



Key features



Powerful

- N - Flow rate 170 ... 3800 l/min

Versatile

- 4/3-way valve mid-position closed mid-position exhausted mid-position pressurised
- Connections M5, G1/8, G1/4, G1/2
 3/3-way valve
- Hand lever valves VHER 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. With mid-position closed, the drive piston moves until the forces are balanced. With mid-position exhausted the piston can be moved manually; only the frictional forces have to be overcome. With mid-position pressurised, the pressure at ports 2 and 4 is the same. The piston is not moved (in the case of flat surfaces).

Product range overview – Metal lever

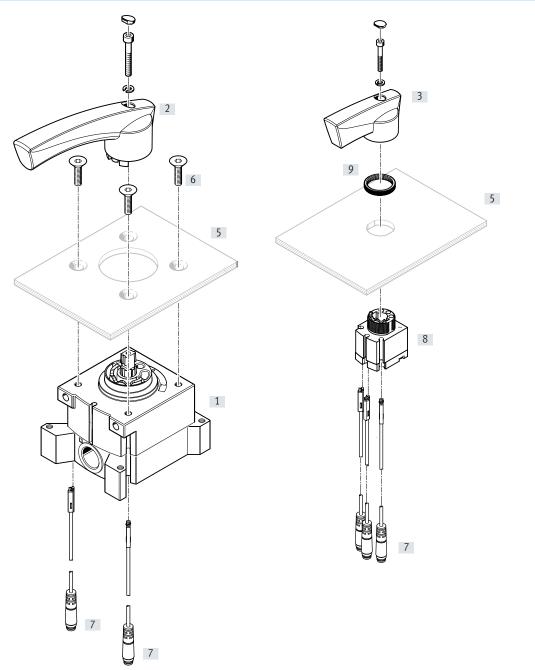
Function	Design	Туре	Nominal flow rate [l/min]	Hand lever		→ Page/ Internet
4 2	Connection undern	eath, mid-position pressurised				
	2	VHER-H-B43U-B-G18	800	Metal	Without lock	9
		VHER-H-B43U-B-G14	1500			
1 3		VHER-H-B43U-B-G12	3800			
	Connection at the s	ide, mid-position pressurised				
	A	VHER-H-B43U-G18	600	Metal	Without lock	9
	FP3	VHER-H-B43U-G14	1150			
		VHER-H-B43U-G12	3200			
41 10	Connection undern	eath, mid-position closed				
		VHER-H-B43C-B-G18	800	Metal	Without lock	9
		VHER-H-B43C-B-G14	1500	Metal	Without lock	
		VHER-H-B43C-B-G12	3800	_		
	Connection at the s	ide, mid-position closed				
		VHER-H-B43C-G18	600	Metal	Without lock	9
		VHER-H-B43C-G14	1150	metat	Without lock	ĺ
		VHER-H-B43C-G12	3200			
4 2	Connection undern	eath, mid-position exhausted		<u>н</u>		
		VHER-H-B43E-B-G18	800	Metal	Without lock	9
┲┷╡ <u>┙</u> ╢┾╤ ┦ Ҳ	1 The	VHER-H-B43E-B-G14	1500			
1 3		VHER-H-B43E-B-G12	3800			
	Connection at the s	ide, mid-position exhausted			1	J
	2	VHER-H-B43E-G18	600	Metal	Without lock	9
	K-9	VHER-H-B43E-G14	1150			
		VHER-H-B43E-G12	3200			

Product range overview – Polymer lever

Function	Design	Туре	Nominal flow rate [l/min]	Hand lever		→ Page/ Internet				
4 2	Connection underneath, mid-position pressurised									
	2	VHER-P-H-B43U-B-M5	260	Polymer	With lock	21				
		VHER-P-H-B43U-B-G18	800							
1 15		VHER-P-H-B43U-B-G14 1500								
		VHER-P-H-B43U-B-G12	3800							
	Connection at the s	ide, mid-position pressurised								
	19	VHER-P-H-B43U-M5	170	Polymer	With lock	21				
	F9	VHER-P-H-B43U-G18	600							
		VHER-P-H-B43U-G14	1150							
		VHER-P-H-B43U-G12	3200							
4 2	Connection undern	eath, mid-position closed			L					
	2	VHER-P-H-B43C-B-M5	260	Polymer	With lock	21				
		VHER-P-H-B43C-B-G18	800							
1 5		VHER-P-H-B43C-B-G14	1500							
		VHER-P-H-B43C-B-G12	3800							
	Connection at the s	ide, mid-position closed				·				
	2	VHER-P-H-B43C-M5	170	Polymer	With lock	21				
	IF S	VHER-P-H-B43C-G18	600							
		VHER-P-H-B43C-G14	1150							
		VHER-P-H-B43C-G12	3200							
4 2	Connection undern	eath, mid-position exhausted		I						
		VHER-P-H-B43E-B-M5	260	Polymer	With lock	21				
		VHER-P-H-B43E-B-G18	800							
1 3		VHER-P-H-B43E-B-G14	1500							
		VHER-P-H-B43E-B-G12	3800							
	Connection at the s	ide, mid-position exhausted		1	J	1				
	2	VHER-P-H-B43E-M5	170	Polymer	With lock	21				
	K-9	VHER-P-H-B43E-G18	600							
		VHER-P-H-B43E-G14	1150							
		VHER-P-H-B43E-G12	3200							

