

Hand lever valves VHER/HS

Key features

FESTO



Powerful

-  - Flow rate
130 ... 4,300 l/min

Versatile

- 4/3-way valve
mid-position closed
mid-position exhausted
- Connections: M5, G $\frac{1}{8}$, G $\frac{1}{4}$, G $\frac{1}{2}$
- 3/3-way valve
The hand lever valves VHER and HS can be used as 3/3-way valves by sealing port 2

Practical

With these valves it is possible to stop single-acting cylinders (3/3-way valve) or double-acting cylinders (4/3-way valve) within the stroke range.

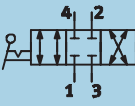
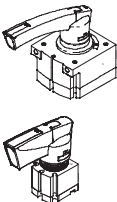
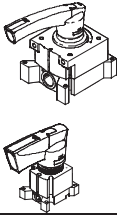
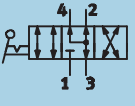
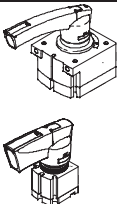
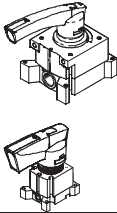
In mid-position closed, the drive piston moves until the forces are balanced.

In mid-position exhausted the piston can be moved manually; only the frictional forces have to be overcome.

Hand lever valves VHER

Product range overview

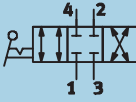
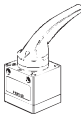
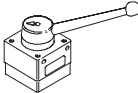
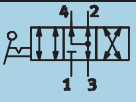
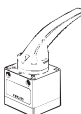
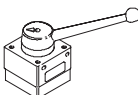
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Function	Version	Type	Nominal	Lever				Connection				→ Page
			flow rate	Plastic		Metal		M5	G1/8	G1/4	G1/2	
			[l/min]	small	large	small	large					
	Ports underneath											
		VHER-AH-M04C-G18-UD	800	–	–	■	–	–	■	–	–	2 / 4.6-45
		VHER-AH-M04C-G14-UD	1,500	–	–	–	■	–	–	■	–	
		VHER-AH-M04C-G12-UD	4,300	–	–	–	■	–	–	–	■	
		VHER-BH-M04C-M05-UD	260	■	–	–	–	■	–	–	–	2 / 4.6-52
		VHER-BH-M04C-G18-UD	800	■	–	–	–	–	■	–	–	
		VHER-BH-M04C-G14-UD	1,500	–	■	–	–	–	–	■	–	
		VHER-BH-M04C-G12-UD	4,300	–	■	–	–	–	–	–	■	
	Ports at side											
		VHER-AH-M04C-G18-LD	600	–	–	■	–	–	■	–	–	2 / 4.6-45
		VHER-AH-M04C-G14-LD	1,150	–	–	–	■	–	–	■	–	
		VHER-AH-M04C-G12-LD	3,500	–	–	–	■	–	–	–	■	
		VHER-BH-M04C-M05-LD	170	■	–	–	–	■	–	–	–	2 / 4.6-52
		VHER-BH-M04C-G18-LD	600	■	–	–	–	–	■	–	–	
		VHER-BH-M04C-G14-LD	1,150	–	■	–	–	–	–	■	–	
		VHER-BH-M04C-G12-LD	3,500	–	■	–	–	–	–	–	■	
	Ports underneath											
		VHER-AH-M04E-G18-UD	800	–	–	■	–	–	■	–	–	2 / 4.6-45
		VHER-AH-M04E-G14-UD	1,500	–	–	–	■	–	–	■	–	
		VHER-AH-M04E-G12-UD	4,300	–	–	–	■	–	–	–	■	
		VHER-BH-M04E-M05-UD	260	■	–	–	–	■	–	–	–	2 / 4.6-52
		VHER-BH-M04E-G18-UD	800	■	–	–	–	–	■	–	–	
		VHER-BH-M04E-G14-UD	1,500	–	■	–	–	–	–	■	–	
		VHER-BH-M04E-G12-UD	4,300	–	■	–	–	–	–	–	■	
	Ports at side											
		VHER-AH-M04E-G18-LD	600	–	–	■	–	–	■	–	–	2 / 4.6-45
		VHER-AH-M04E-G14-LD	1,150	–	–	–	■	–	–	■	–	
		VHER-AH-M04E-G12-LD	3,500	–	–	–	■	–	–	–	■	
		VHER-BH-M04E-M05-LD	170	■	–	–	–	■	–	–	–	2 / 4.6-52
		VHER-BH-M04E-G18-LD	600	■	–	–	–	–	■	–	–	
		VHER-BH-M04E-G14-LD	1,150	–	■	–	–	–	–	■	–	
		VHER-BH-M04E-G12-LD	3,500	–	■	–	–	–	–	–	■	

Hand lever valves HS/HSO

Product range overview

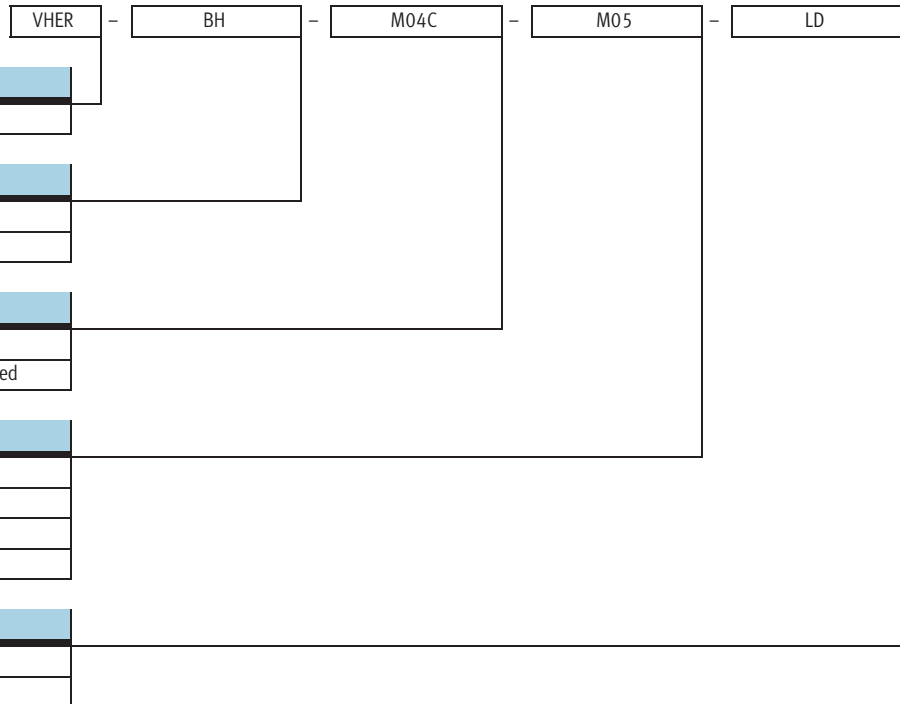
FESTO

Function	Version	Type	Nominal flow rate [l/min]	Lever			Connection				→ Page	
				Plastic		Metal	M5	G1/8	G1/4	G1/2		
				small	large	large						
		HS-4/3-M5	130	■	-	-	■	-	-	-	2 / 4.6-52	
		HS-4/3-1/8-B	700	■	-	-	-	■	-	-		
			HS-4/3-1/4	1,200	-	■	-	-	-	■		-
			HS-4/3-1/2-B	3,500	-	-	■	-	-	-		■
		HSO-4/3-M5	130	■	-	-	■	-	-	-	2 / 4.6-52	
		HSO-4/3-1/8-B	700	■	-	-	-	■	-	-		
			HSO-4/3-1/4	1,200	-	■	-	-	-	■		-
			HSO-4/3-1/2-B	3,500	-	-	■	-	-	-		■

Hand lever valves VHER

Type codes

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Type	
VHER	Hand lever valve with detent

Construction	
AH	Lever in metal version
BH	Lever in polymer version

Valve function	
M04C	4/3-way valve, mid-position closed
M04E	4/3-way valve, mid-position exhausted

Connection	
M05	M5 (polymer version only)
G18	G $\frac{1}{8}$
G14	G $\frac{1}{4}$
G12	G $\frac{1}{2}$

