

## Hand slide valves VBOH

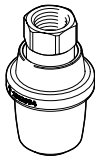
**FESTO**



# Hand slide valves VBOH

## Product range overview and type codes

Product range overview

Version	Valve function	Version	Type	Pneumatic connection 1	Pneumatic connection 2	qnN [l/min]	→ Page/ Internet
Hand slide valves	3/2-way, bistable		VBOH	M5, G1/8, G1/4, G3/8, G1/2, G3/4	M5, G1/8, G1/4, G3/8, G1/2, G3/4	236 ... 7691	3

Type codes

001	Series
VBOH	Hand slide valve

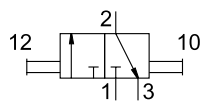
  




002	Valve function
32	3/2-way valve

003	Pneumatic connection 1
M5	M5
G18	G1/8
G14	G1/4
G38	G3/8
G12	G1/2
G34	G3/4

## Data sheet

## Function



-  - Standard nominal flow rate  
236 ... 7691 l/min
-  - Temperature range  
-10 ... +80 °C
-  - Operating pressure  
-0.095 ... +1.2 MPa



Hand slide valves VBOH are used as a shut-off function for pressurising and exhausting compressed air systems, for example upstream of service unit

combinations, for air guns and also for exhausting pneumatic cylinders.

- Non-overlapping, so no pressure losses when switching
- Minimal installation effort
- High flow rate and operating pressure
- Exclusive design

**Note**

Only use fittings with a cylindrical thread.  
Inappropriate mounting of fittings with a conical thread may damage the housing and thereby cause the sleeve to get jammed or to malfunction.

**General technical data**

Pneumatic connection 1	M5	G1/8	G1/4	G3/8	G1/2	G3/4
Pneumatic connection 2	M5	G1/8	G1/4	G3/8	G1/2	G3/4
Grid dimension [mm]	17	24	31	39.5	45	57.5
Nominal width [mm]	3.6	5.7	8.4	9.9	12.1	19.3
Design	Sleeve valve					
Valve function	3/2-way, bistable					
Actuation type	Manual					
Actuating force [N]	14	17	45	41	37	70
Type of mounting	Screw-in In-line installation					
Mounting position	Any					
Sealing principle	Soft					
Type of control	Direct					

**Characteristic flow rate values**

Pneumatic connection 1	M5	G1/8	G1/4	G3/8	G1/2	G3/4
Standard nominal flow rate $q_{N1}$ [l/min]	236	777	1675	2201	3420	7691

1) Measured at  $p_1 = 6$  bar and  $p_2 = 5$  bar,  $\Delta p = 1$  bar

**Operating and environmental conditions**

Operating pressure	[MPa]	-0.095 ... +1.2
	[bar]	-0.95 ... +12
	[psi]	-13.775 ... +174
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]	
Note on the operating/pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)	
PWIS conformity	VDMA24364-B2-L	
Ambient temperature [°C]	-10 ... +80	
Temperature of medium [°C]	-10 ... +80	
Corrosion resistance CRC <sup>1)</sup>	2	

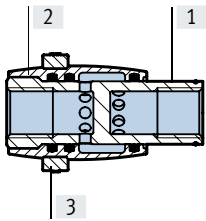
1) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

## Data sheet

### Materials

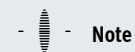
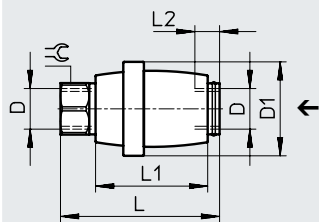
Sectional view



Hand slide valve		
[1]	Screwed trunnion	Anodised wrought aluminium alloy
[2]	Housing	Anodised wrought aluminium alloy
[3]	Grip ring	PBT
-	Seals	NBR
Note on materials		RoHS-compliant

### Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)



**Note**

Grip ring is marked with an arrow to indicate the flow direction.

← Flow direction

Type	Connection D	D1 ø	L	L1	L2	⌀
VBOH-32-M5	<b>M5</b>	17	35.6	24.5	5	8
VBOH-32-G18	<b>G1/8</b>	24	38.5	27	9	13
VBOH-32-G14	<b>G1/4</b>	31	52.5	37	13	17
VBOH-32-G38	<b>G3/8</b>	39.5	60.5	42	13.5	22
VBOH-32-G12	<b>G1/2</b>	45	60.5	42	15	27
VBOH-32-G34	<b>G3/4</b>	57.5	82	56.5	17	32

### Ordering data

	Pneumatic connection		Standard nominal flow rate qnN [l/min]	Weight [g]	Part no.	Type
	1	2				
	M5	M5	236	8	<b>1609969</b>	<b>VBOH-32-M5</b>
	G1/8	G1/8	777	17	<b>1558073</b>	<b>VBOH-32-G18</b>
	G1/4	G1/4	1675	35	<b>1302994</b>	<b>VBOH-32-G14</b>
	G3/8	G3/8	2201	70	<b>1482679</b>	<b>VBOH-32-G38</b>
	G1/2	G1/2	3420	90	<b>1587988</b>	<b>VBOH-32-G12</b>
	G3/4	G3/4	7691	183	<b>1629664</b>	<b>VBOH-32-G34</b>