Peripherals overview

Control panel installation – Metal lever

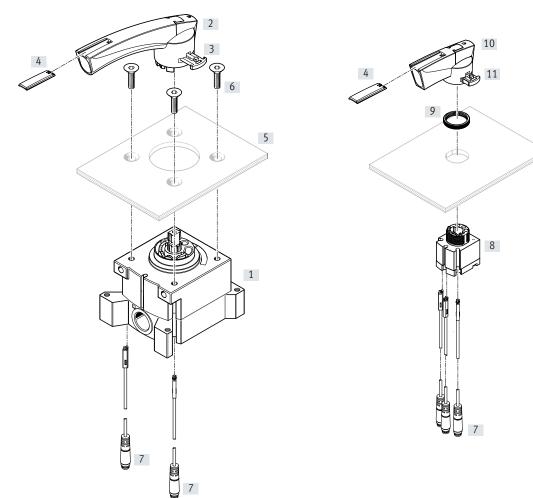


Compor	ent parts and accessories	Brief description	→ Page/ Internet		
[1]	Hand lever valve VHER	Connection size M5, G1/8, G1/4, G1/2 (pneumatic connections at the side)	9		
[2]	Actuating lever Large, metal				
[3]	Actuating lever	Small, metal	-		
[5]	Control panel	Not included in the scope of delivery	-		
[6]	Mounting screws ¹⁾	Not included in the scope of delivery	-		
[7]	Proximity switch SME-10-KL, SME-10-SL	Not included in the scope of delivery (electrical connection, in-line outlet)	20, 34		
[8]	Hand lever valve VHER	Connection size M5, G1/8, G1/4, G1/2 (pneumatic connections underneath)	9		
[9]	Knurled nut	Control panel mounting	-		

1) For design reasons, it is not possible for every hand lever valve VHER to be screwed to a control panel on the lever side using mounting screws.

Peripherals overview

Control panel installation – Polymer lever



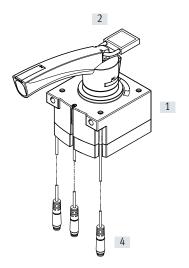
Compon	ent parts and accessories	Brief description	→ Page/ Internet
[1]	Hand lever valve VHER	Connection size M5, G1/8, G1/4, G1/2 (pneumatic connections at the side)	21
[2]	Actuating lever	Large, polymer	-
[3]	Lever mounting clip	Large	-
[4]	Inscription label	-	-
[5]	Control panel	Not included in the scope of delivery	-
[6]	Mounting screws ¹⁾	Not included in the scope of delivery	-
[7]	Proximity switch SME-10-KL, SME-10-SL	Not included in the scope of delivery (electrical connection, in-line outlet)	20, 34
[8]	Hand lever valve VHER	Connection size M5, G1/8, G1/4, G1/2 (pneumatic connections underneath)	21
[9]	Knurled nut	Control panel mounting	-
[10]	Actuating lever	Small, polymer	-
[11]	Lever mounting clip	Small	-

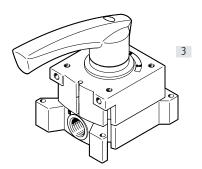
1) For design reasons, it is not possible for every hand lever valve VHER to be screwed to a control panel on the lever side using mounting screws.

5

Peripherals overview

Mounted valves with accessories





Component parts and accessories		Brief description	→ Page/ Internet
[1]	Hand lever valves VHER-P-H	Connection size M5, G1/8, G1/4, G1/2 with polymer lever, large (pneumatic connections underneath)	21
[2]	Lock	Not included in the scope of delivery	-
[3]	Hand lever valve VHER-H	Connection size G1/8, G1/4, G1/2 with metal lever, large (pneumatic connections at the side)	9
[4]	Proximity switch SME-10-KL, SME-10-SL	Not included in the scope of delivery (electrical connection, in-line outlet)	20, 34

- 🖡 - Note

For design reasons, it is not possible for every hand lever valve VHER to be screwed to a control panel on the lever side using mounting screws.

Type codes

001	Series	005	Flow direction	
VHER	Hand lever valve with detent		Standard	
002	Product version	006	Connection direction	
	Standard		On the side	
Р	Mainly polymer	В	Underneath	
003	Actuation type	007	Pneumatic connection	
Н	Hand lever, top	M5	M5	
		G18	G1/8	
004	Valve function	G14	G1/4	
B43C	4/3-way valve, detenting, mid-position closed	G12	G1/2	
B43E	4/3-way valve, detenting, mid-position open		· ·	
B43U	4/3-way valve, detenting, mid-position pressurised			

Data sheet - Version with metal lever

- 🚺 - Flow rate

600 ... 3800 l/min

- 📥 Pressure -0.95 ... +10 bar
- **J** Temperature range -20 ... +80°C



General technical data

Connection size			G1/8	G1/4	G1/2			
Valve function			4/3-way, detenting, mid-position closed, exhausted or pressurised					
Design			Rotary slide valve					
Sealing principle			Hard					
Type of mounting			Option of front panel mounting or	through-holes				
Type of control			Direct					
Actuation type			Manual					
Actuating lever (can be removed)			Metal (die-cast aluminium)					
Actuator lock			None					
Switching position indication			Via accessories					
Mounting position			Any					
Flow direction			Non-reversible					
Non-overlapping			Yes					
Exhaust air function			Can be throttled					
Standard nominal flow rate	Connection at the side	[l/min]	600	1150	3200			
	Connection underneath	[l/min]	800	1500	3800			
Nominal size		[mm]	6	8	12			
Pneumatic connection 1, 2, 3, 4			G1/8	G1/4	G1/2			
Actuating torque at 6 bar		[Nm]	0.9	2	5			