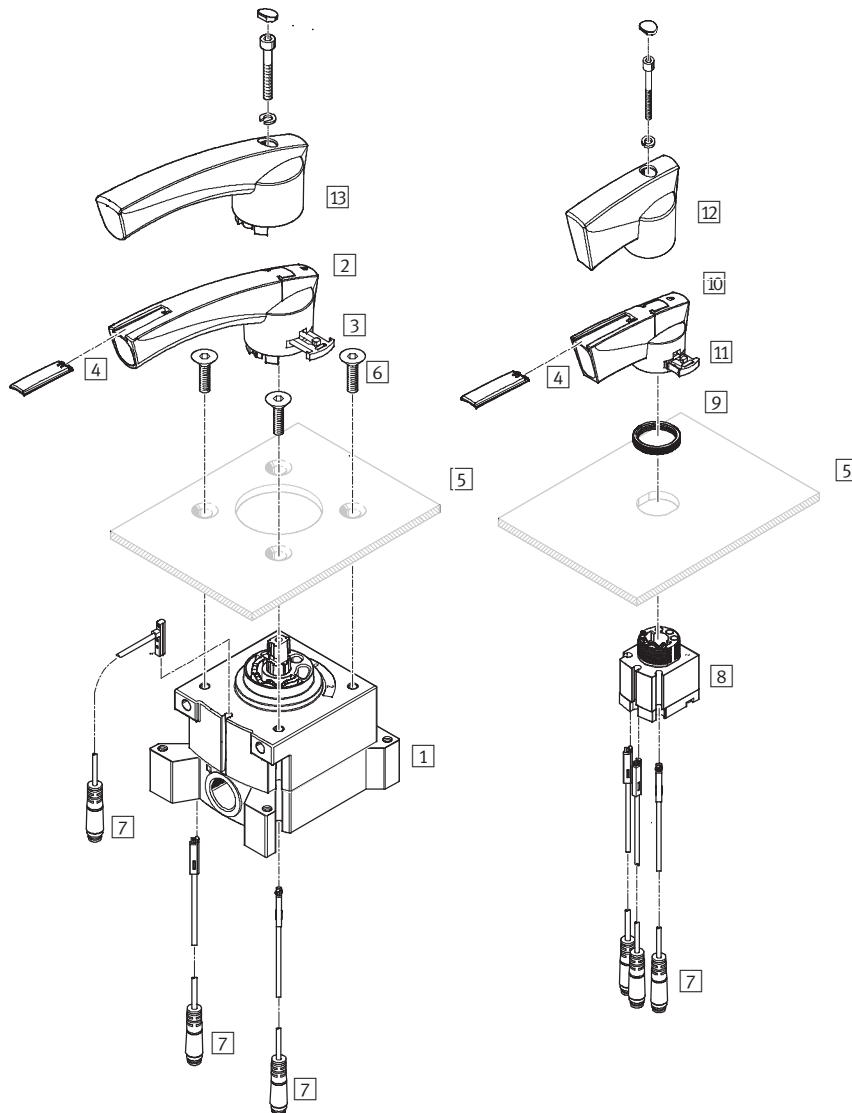
Connection type	
LD	To the side
UD	Underneath

Hand lever valves VHER

Peripherals overview

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Control panel installation



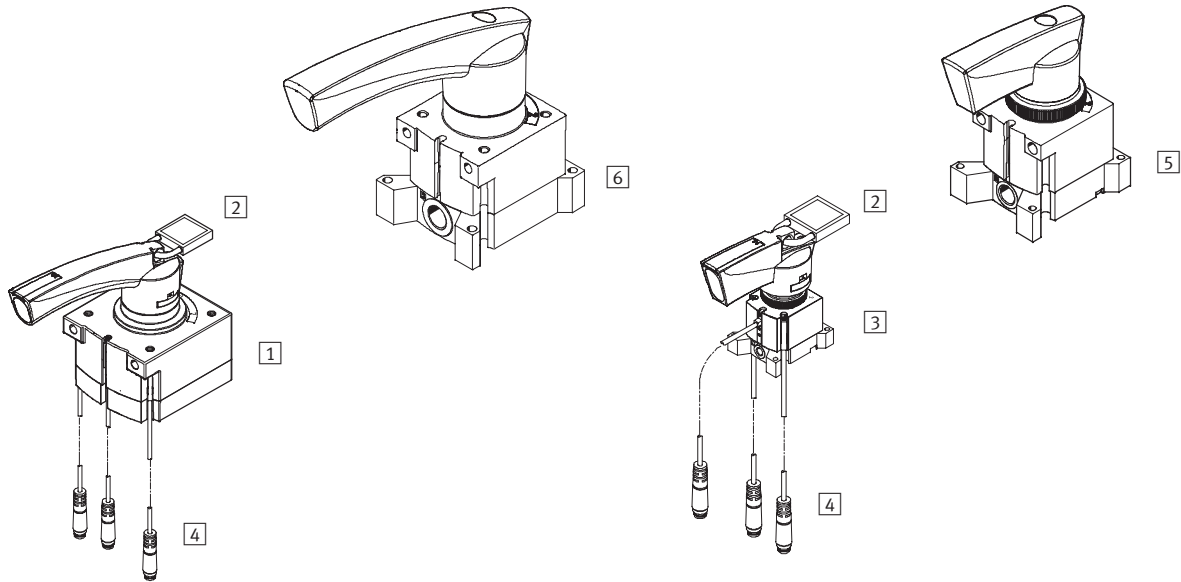
Component parts and accessories	Brief description	→ Page
1 Hand lever valves VHER	Connection size G $\frac{1}{8}$ and G $\frac{1}{2}$	2 / 4.6-45
2 Actuating lever	Large, polymer	–
3 Lever securing clip	Large	–
4 Inscription label		–
5 Control panel	Not included in scope of delivery	–
6 Mounting screws	Not included in scope of delivery	–
7 Proximity sensor SME-10-L, SME-10-Q	Not included in scope of delivery	→ Volume 1
8 Hand lever valves VHER	Connection size M5 and G $\frac{1}{8}$	2 / 4.6-45
9 Knurled nut	Control panel mounting	–
10 Actuating lever	Small, polymer	–
11 Lever securing clip	Small	–
12 Actuating lever	Small, metal	–
13 Actuating lever	Large, metal	–

Hand lever valves VHER

Peripherals overview



Assembled valves with accessories



Component parts and accessories	Brief description	→ Page
1 Hand lever valves VHER	Connection size G $\frac{1}{4}$ and G $\frac{1}{2}$ with polymer lever	2 / 4.6-52
2 Padlock	Not included in scope of delivery	–
3 Hand lever valves VHER	Connection size M5 and G $\frac{1}{8}$ with polymer lever	2 / 4.6-52
4 Proximity sensor SME-10F-... L-... , SME-10F-... Q-...	Not included in scope of delivery	→ Volume 1
5 Hand lever valves VHER	Connection size G $\frac{1}{8}$ with metal lever	2 / 4.6-45
6 Hand lever valves VHER	Connection size G $\frac{1}{4}$ and G $\frac{1}{2}$ with metal lever	2 / 4.6-45

Hand lever valves VHER-AH

Technical data VHER with metal lever

FESTO

-  - Flow rate
600 ... 4,300 l/min

-  - Pressure
-0.95 ... +10 bar

-  - Temperature range
-20 ... +80 °C



General technical data						
Pneumatic connection			G1/8	G1/4	G1/2	
Valve function			4/3-way, closed or exhausted			
Design			Rotary slide valve			
Sealing principle			Hard			
Type of mounting			Option of front panel mounting or through-holes			
Pilot control mode			Direct			
Actuation type			Manual			
Actuating lever			Metal			
Switching position display			Via accessories			
Assembly position			Any			
Direction of flow			Reversible			
Non-overlapping			Yes			
Exhaust function			Flow control			
Standard nominal flow rate	Ports at side	[l/min]	600	1,150	3,500	
	Ports underneath	[l/min]	800	1,500	4,300	
Nominal size		[mm]	6	8	12	
Pneumatic connection 1,2,3,4			G1/8	G1/4	G1/2	
Actuating torque at 10 bar			[Nm]	1.1	2.8	5

Operating and environmental conditions			
Operating medium		Filtered compressed air, lubricated or unlubricated, grade of filtration 40µm	
Operating pressure		[bar]	-0.95 ... 10
Ambient temperature		[°C]	-20 ... +80
Corrosion resistance class		[CRC]	2 ¹⁾

1) Corrosion resistance class 2 according to Festo standard 940 070
Components requiring moderate corrosion resistance. 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.

