



Hand slide valves W/VBOW



# Hand slide valves W/VBOW

Product range overview

**FESTO**

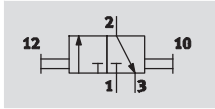
Version	Valve function	Version	Type	Pneumatic connection 1	Pneumatic connection 2	qnN [l/min]	→ Page/ Internet
Hand slide valves	3/2-way, bi-stable		W	M5, G1/8, G1/4, G3/8, G1/2, G3/4	M5, G1/8, G1/4, G3/8, G1/2, G3/4	120 ... 6,800	3
			VBOW	G1/4	G1/4	1,675	5

# Hand slide valves W

Technical data

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Function



- - Flow rate  
120 ... 6,800 l/min
- - Temperature range  
-10 ... +60 °C
- - Operating pressure  
-0.95 ... +10 bar

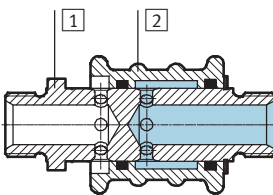


General technical data						
Pneumatic connection 1	M5	G1/8	G1/4	G3/8	G1/2	G3/4
Pneumatic connection 2	M5	G1/8	G1/4	G3/8	G1/2	G3/4
Nominal size [mm]	2.5	3	7	9	12	18
Design	Sleeve valve					
Valve function	3/2-way, bi-stable					
Actuation type	Manual					
Actuating force [N]	10	10	20	20	20	30
Type of mounting	Screw-in In-line installation					
Mounting position	Any					
Sealing principle	Soft					
Type of control	Direct					
Direction of flow	Reversible					

Operating and environmental conditions						
Pneumatic connection 1	M5	G1/8	G1/4	G3/8	G1/2	G3/4
Operating pressure [bar]	-0.95 ... +8	-0.95 ... +10				
Operating medium	Filtered compressed air, lubricated or unlubricated, grade of filtration 40 µm Vacuum					
Ambient temperature [°C]	-10 ... +60					
Temperature of medium [°C]	-10 ... +60					

## Materials

Sectional view



Hand slide valve		
1	Threaded plug	Anodised wrought aluminium alloy
2	Housing	Brass
-	Seals	NBR

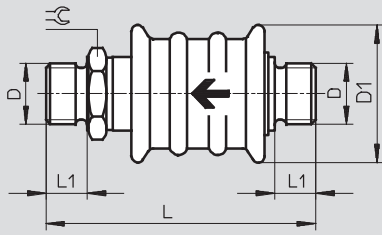
# Hand slide valves W

Technical data

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## Dimensions

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



← Flow direction

Type	Connection D	D1 ∅	L	L1	≅
W-3-M5	M5	20	46.4	5.0	9
W-3-1/8	G1/8	24	51.3	6.5	14
W-3-1/4	G1/4	35	70.4	8.0	17
W-3-3/8	G3/8	45	79.4	9.0	27
W-3-1/2	G1/2	45	82.4	10.5	27
W-3-3/4	G3/4	50	99.0	12.0	32

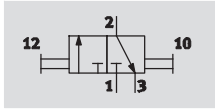
## Ordering data




	Pneumatic connection		Standard nominal flow rate qnN [l/min]	Weight [g]	Part No.	Type
	1	2				
	M5	M5	120	25	4451	W-3-M5
	G1/8	G1/8	600	40	2339	W-3-1/8
	G1/4	G1/4	1,000	110	2340	W-3-1/4
	G3/8	G3/8	1,400	280	2341	W-3-3/8
	G1/2	G1/2	2,000	300	2342	W-3-1/2
	G3/4	G3/4	6,800	400	4052	W-3-3/4

# Hand slide valves VBOW

Technical data

Function



-  Flow rate  
1,675 l/min
-  Temperature range  
-10 ... +80 °C
-  Operating pressure  
-0.95 ... +12 bar



General technical data	
Pneumatic connection 1, 2	G $\frac{1}{4}$
Nominal size [mm]	8.4
Design	Sleeve valve
Valve function	3/2-way, bi-stable
Actuation type	Manual
Actuating force [N]	45
Type of mounting	Screw-in In-line installation
Mounting position	Any
Sealing principle	Soft
Type of control	Direct
Direction of flow	Reversible
C value [l/(s*bar)]	7.036
b value	0.330

Operating and environmental conditions	
Operating pressure [bar]	-0.95 ... +12
Operating medium	Filtered compressed air, lubricated or unlubricated, grade of filtration 40 µm Vacuum
Ambient temperature [°C]	-10 ... +80
Temperature of medium [°C]	-10 ... +80
Corrosion resistance class CRC <sup>1)</sup>	2

1) Corrosion resistance class 2 according to Festo standard 940 070  
Components subject to moderate corrosion stress. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents.

## Materials

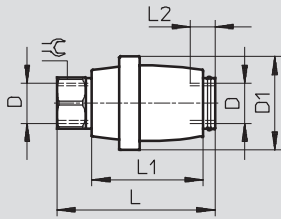
Sectional view		
	Hand slide valve	
	1 Threaded plug	Anodised wrought aluminium alloy
	2 Housing	Anodised wrought aluminium alloy
	3 Grip ring	PBT
	- Seals	NBR
Note on materials		RoHS-compliant


# Hand slide valves VBOW


Technical data

**Dimensions**


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



 - Note  
Grip ring marked with direction arrow for the flow direction.

Type	Connection D	D1 ∅	L	L1	L2	
VBOW-32-G14	G1/4	31	52.5	37	13	17

**Ordering data**

	Pneumatic connection		Standard nominal flow rate qnN	Weight	Part No.	Type
	1	2	[l/min]	[g]		
	G1/4	G1/4	1,675	35	<b>1302994</b>	<b>VBOW-32-G14</b>