Operating and environmental conditions

operating and entrementations								
Connection size		G1/8	G1/4	G1/2				
Operating medium		Compressed air to ISO 8573-1:201	Compressed air to ISO 8573-1:2010 [7:4:4]					
Note on the operating/pilot medium		Lubricated operation possible (in w	Lubricated operation possible (in which case lubricated operation will always be required)					
Operating pressure	[bar]	0 10 (vacuum only permitted at port 3)						
Ambient temperature	-20+80							
Temperature of medium	-20 +80							
Corrosion resistance class CRC ¹⁾		2						

1) Corrosion resistance class 2 to Festo standard 940070

Components subject to moderate corrosion stress. External visible parts with primarily decorative surface requirements which are in direct contact with the surrounding industrial environment or media such as coolants or lubricating agents.

Proximity switches for switching position indication

Connection size	Connection direction	Туре SME-10L
G1/8	Underneath	•
	At the side	-
G1/4	Underneath	
	At the side	-
G1/2	Underneath	
	At the side	-

Operation with different pressures Vacuum operation

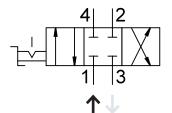
The direction of flow of the VHER-B43 valves is clearly defined and cannot be reversed.

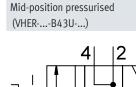
Vacuum must only be connected to port 3 in order to maintain the direction of flow.

_ Note

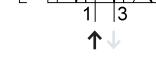
A filter must be installed upstream of valves operated in vacuum mode. This prevents any foreign matter in the intake air getting into the valve (e.g. when operating a suction cup with connector).

With vacuum operation: Mid-position closed (VHER-...-B43C-...)





With vacuum operation:



(During normal operation: mid-position closed VHER-...-B43C-...)

Dual-pressure operation

Mid-position closed

VHER-...-B43C-...

dual-pressure operation.

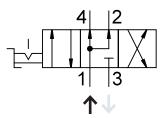
(During normal operation: mid-position exhausted VHER-...-B43E-...)

Please note that for design reasons compressed air may only be applied to port 1 and 3.

Vacuum operation at port 3: -0.95 ... 0 bar

During vacuum operation, the valve function changes from exhausted (VHER-...-B43E-...) to pressurised (VHER-...-B43U-...) and vice versa.

With vacuum operation: Mid-position exhausted (VHER-...-B43E-...)



(During normal operation: mid-position pressurised VHER-...-B43U-...)

Note Vacuum must not be connected to

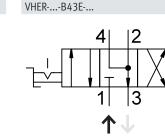
port 1.

Connections with vacuum:

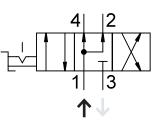
- · Vacuum is generated by connecting vacuum generator to port 3
- Exhaust (or pressurisation) takes place via port 1
- Vacuum operation (e.g. suction cup) takes place at port 2 (or 4)

Valves VHER-B43 are suitable for

Mid-position exhausted



Mid-position pressurised VHER-...-B43U-...



_ Note

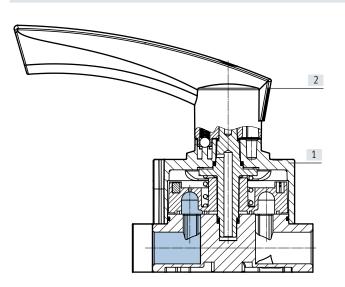
In the case of dual-pressure operation, the higher pressure must always be applied to port 1.

Connections with dual-pressure operation:

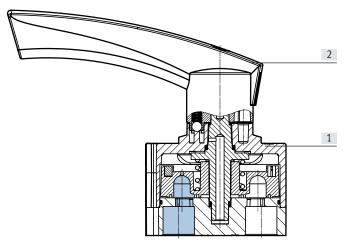
- Supply port: port 1 (high pressure)
- Supply port: port 3 (lower pressure)

Sectional view

Hand lever valve VHER-H-B43-...

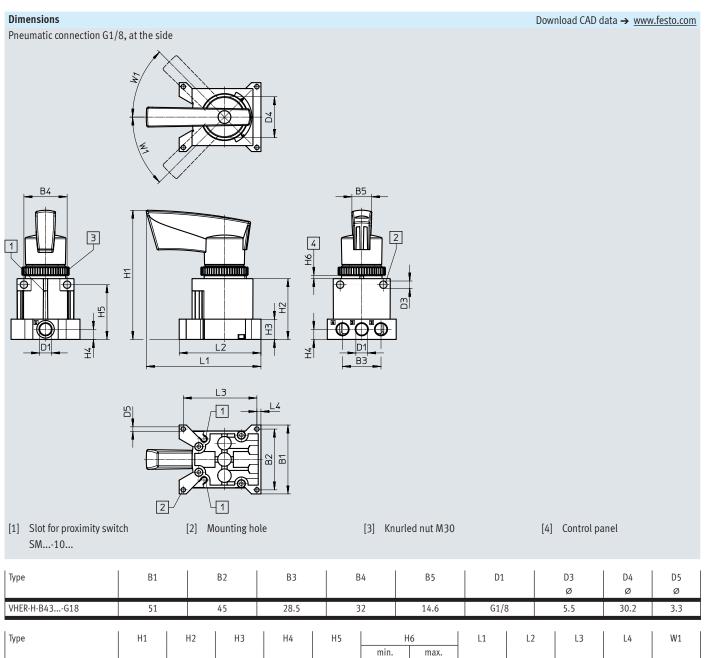


Hand lever valve VHER-H-B43...-B-...