Proximity sensors for switching position display			
Pneumatic connection	Connection direction	Type	
		SME-10F-... L-...	SME-10F-... Q-...
G $\frac{1}{8}$	Underneath (UD)	■	■
	Side (LD)	-	■
G $\frac{1}{4}$	Underneath	■	■
	Side	-	■
G $\frac{1}{2}$	Underneath	■	■
	Side	-	■

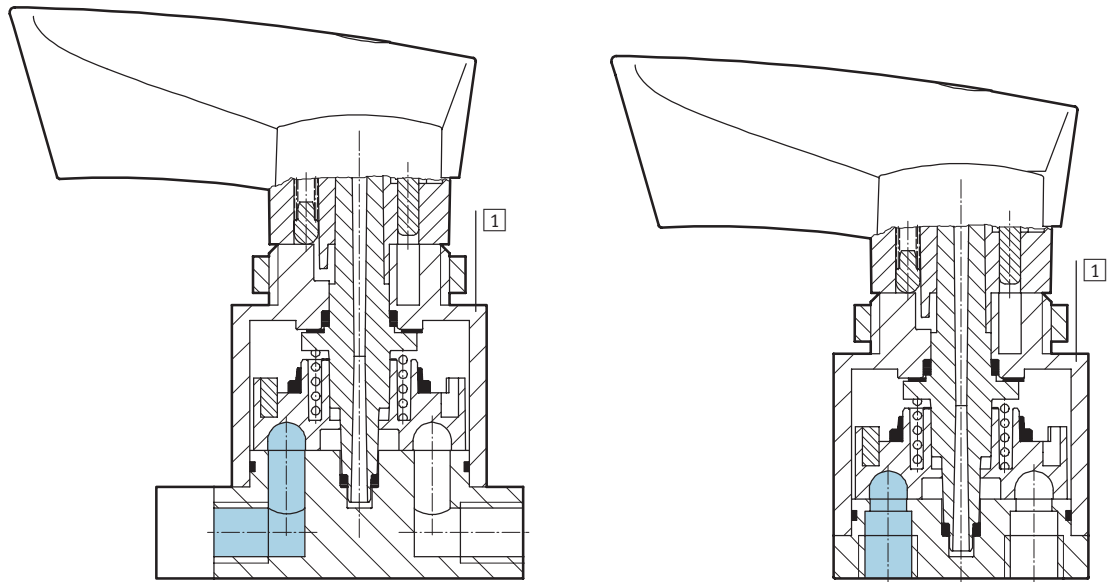
Hand lever valves VHER-AH

Technical data VHER with metal lever



Sectional view

Hand lever valves VHER-AH...



Materials		
1	Housing	Die-cast aluminium
-	Seals	Nitrile rubber
-		Contains PWIS (paint wetting impairment substances)
-		Free of copper and PTFE

Hand lever valves VHER-AH

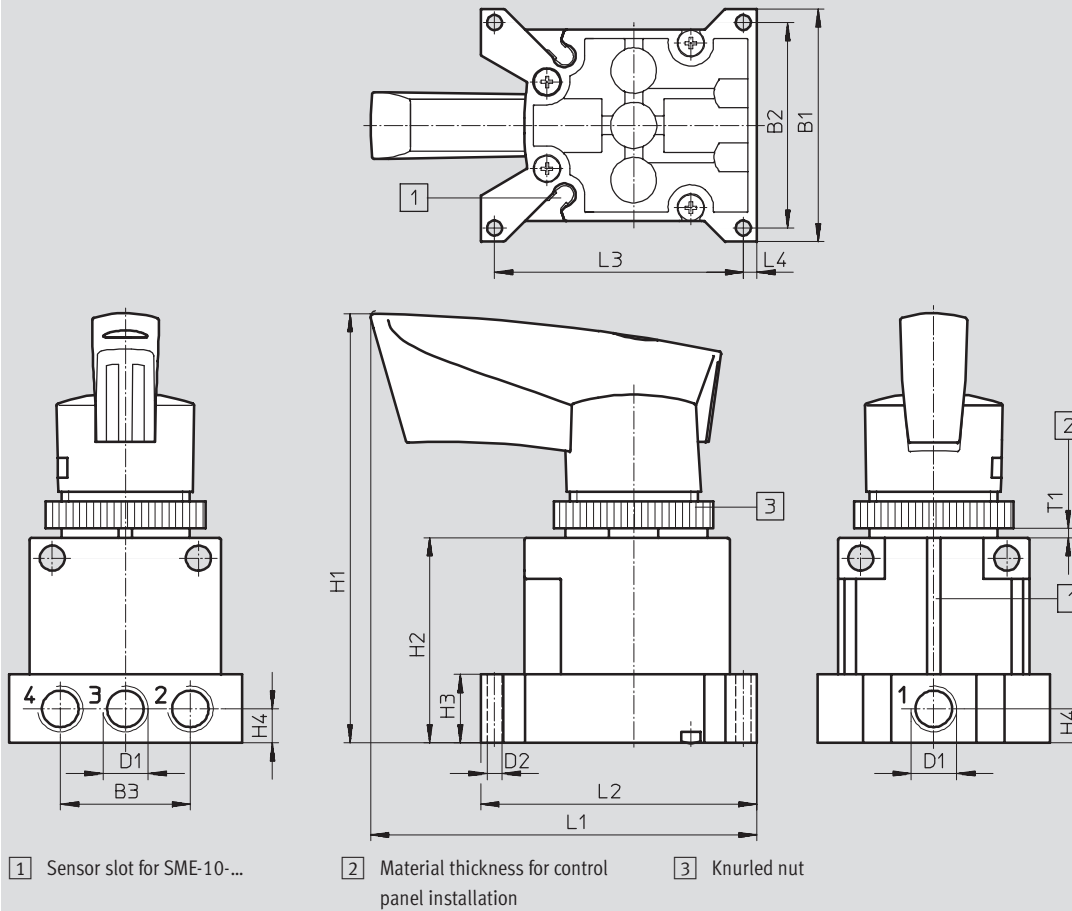
Technical data VHER with metal lever

FESTO

Dimensions

Download CAD data → www.festo.com/en/engineering

Ports G $\frac{1}{8}$, side



Type	B1	B2	B3	D1	D2 Ø	H1	H2	H3	H4	L1	L2	L3	L4	T1
VHER-AH-...-G18-LD	51	45	28.5	G $\frac{1}{8}$	3	94	45	15	7.5	85	60.5	54.5	3	2 ... 4

