLX-2-3/4-MS	70	G3/4	M6	M5	22	68	44	23	95	40	73.5	28	41	22
VLX-2-1-MS	70	G1	M6	M5	22	68	44	23	95	40	73.5	28	41	22

Ordering data

	Process valve connection	Part No.	Type
	G1/4	34432	VLX-2-1/4-MS
	G3/8	34433	VLX-2-3/8-MS
	G1/2	34434	VLX-2-1/2-MS
	G3/4	34435	VLX-2-3/4-MS
	G1	34436	VLX-2-1-MS

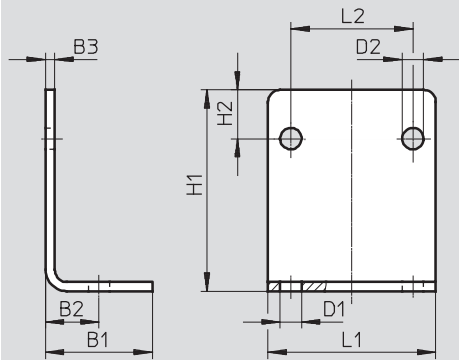
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Accessories

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Dimensions

Download CAD Data → www.festo.com/us/cad



Type	B1	B2	B3	D1 Ø	D2 Ø	H1	H2	L1	L2 ±0.1
HRM-1	25	12.5	2	6	5	37	10	40	25
HRM-2	35	17.5	3	7	7	66	16	55	40

Ordering data

	Mounting bracket	Part No.	Type
	For type VLX-2-1/4, VLX-2-3/8, VLX-2-1/2	9769	HRM-1
	For type VLX-2-3/4, VLX-2-1	9770	HRM-2

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