Materials

Mute	1015	
[1]	Housing	Die-cast aluminium
[2]	Actuating lever	Metal (die-cast aluminium)
-	Seals	NBR
-	Note on materials	RoHS-compliant
-	Note on materials	Free of copper and PTFE



40.5

2

4

84.9

60.5

54.5

3

45°

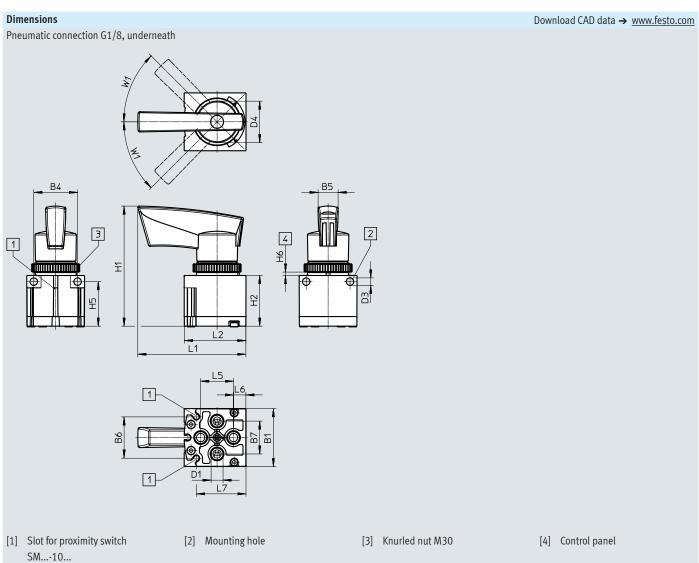
VHER-H-B43...-G18

95.6

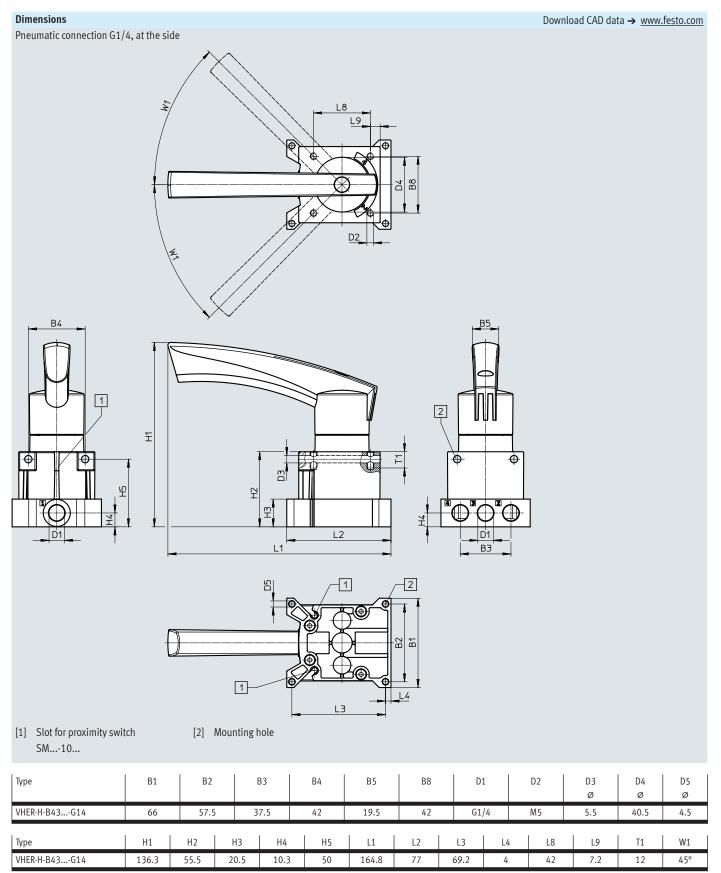
45

15

7.5