Hand lever valves VHER-AH

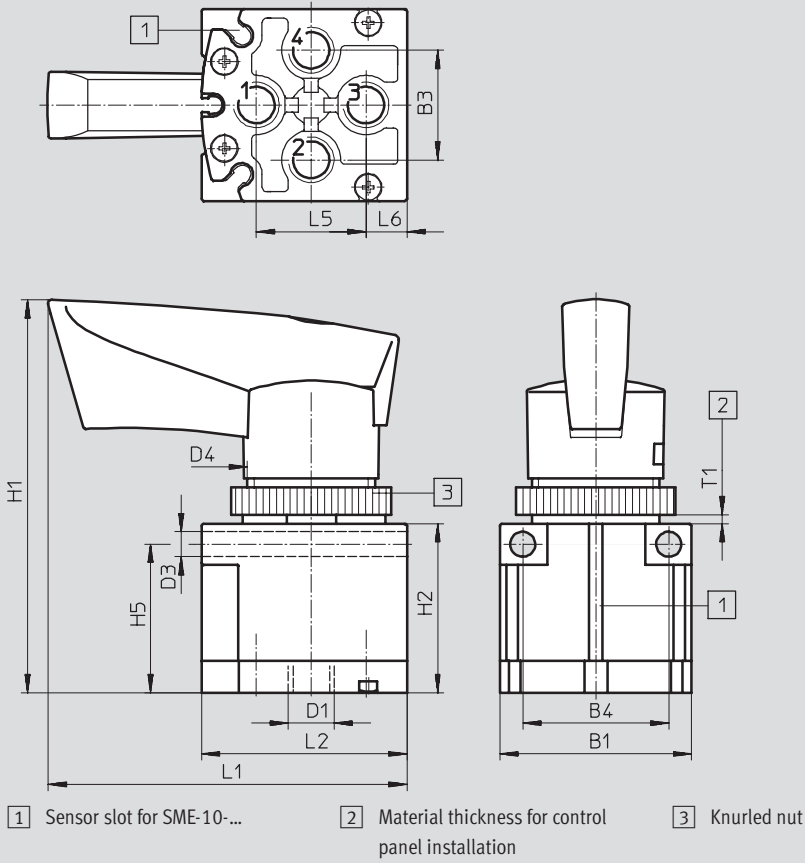
Technical data VHER with metal lever

FESTO

Dimensions

Download CAD data → www.festo.com/en/engineering

Ports G1/8, underneath



Type	B1	B3	B4	D1	D3 Ø	D4	H1	H2	H5	L1	L2	L5	L6	T1
VHER-AH-...-G18-UD	42	24	32	G1/8	5.5	M30	87	37	32.5	79	45	24	9	2 ... 4

Hand lever valves VHER-AH

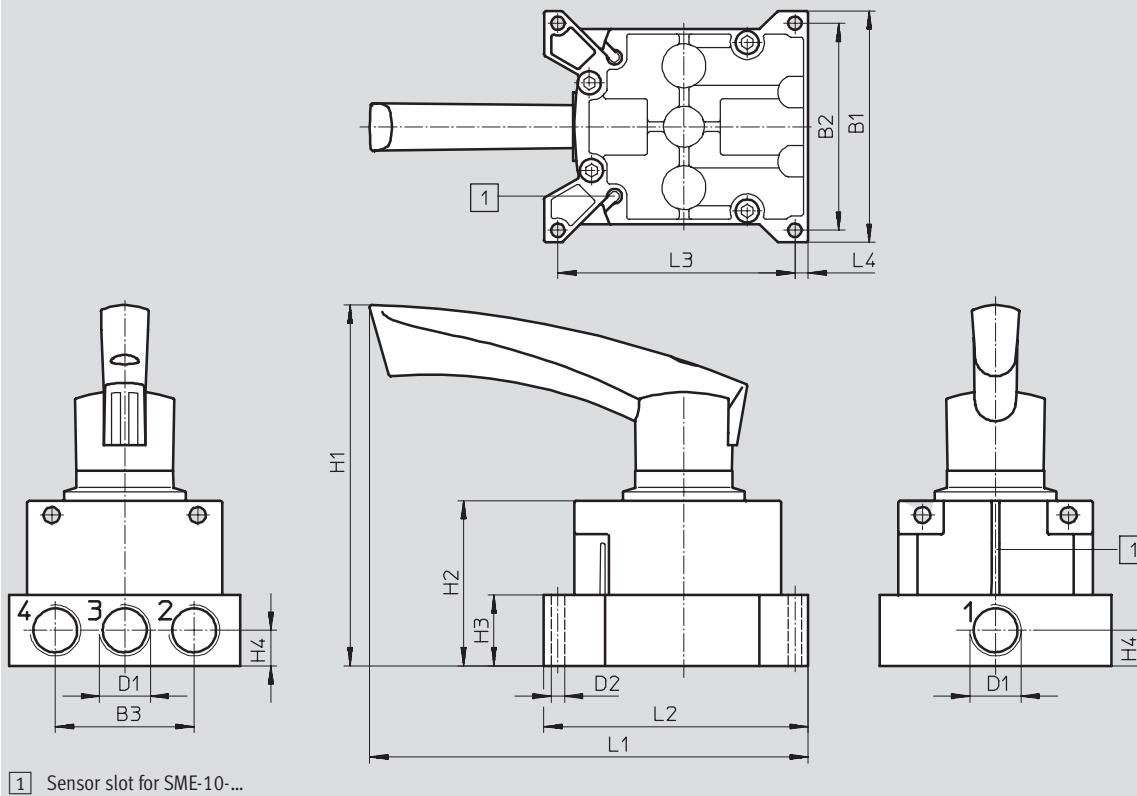
Technical data VHER with metal lever

FESTO

Dimensions

Download CAD data → www.festo.com/en/engineering

Ports G $\frac{1}{4}$ and G $\frac{1}{2}$, side



Type	B1	B2	B3	D1	D2 Ø	H1	H2	H3	H4	L1	L2	L3	L4
VHER-AH-...-G14-LD	66	57.5	37.5	G $\frac{1}{4}$	4.5	136	56	20.5	10.3	165	77	69.2	4
VHER-AH-...-G12-LD	95	85	57	G $\frac{1}{2}$	5.5	149	68	29	14.5	180	108.5	97.3	5.5

Hand lever valves VHER-AH

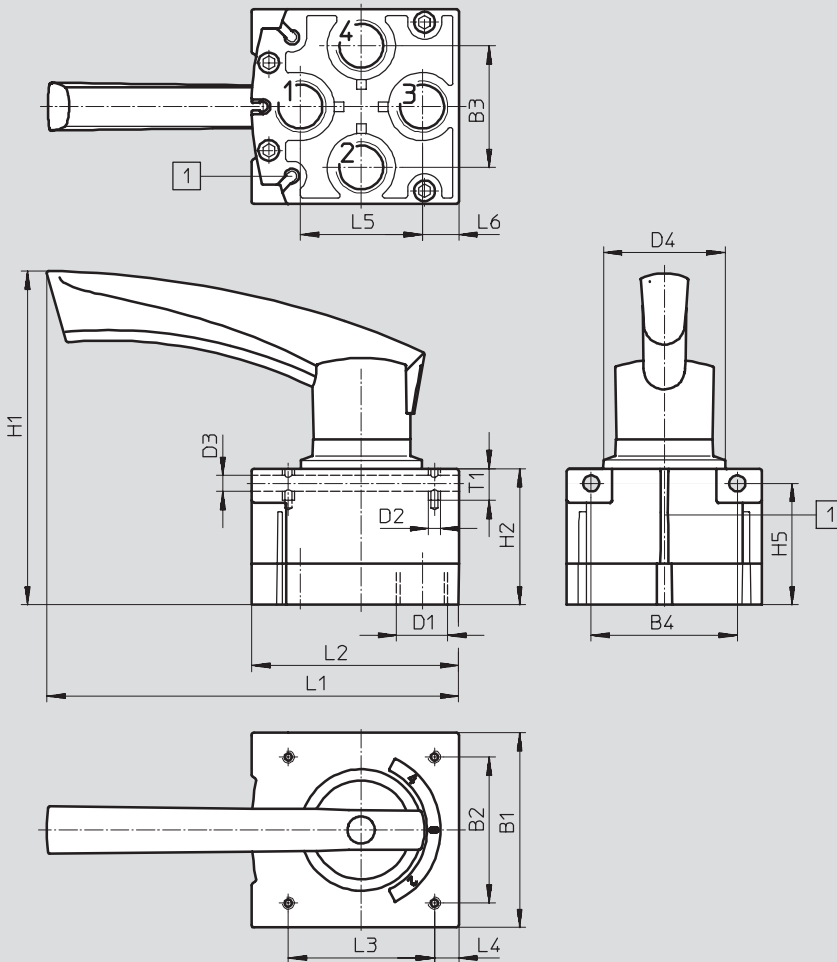
Technical data VHER with metal lever

FESTO

Dimensions

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Ports G $\frac{1}{4}$ and G $\frac{1}{2}$, underneath



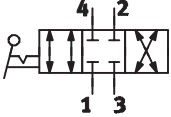
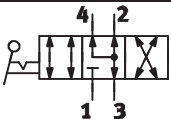
1 Sensor slot for SME-10-...

Type	B1	B2	B3	B4	D1	D2	D3 Ø	D4 Ø	H1	H2	H5	L1	L2	L3	L4	L5	L6	T1
VHER-AH-...-G14-UD	56	42	33	42	G $\frac{1}{4}$	M5	5.5	40	130	49	43.5	157	60	42	7.2	33	11.4	12
VHER-AH-...-G12-UD	80	60	50	60	G $\frac{1}{2}$	M6	6.4	50	137	55.8	49.8	169	85	60	10	50	15	13

Hand lever valves VHER-AH

Technical data VHER with metal lever

FESTO

Ordering data						
Circuit symbol	Description	Weight [g]	Connection direction	Pneumatic connection	Part No.	Type
4/3-way valve ¹⁾						
	Mid-position closed	260	Side	G $\frac{1}{8}$	538 178	VHER-AH-M04C-G18-LD
		560		G $\frac{1}{4}$	538 180	VHER-AH-M04C-G14-LD
		1,010		G $\frac{1}{2}$	538 182	VHER-AH-M04C-G12-LD
		220	Underneath	G $\frac{1}{8}$	538 179	VHER-AH-M04C-G18-UD
		510		G $\frac{1}{4}$	538 181	VHER-AH-M04C-G14-UD
		860		G $\frac{1}{2}$	538 183	VHER-AH-M04C-G12-UD
	Mid-position exhausted	260	Side	G $\frac{1}{8}$	538 184	VHER-AH-M04E-G18-LD
		560		G $\frac{1}{4}$	538 186	VHER-AH-M04E-G14-LD
		1,010		G $\frac{1}{2}$	538 188	VHER-AH-M04E-G12-LD
		220	Underneath	G $\frac{1}{8}$	538 185	VHER-AH-M04E-G18-UD
		510		G $\frac{1}{4}$	538 187	VHER-AH-M04E-G14-UD
		860		G $\frac{1}{2}$	538 189	VHER-AH-M04E-G12-UD

1) The hand lever valve can be used as a 3/3-way valve by sealing port 2.

