

Characteristics

At a glance

Innovative:

- Small and compact for a wide range of pneumatic applications
- Numerous valve functions can be selected: 3/2-way and 5/2-way functions
- With a flow rate of up to 1200 l/min, the valves offer high pneumatic performance for a wide range of tasks
- Lightweight
- Minimal actuating forces

Versatile:

- The flexibility of pneumatic working ports provides a practical way of solving individual requirements
- The 3/2-way valve can be used in normally closed (NC) or in normally open (NO) position
- Circular silencer or ducted exhaust air
- Suitable for vacuum
- Reverse operation possible
- Pressure range from vacuum to 10 bar possible
- Design as pushbutton valve, toggle lever valve, finger lever valve, hand lever valve, hand lever valve sideways, selector valve, selector valve sideways

Operationally safe:

- Durable due to proven piston slide and disc seat valves
- Sturdy design: basic valve made of metal, cover made of polymer
- Easy to assemble:
- Can be mounted using mounting holes
- Almost all valves can be mounted on a front panel (not possible with finger lever valve)

Common features:

- Mechanical spring
- Vacuum operation possible
- Reversible
- Directly actuated
- Ducted exhaust air

Product segmentation



Festo Core Range

Solves the majority of your automation tasks

With the Festo Core Range, we have selected the most important products and functions from our broad product catalogue, and added the quickest delivery. the Core Range offers you the best value with the expected high Festo quality.

- Quickest delivery, worldwide – wherever, whenever
- Expected high Festo quality
- Easy and fast to select

Valve function

[M32] 3/2-way valve, normally closed or open	[B32] 3/2-way valve, double solenoid/bistable
Normally open/closed	Normally open/closed
Non-detenting (monostable) bistable	Detenting (bistable)
[M52] 5/2-way valve, single solenoid/monostable	[B52] 5/2-way valve, double solenoid/bistable
Resetting	Resetting
Non-detenting (monostable) bistable	Detenting (bistable)
[B53C] 5/3-way valve, detenting, mid-position closed	[B53E] 5/3-way valve, detenting, mid-position exhausted
Detenting (bistable)	Mid-position closed detenting
	Mid-position exhausted

## Type code

001	Series	
VHEF	Manually actuated valve	

002	Actuation type	
E	Selector switch	
ES	Selector switch, on the side	
H	Hand lever, top	
HS	Hand lever, on the side	
L	Finger lever	
P	Pushbutton	
V	Toggle lever, top	

003	Design principle	
	Piston spool	
T	Poppet valve	

004	Type of control	
	Directly actuated	
C	Indirectly actuated	

005	Pilot air	
	Internal	
Z	External	

006	Valve function	
M32	3/2-way valve, normally closed or open	
B32	3/2-way valve, double solenoid/bistable	
B52	5/2-way valve, double solenoid/bistable	
M52	5/2-way valve, single solenoid/monostable	
P53E	5/3-way valve, mid-position exhausted	
B53E	5/3-way valve, detenting, mid-position exhausted	
P53C	5/3-way valve, mid-position closed	
B53C	5/3-way valve, detenting, mid-position closed	

007	Reset method for monostable/single solenoid valves	
	None	
E	Pneumatic spring, external	
M	Mechanical spring	

008	Pneumatic connection	
G18	G1/8	
G14	G1/4	