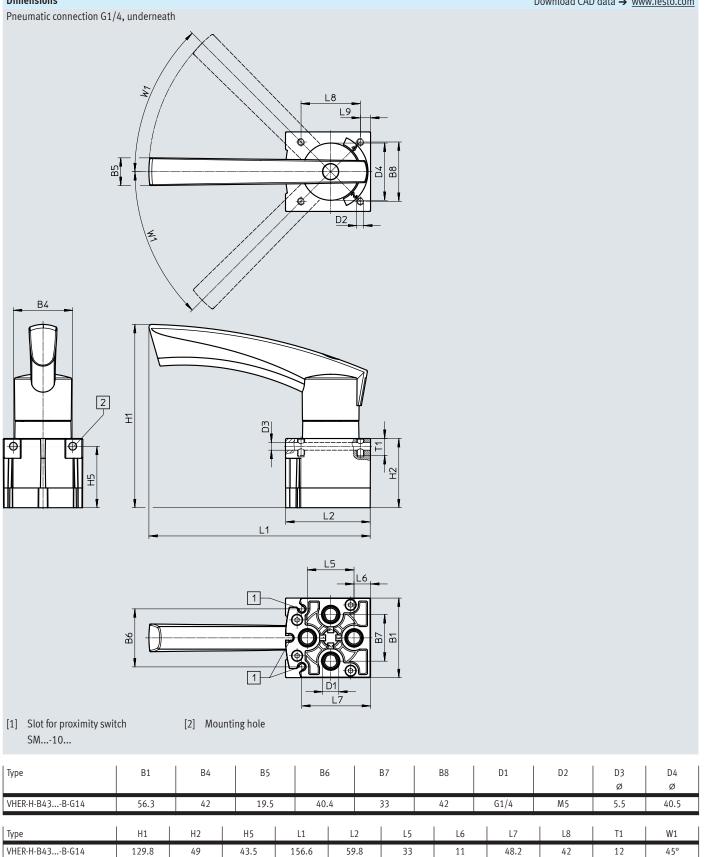


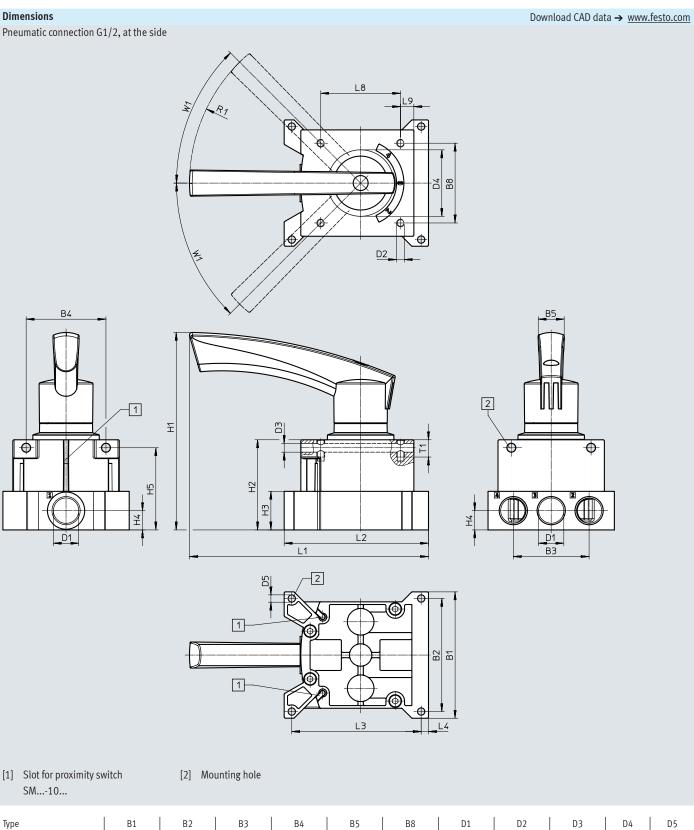
Туре	B1		B4	B5		B6		B7		D1	D3 Ø	D4 Ø
VHER-H-B43B-G18	42.2		32	14.6	14.6		30.4	24		G1/8	5.5	30.2
Туре	H1	H2	H5	H6			L1	L2	L5	L6	L7	W1
VHER-H-B43B-G18	87.6	37	32.5	min. 2	max 4	x.	78.6	44.9	24	9	36.2	45°





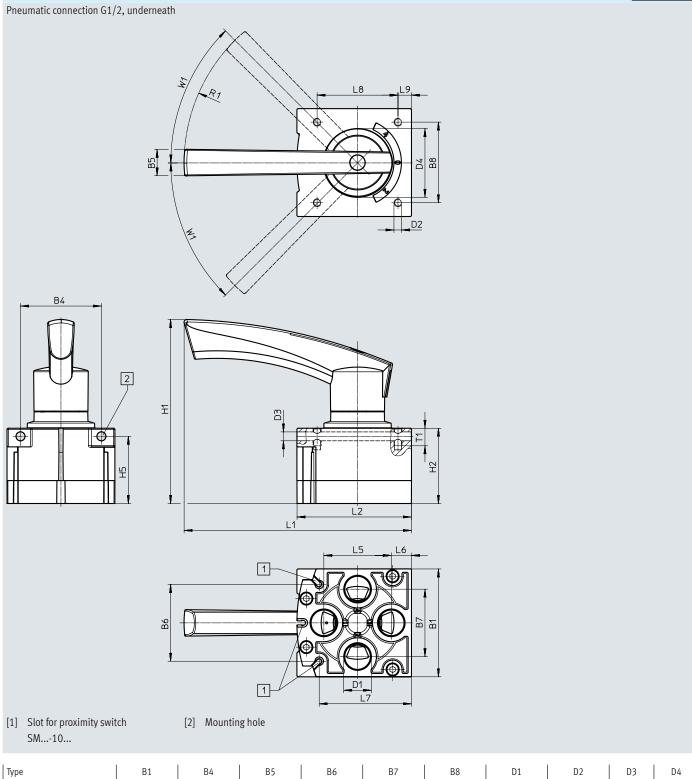
Download CAD data → <u>www.festo.com</u>