Hand lever valves VHER-BH

Technical data VHER with plastic lever

FESTO

-  - Flow rate
170 ... 4,300 l/min

-  - Pressure
-0.95 ... +10 bar

-  - Temperature range
-20 ... +80 °C



General technical data							
Pneumatic connection			M5	G1/8	G1/4	G1/2	
Valve function			4/3-way, closed or exhausted				
Design			Rotary slide valve				
Sealing principle			Hard				
Type of mounting			Front panel mounting	Option of front panel mounting or through-holes			
Pilot control mode			Direct				
Actuation type			Manual				
Actuating lever			Polymer				
Actuator lock			Lockable with accessories				
Switching position display			Via accessories				
Assembly position			Any				
Direction of flow			Reversible				
Standard nominal flow rate	Ports at side	[l/min]	170	600	1,150	3,500	
	Ports underneath	[l/min]	260	800	1,500	4,300	
Nominal size		[mm]	4	6	8	12	
Pneumatic connection 1,2,3,4			M5	G1/8	G1/4	G1/2	
Actuating force at 6 bar			[N]				
Actuating torque at 10 bar			[Nm]	0.6	1.1	2.8	–

Operating and environmental conditions		
Operating medium		Filtered compressed air, lubricated or unlubricated, grade of filtration 40µm
Operating pressure	[bar]	-0.95 ... 10
Ambient temperature	[°C]	-20 ... +80
Corrosion resistance class	[CRC]	2 ¹⁾

- 1) Corrosion resistance class 2 according to Festo standard 940 070
Components requiring moderate corrosion resistance. 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.

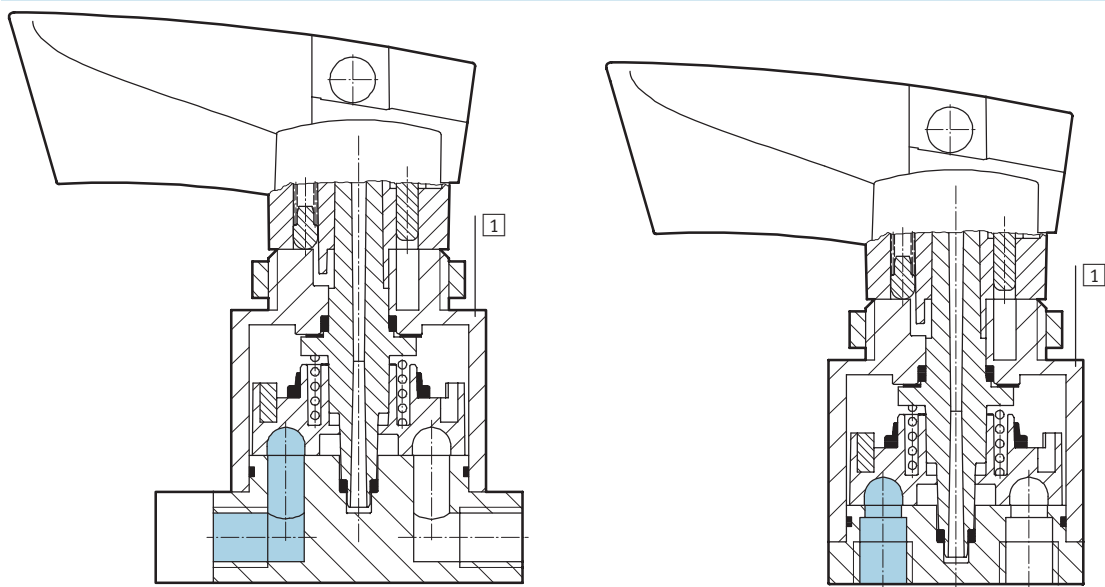
Proximity sensors for switching position display			
Pneumatic connection	Connection direction	Type SME-10F-... L-...	SME-10F-... Q-...
M5	Underneath (UD)	■	■
	Side (LD)	–	■
G1/8	Underneath	■	■
	Side	–	■
G1/4	Underneath	■	■
	Side	–	■
G1/2	Underneath	■	■
	Side	–	■

Hand lever valves VHER-BH

Technical data VHER with plastic lever



Sectional view
Hand lever valves VHER-BH...



Materials		
1	Housing	Reinforced PA or die-cast aluminium
-	Seals	Nitrile rubber
-		Contains PWIS (paint wetting impairment substances)
-		Free of copper and PTFE (paint wetting impairment substances)

Hand lever valves VHER-BH

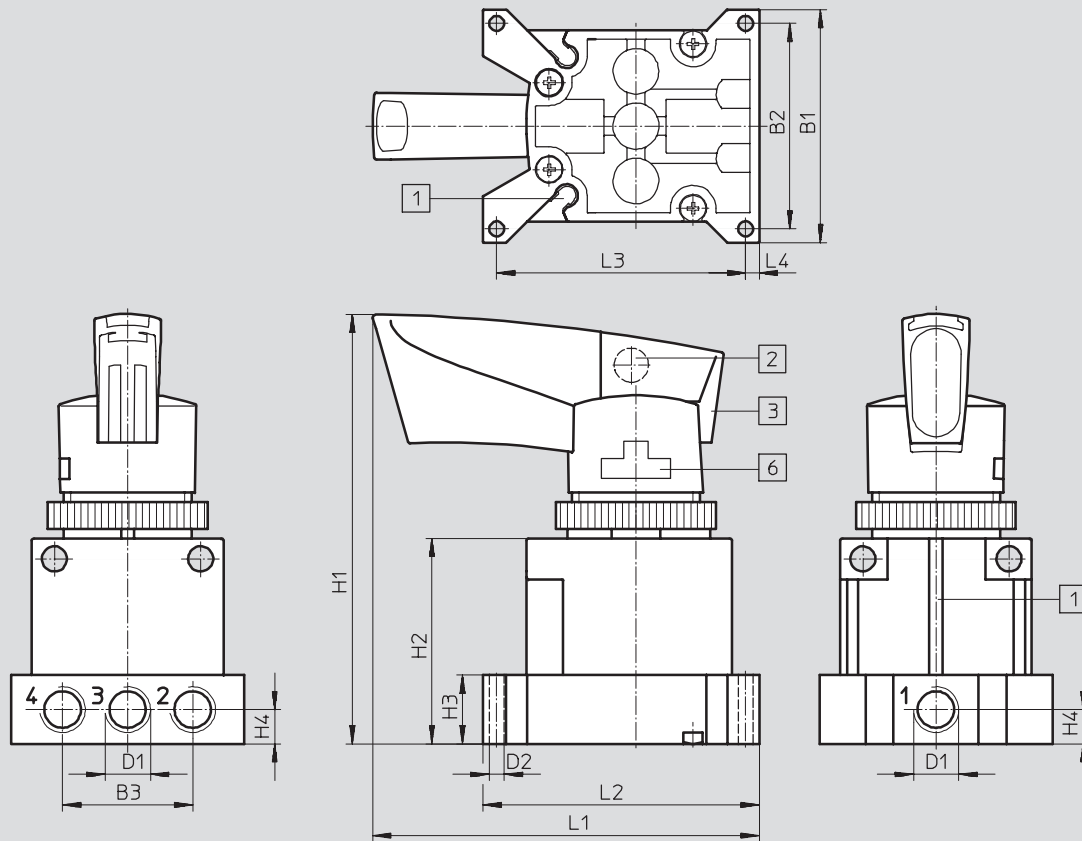
Technical data VHER with plastic lever

FESTO

Dimensions

Download CAD data → www.festo.com/en/engineering

Ports M5 and G1/8, side



- 1 Sensor slot for SME-10-... 2 Hole for padlock, dia. 7.2 3 Locking button, lockable 6 Lever securing clip, detachable

Type	B1	B2	B3	D1	D2 Ø	H1	H2	H3	H4	L1	L2	L3	L4
VHER-BH-...-M05-LD	37	32	17.4	M5	2.5	82	32	10	5	78	45	40	2.5
VHER-BH-...-G18-LD	51	45	28.5	G1/8	3	94	45	15	7.5	85	60.5	54.5	3

Hand lever valves VHER-BH

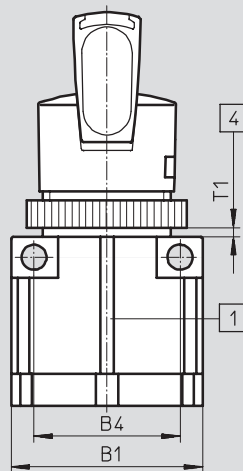
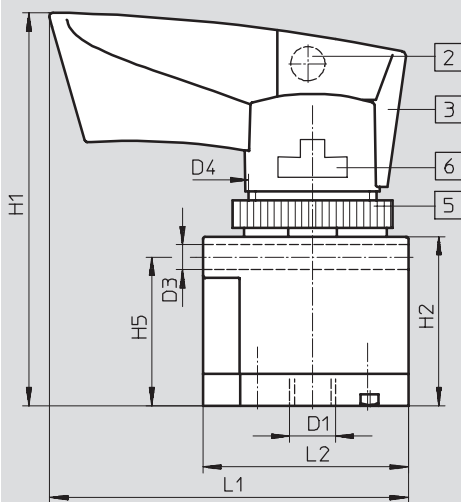
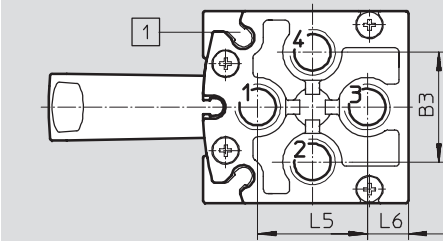
Technical data VHER with plastic lever

FESTO

Dimensions

Download CAD data → www.festo.com/en/engineering

Ports M5 and G1/8, underneath



- 1 Sensor slot for SME-10-...
- 2 Hole for padlock, dia. 7.2

- 3 Locking button, lockable

- 4 Material thickness for control panel installation

- 5 Knurled nut
- 6 Lever securing clip, detachable

Type	B1	B3	B4	D1	D3 Ø	D4	H1	H2	H5	L1	L2	L5	L6	T1
VHER-BH-...-M05-UD	30	17	-	M5	-	M22	79	28.6	-	73	33.8	17	6.5	2 ... 4
VHER-BH-...-G18-UD	42	24	32	G1/8	5.5	M30	86	37	32.5	79	45	24	9	1.5 ... 4.5

Hand lever valves VHER-BH

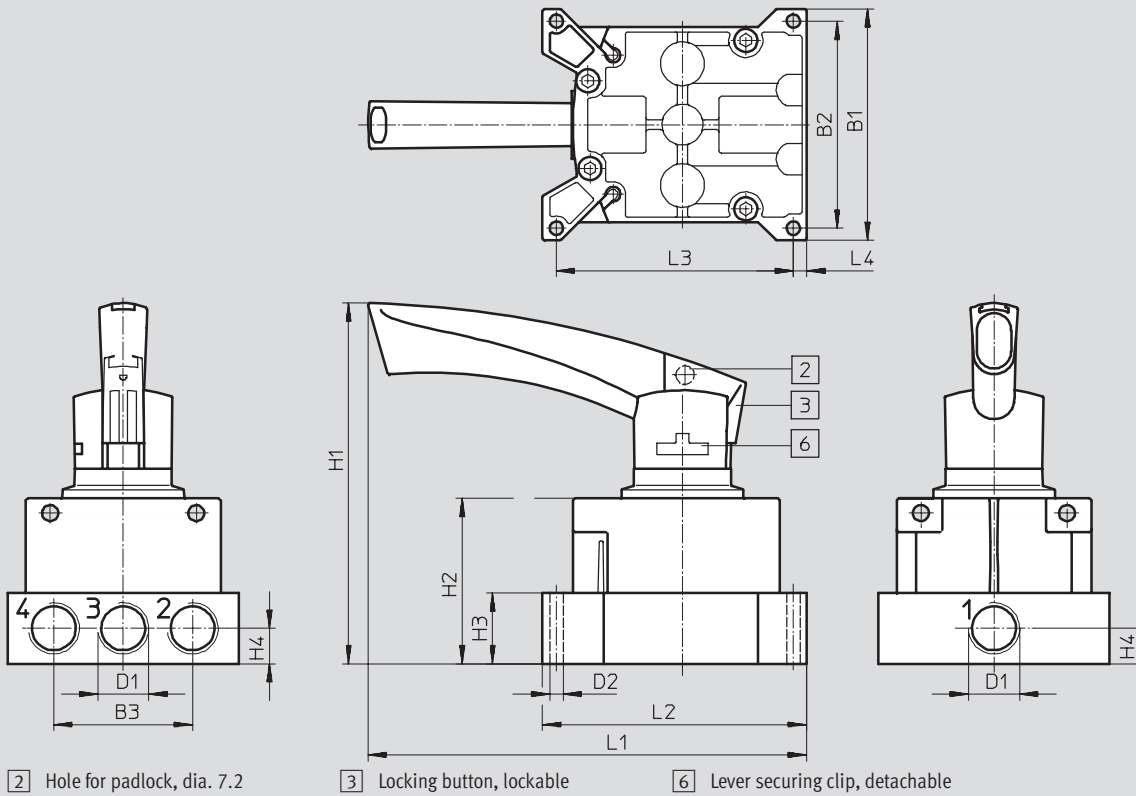
Technical data VHER with plastic lever

FESTO

Dimensions

Download CAD data → www.festo.com/en/engineering

Ports G $\frac{1}{4}$ and G $\frac{1}{2}$, side



Type	B1	B2	B3	D1	D2 Ø	H1	H2	H3	H4	L1	L2	L3	L4
VHER-BH-...-G14-LD	66	57.5	37.5	G $\frac{1}{4}$	4.3	136	55.5	20.5	10.25	166	77	69.2	4
VHER-BH-...-G12-LD	96	85	57	G $\frac{1}{2}$	5.3	148	67.8	29	14.5	180	108.5	97.3	5.5