Dimensions

Download CAD data → <u>www.festo.com</u>



												Ø	Ø
VHER-H-B43B-G12	80		60	19.5	56.9		50	60	G1	/2	M5	6.6	51
Туре	H1	H2	H5	L1	L2	L5	L6	L7	L8	L9	R1	T1	W1
VHER-H-B43B-G12	136.5	55.8	49.8	168.8	84.8	50	15	68.5	60	10	128	13	45°

Ordering data

Ordering data – Hand lever valves

Ordering data – Hand lever	valves				1		
Circuit symbol	Description	Actuator lock	Pneumatic	Width	Weight	Part no.	Туре
			connection	[mm]	[g]		
4/3-way valve ¹⁾							
4 2	Mid-position	-	Underneath	42	220	3488215	VHER-H-B43U-B-G18
	pressurised			56	510	3515286	VHER-H-B43U-B-G14
				80	860	3192072	VHER-H-B43U-B-G12
1 3		-	At the side	51	260	3488214	VHER-H-B43U-G18
				66	560	3515108	VHER-H-B43U-G14
				95	1010	3192071	VHER-H-B43U-G12
4 2	Mid-position	-	Underneath	42	220	3488205	VHER-H-B43C-B-G18
	closed			56	510	3515202	VHER-H-B43C-B-G14
				80	860	3192066	VHER-H-B43C-B-G12
1 3		-	At the side	51	260	3488204	VHER-H-B43C-G18
				66	560	3514710	VHER-H-B43C-G14
				95	1010	3192065	VHER-H-B43C-G12
4 2	Mid-position	-	Underneath	42	220	3488207	VHER-H-B43E-B-G18
	exhausted			56	510	3515258	VHER-H-B43E-B-G14
				80	860	3192068	VHER-H-B43E-B-G12
1 3		-	At the side	51	260	3488206	VHER-H-B43E-G18
				66	560	3515082	VHER-H-B43E-G14
				95	1010	3192067	VHER-H-B43E-G12

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

Description	Connectio	n		Part no.	Туре	PU ¹⁾
Pneumatic conn	ection: underne	eath, external hexagon				
	G1/8	G thread with sealing ring for	Tubing O.D. 4 mm	186264	QSM-G1/8-4	10
		(short design)	Tubing O.D. 6 mm	186265	QSM-G1/8-6	10
	G1/8	G thread with sealing ring for	Tubing O.D. 4 mm	186095	QS-G1/8-4	10
			Tubing O.D. 6 mm	186096	QS-G1/8-6	10
OUL P			Tubing O.D. 8 mm	186098	QS-G1/8-8	10
	G1/4	G thread with sealing ring for	Tubing O.D. 6 mm	186097	QS-G1/4-6	10
EN .			Tubing O.D. 8 mm	186098	QS-G1/4-8	10
			Tubing O.D. 10 mm	186101	QS-G1/4-10	10
	G1/2	G thread with sealing ring for	Tubing O.D. 12 mm	186104	QS-G1/2-12	1
J.			Tubing O.D. 16 mm	186105	QS-G1/2-16	1
Pneumatic conn	ection: underne	eath, internal hexagon				
	G1/8	G thread with sealing ring for	Tubing O.D. 4 mm	186266	QSM-G1/8-4-I	10
		(short design)	Tubing O.D. 6 mm	186267	QSM-G1/8-6-I	10
	G1/8	G thread with sealing ring for	Tubing O.D. 4 mm	186106	QS-G1/8-4-I	10
			Tubing O.D. 6 mm	186107	QS-G1/8-6-I	10
			Tubing O.D. 8 mm	186109	QS-G1/8-8-I	10
	G1/4	G thread with sealing ring for	Tubing O.D. 6 mm	186108	QS-G1/4-6-I	10
			Tubing O.D. 8 mm	186110	QS-G1/4-8-I	10
			Tubing O.D. 10 mm	186112	QS-G1/4-10-I	10
	G1/2	G thread with sealing ring for	Tubing O.D. 12 mm	186115	QS-G1/2-12-I	1

1) Packaging unit

Accessories

Description	Connectior	1		Part no.	Туре	PU ¹⁾
Pneumatic conn	ection: at the si	de, internal hexagon				
	G1/8	G thread with sealing ring for	Tubing O.D. 4 mm	186266	186266 QSM-G1/8-4-I	
للسلاق		(short design)	Tubing O.D. 6 mm	186267	QSM-G1/8-6-I	10
	G1/8	G thread with sealing ring for	Tubing O.D. 4 mm	186106	QS-G1/8-4-I	10
			Tubing O.D. 6 mm	186107	QS-G1/8-6-I	10
			Tubing O.D. 8 mm	186109	QS-G1/8-8-I	10
	G1/4	G thread with sealing ring for	Tubing O.D. 6 mm	186108	QS-G1/4-6-I	10
			Tubing O.D. 8 mm	186110	QS-G1/4-8-I	10
			Tubing O.D. 10 mm	186112	QS-G1/4-10-I	10
	G1/2	G thread with sealing ring for	Tubing O.D. 12 mm	186115	QS-G1/2-12-I	1