Hand lever valves VHER-BH

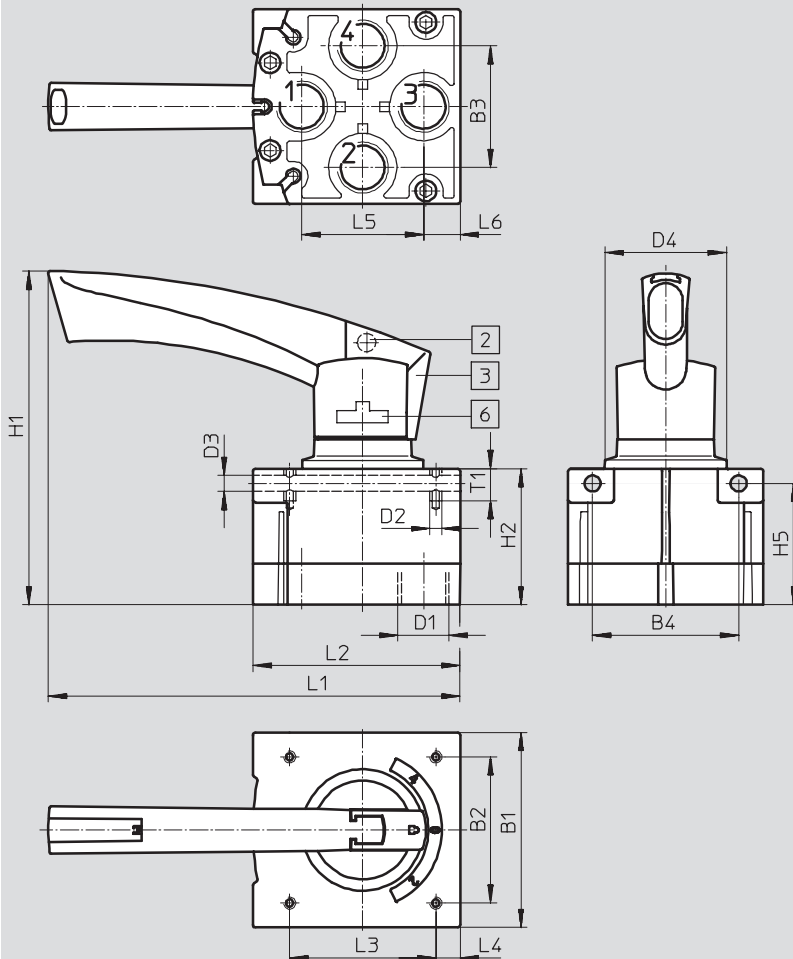
Technical data VHER with plastic lever

FESTO

Dimensions

Download CAD data → www.festo.com/en/engineering

Ports G $\frac{1}{4}$ and G $\frac{1}{2}$, underneath



2 Hole for padlock, dia. 7.2

3 Locking button, lockable

6 Lever securing clip, detachable

Type	B1	B2	B3	B4	D1	D2	D3 Ø	D4	H1	H2	H5	L1	L2	L3	L4	L5	L6	T1
VHER-BH-...-G14-UD	56.3	42	33	42	G $\frac{1}{4}$	M5	5.4	40.5	129	49	43.5	157	60.2	42	7.2	33	11.7	13
VHER-BH-...-G12-UD	80	60	50	60	G $\frac{1}{2}$	M6	6.5	51	137	55.8	49.8	169	84.8	60	10	50	15	16

Hand lever valves VHER-BH

Technical data VHER with plastic lever

FESTO

Ordering data						
Circuit symbol	Description	Weight [g]	Connection direction	Pneumatic connection	Part No.	Type
4/3-way valve ¹⁾						
	Mid-position closed	95	Side	M5	538 190	VHER-BH-M04C-M05-LD
		165		G $\frac{1}{8}$	538 192	VHER-BH-M04C-G18-LD
		435		G $\frac{1}{4}$	538 194	VHER-BH-M04C-G14-LD
		900		G $\frac{1}{2}$	538 196	VHER-BH-M04C-G12-LD
		80	Underneath	M5	538 191	VHER-BH-M04C-M05-UD
		125		G $\frac{1}{8}$	538 193	VHER-BH-M04C-G18-UD
		375		G $\frac{1}{4}$	538 195	VHER-BH-M04C-G14-UD
		740		G $\frac{1}{2}$	538 197	VHER-BH-M04C-G12-UD
	Mid-position exhausted	95	Side	M5	538 198	VHER-BH-M04E-M05-LD
		165		G $\frac{1}{8}$	538 200	VHER-BH-M04E-G18-LD
		435		G $\frac{1}{4}$	538 202	VHER-BH-M04E-G14-LD
		900		G $\frac{1}{2}$	538 204	VHER-BH-M04E-G12-LD
		80	Underneath	M5	538 199	VHER-BH-M04E-M05-UD
		125		G $\frac{1}{8}$	538 201	VHER-BH-M04E-G18-UD
		375		G $\frac{1}{4}$	538 203	VHER-BH-M04E-G14-UD
		740		G $\frac{1}{2}$	538 205	VHER-BH-M04E-G12-UD

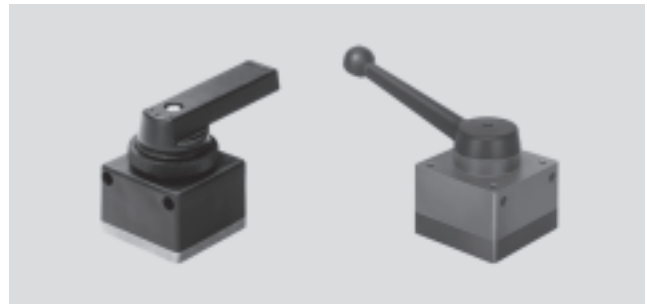
1) The hand lever valve can be used as a 3/3-way valve by sealing port 2.

Hand lever valves HS/HSO

FESTO

Technical data

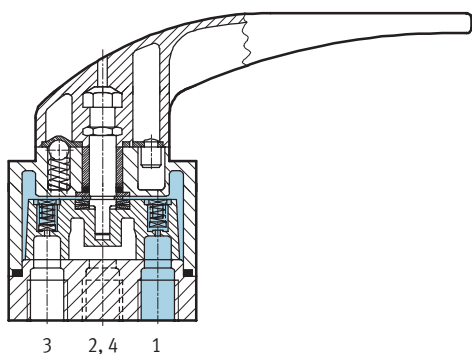
-  Flow rate
130 ... 3,500 l/min
-  Pressure
-0.95 ... +10 bar
-  Temperature range
-10 ... +60 °C



General technical data					
Pneumatic connection		M5	G1/8	G1/4	G-1/2
Operating medium		Filtered compressed air, lubricated or unlubricated Vacuum ¹⁾			
Design		Flat slide valve			
Type of mounting		Front panel mounting	Front panel mounting, mounting holes	Front panel mounting	
Nominal size	[mm]	3.6	6	8	12
Standard nominal flow rate 1 4	[l/min]	130	700	1,200	3,500
Operating pressure range		[bar] -0.95 ... +10 bar			
Actuating force at 6 bar		[N] -	-	12	26
Actuating torque at 6 bar		[Nm] 0.3	1	-	-
Temperature range		[°C] -20 ... +60		-20 ... +80	
Materials	Housing	Die-cast aluminium, plastic			
	Seals	Nitrile rubber			
Weight	[g]	35	120	390	1,350

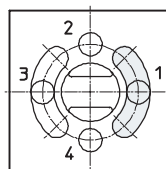
- 1) M5: vacuum at ports 1 and 3
G1/8: vacuum at port 3
G1/4: vacuum at ports 1 and 3
G1/2: vacuum at port 3