1) Packaging unit

Description	Connection	Materials			Part no.	Туре	PU ¹⁾
		Screwed trunnion	Cushioning insert	Cushioning insert Housing			
Pneumatic conne	ection: underneath	1					
	G1/8	PE	PE	-	161419	UC-1/8	1
a la	G1/4	PE	PE	-	165004	UC-1/4	1
	G1/8	Die-cast aluminium	PE	Die-cast aluminium	6841	U-1/8-B	1
		PA	PE	PA	2307	U-1/8	1
	G1/4	Die-cast aluminium	PE	Die-cast aluminium	6842	U-1/4-B	1
		PA	PE	PA	2316	U-1/4	1
M	G1/2	Die-cast aluminium	PE	Die-cast aluminium	6844	U-1/2-B	1
Pneumatic conne	ection: at the side						
	G1/8	PE	PE	-	161419	UC-1/8	1
Star and a star	G1/4	PE	PE	-	165004	UC-1/4	1
M	G1/2	Die-cast aluminium	PE	Die-cast aluminium	6844	U-1/2-B	1

1) Packaging unit

Accessories

	Ordering data – Prox	cimity switches						
		Outlet direction of connection	Use	Electrical connection	Cable length [m]	Part no.	Туре	PU ¹⁾
ſ	1	In-line	For valves with pneumatic connections	Cable, 3-wire	2.5	173210	SME-10-KL-LED-24	1
			underneath	Plug M8x1, 3-pin	0.3	173212	SME-10-SL-LED-24	1

1) Packaging unit

Ordering data – Blanking plugs

	01 0				
	Description	Connection	Part no.	Туре	PU ¹⁾
	With sealing ring, internal hexagon	G1/8	3568	B-1/8	10
<u>O</u>			534213	B-1/8-100	100
		G1/4	3569	B-1/4	10
			534214	B-1/4-50	50
		G1/2	3571	B-1/2	10
			534216	B-1/2-20	20

1) Packaging unit

I

Data sheet – Version with polymer lever

- 📔 - Flow rate

170 ... 3800 l/min

- 📥 Pressure -0.95 ... +10 bar
- J Temperature range -20 ... +80°C



General technical data

Connection size			M5	G1/8	G1/4	G1/2		
Valve function			4/3-way, detenting, mid-position closed, exhausted or pressurised					
Design			Rotary slide valve					
Sealing principle			Hard					
Type of mounting		Option of front panel mou	inting or through-holes					
Type of control			Direct					
Actuation type			Manual					
Actuating lever (can be removed)			Polymer (plastic, PA)					
Actuator lock		With accessories (actuating lever can be latched and locked in 3 positions. If the actuating lever is locked,						
		it cannot be removed.)						
Switching position indication			Via accessories					
Mounting position			Any					
Flow direction			Non-reversible					
Non-overlapping			Yes					
Exhaust air function			Can be throttled					
Standard nominal flow rate	Connection at the side	[l/min]	170	600	1150	3200		
	Connection underneath	[l/min]	260	800	1500	3800		
Nominal size		[mm]	4	6	8	12		
Pneumatic connection 1, 2, 3, 4			M5	G1/8	G1/4	G1/2		
Actuating torque at 6 bar		[Nm]	0.5	0.9	2	5		

Operating and environmental conditions

op one of the official contained official contain					
Connection size		M5	G1/8	G1/4	G1/2
Operating medium		Compressed air to ISO 85	73-1:2010 [7:4:4	۱]	
Note on the operating/pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)				
Operating pressure	[bar]	0 10 (vacuum only peri	mitted at port 3)		
Ambient temperature	[°C]	-20 +80			
Temperature of medium	[°C]	-20 +80			
Corrosion resistance class CRC ¹⁾		2			

1) Corrosion resistance class 2 to Festo standard 940070

Components subject to moderate corrosion stress. External visible parts with primarily decorative surface requirements which are in direct contact with the surrounding industrial environment or media such as coolants or lubricating agents.

Proximity switches for switching position indication

Connection size	Connection direction	Туре SME-10L
M5	Underneath	
	At the side	-
G1/8	Underneath	
	At the side	-
G1/4	Underneath	
	At the side	-
G1/2	Underneath	
	At the side	-

Operation with different pressures

Vacuum operation

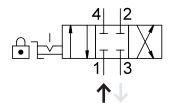
The direction of flow of the VHER-B43 valves is clearly defined and cannot be reversed.

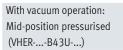
Vacuum must only be connected to port 3 in order to maintain the direction of flow.

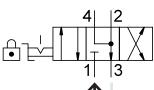
- 🗍 - Note

A filter must be installed upstream of valves operated in vacuum mode. This prevents any foreign matter in the intake air getting into the valve (e.g. when operating a suction cup with connector).

With vacuum operation: Mid-position closed (VHER-...-B43C-...)







(During normal operation: mid-position closed VHER-...-B43C-...)

Dual-pressure operation

Valves VHER-B43 are suitable for dual-pressure operation.

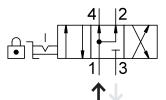
(During normal operation: mid-position exhausted VHER-...-B43E-...)

Please note that for design reasons compressed air may only be applied to port 1 and 3.

Vacuum operation at port 3: -0.95 ... 0 bar

During vacuum operation, the valve function changes from exhausted (VHER-...-B43E-...) to pressurised (VHER-...-B43U-...) and vice versa.

With vacuum operation: Mid-position exhausted (VHER-...-B43E-...)