HS...-...1/4

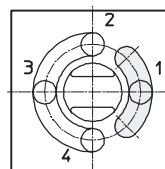


- 1 = Supply port
- 4, 2 = Working or outlet ports
- 3 = Exhaust

Ports underneath
HS



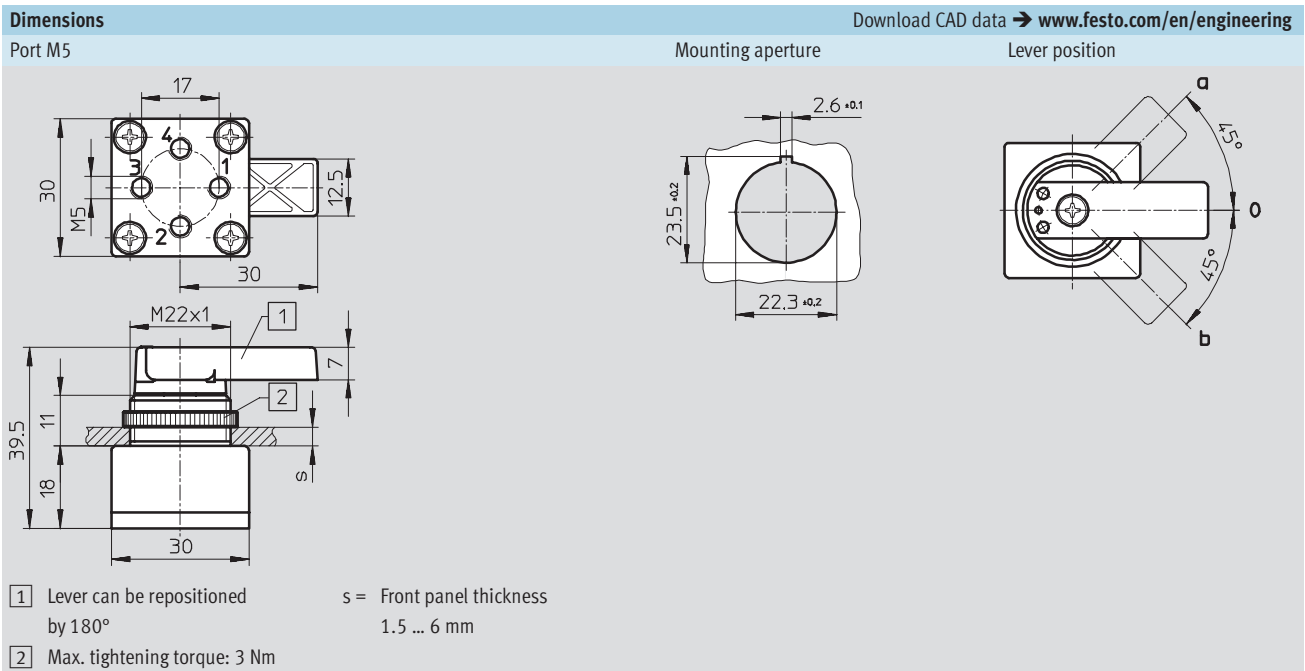
HSO



Hand lever valves HS/HSO

Technical data

FESTO



Hand lever valves HS/HSO

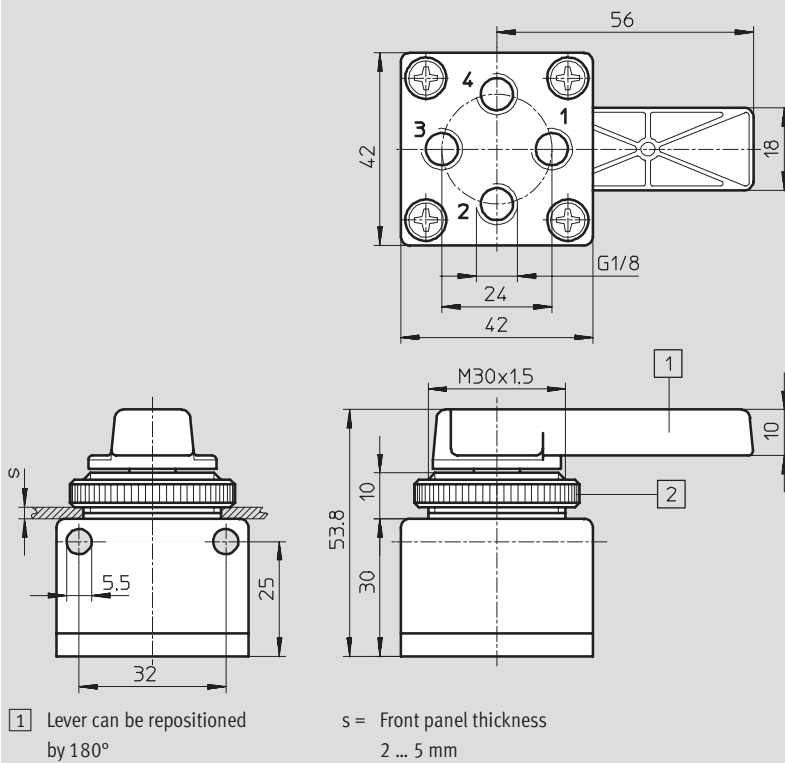
Technical data

FESTO

Dimensions

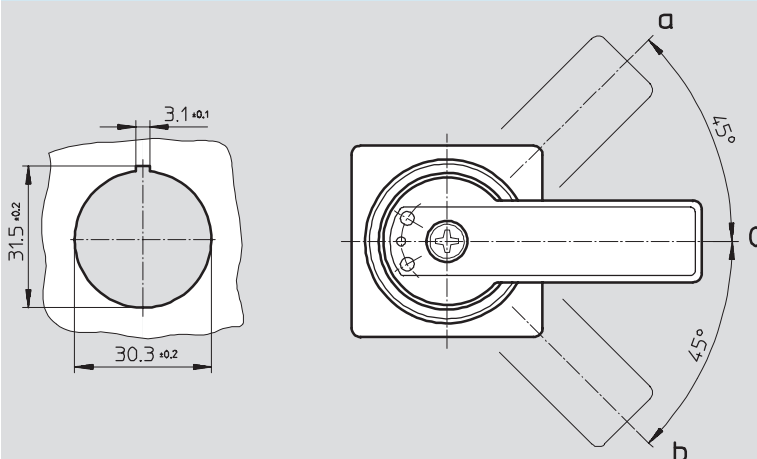
Download CAD data → www.festo.com/en/engineering

Port G1/8



Mounting aperture

Lever position



Technical data

Port G^{1/2}

Ordering data				
Circuit symbol	Description	Pneumatic connection	Part No.	Type
4/3-way valve ¹⁾				
	Mid-position closed	M5	34 639	HS-4/3-M5
		G1/8	151 842	HS-4/3-1/8-B
		G1/4	9 339	HS-4/3-1/4
		G1/2	9 784	HS-4/3-1/2-B
	Mid-position exhausted	M5	34 539	HSO-4/3-M5
		G1/8	151 843	HSO-4/3-1/8-B
		G1/4	9 340	HSO-4/3-1/4
		G1/2	9 785	HSO-4/3-1/2-B

Products 2006 – Subject to change – 2006/03

Hand lever valves HS/HSO/VHER

Accessories

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Ordering data				
	Description	Pneumatic connection	Part No.	Type
Blanking plugs				
	For sealing ports	M5	3 843	B-M5 ¹⁾
		G1/8	3 568	B-1/8 ¹⁾
		G1/4	3 569	B-1/4 ¹⁾
		G1/2	3 571	B-1/2 ¹⁾
Silencers				
	For fitting in exhaust ports	–	➔ Volume 3	
Push-in fittings QS				
	For connecting compressed air tubing with standard O.D. to CETOP RP 54 P	–	➔ Volume 3	

Permissible QS fittings ¹⁾ for VHER							
Part No.	Type	Part No.	Type	Part No.	Type	Part No.	Type
VHER-...-M05-UD		VHER-...-M05-LD		VHER-...-G18-UD		VHER-...-G18-LD	
153 302	QSM-M5-3	153 313	QSM-M5-3-I	186 264	QSM-G1/8-4	186 266	QSM-G1/8-4-I
153 304	QSM-M5-4	153 315	QSM-M5-4-I	186 265	QSM-G1/8-6	186 267	QSM-G1/8-6-I
153 306	QSM-M5-6			186 266	QSM-G1/8-4-I	186 106	QS-G1/8-4-I
153 313	QSM-M5-3-I			186 267	QSM-G1/8-6-I	186 107	QS-G1/8-6-I
153 315	QSM-M5-4-I			186 095	QS-G1/8-4	186 109	QS-G1/8-8-I
153 317	QSM-M5-6-I			186 096	QS-G1/8-6		
				186 098	QS-G1/8-8		
				186 106	QS-G1/8-4-I		
				186 107	QS-G1/8-6-I		
				186 109	QS-G1/8-8-I		
VHER-...-G14-UD		VHER-...-G14-LD		VHER-...-G12-UD		VHER-...-G12-LD	
186 097	QS-G1/4-6	186 108	QS-G1/4-6-I	186 104	QS-G1/2-12	186 115	QS-G1/2-12-I
186 099	QS-G1/4-8	186 110	QS-G1/4-8-I	186 105	QS-G1/2-16		
186 101	QS-G1/4-10	186 112	QS-G1/4-10-I	186 115	QS-G1/2-12-I		
186 108	QS-G1/4-6-I						
186 110	QS-G1/4-8-I						
186 112	QS-G1/4-10-I						

1) Scope of delivery 10 pieces

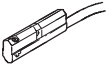
Permissible silencers for VHER							
Part No.	Type	Part No.	Type	Part No.	Type	Part No.	Type
VHER-...-M05-UD		VHER-...-M05-LD		VHER-...-G18-UD		VHER-...-G18-LD	
4 645	U-M5	4 645	U-M5	6 841	U-1/8-B	161 419	UC-1/8
165 003	UC-M5	165 003	UC-M5	161 419	UC-1/8		
				2 307	U-1/8		
VHER-...-G14-UD		VHER-...-G14-LD		VHER-...-G12-UD		VHER-...-G12-LD	
6 842	U-1/4-B	165 004	UC-1/4	6 844	U-1/2-B	6 844	U-1/2-B
165 004	UC-1/4						
2 316	U-1/4						

 Core Range

Hand lever valves VHER

Accessories

FESTO

Ordering data – Proximity sensors for VHER						
	Electrical connection		Cable length [m]	Connection direction	Part No.	Type
	Cable	Plug M8x1				
	N/O contact					
	3-wire	–	2.5	In-line	173 210	SME-10-KL-LED-24
				Lateral	173 211	SME-10-KQ-LED-24
	–	3-pin	0.3	In-line	173 212	SME-10-SL-LED-24
				Lateral	173 213	SME-10-SQ-LED-24