(During normal operation: mid-position pressurised VHER-...-B43U-...)

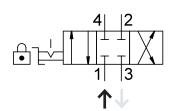
- 🏮 - Note Vacuum must not be connected to

port 1.

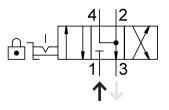
Connections with vacuum:

- Vacuum is generated by connecting vacuum generator to port 3
- Exhaust (or pressurisation) takes place via port 1
- Vacuum operation (e.g. suction cup) takes place at port 2 (or 4)

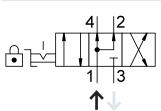
Mid-position closed VHER-...-B43C-...



Mid-position exhausted VHER-...-B43E-...



Mid-position pressurised VHER-...-B43U-...



🟺 - Note

In the case of dual-pressure operation, the higher pressure must always be applied to port 1.

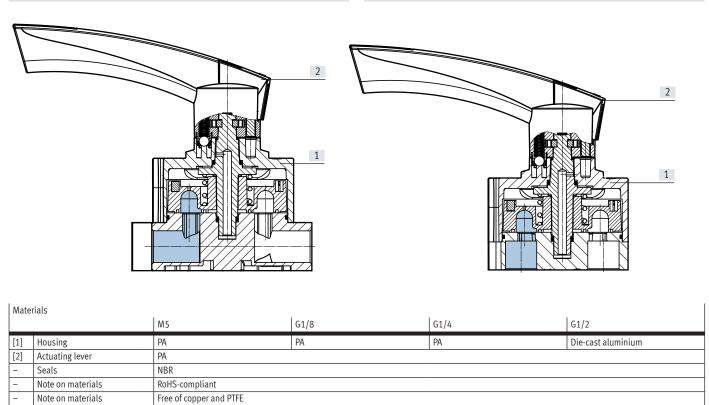
Connections with dual-pressure operation:

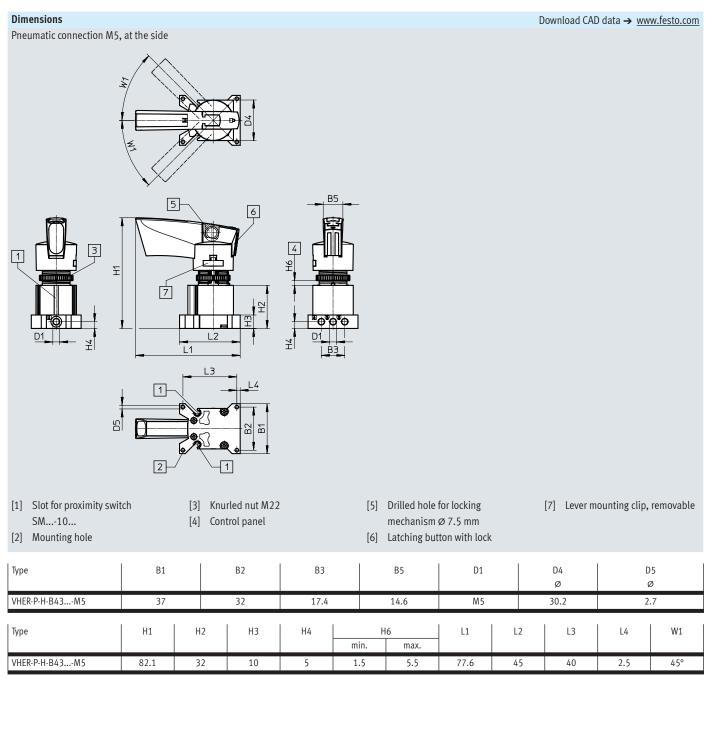
- Supply port: port 1 (high pressure)
- Supply port: port 3 (lower pressure)



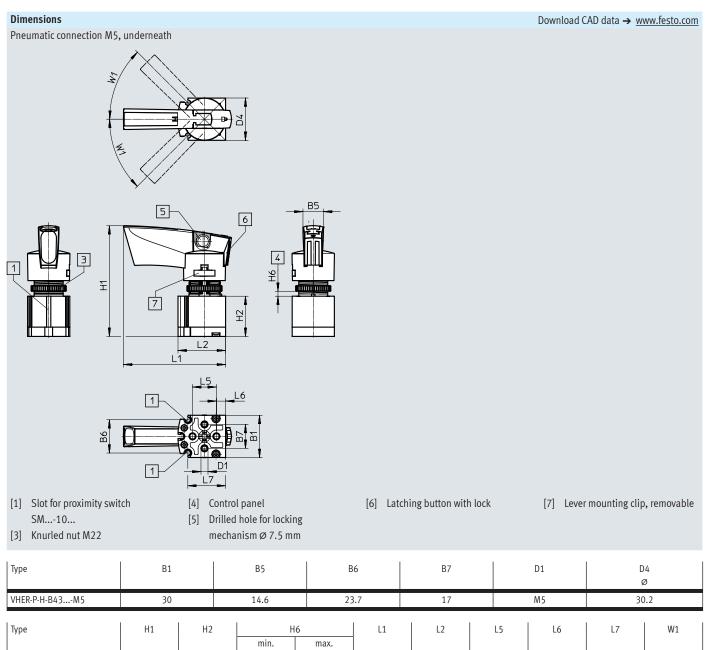
Hand lever valves VHER-P-H-B43-...

Hand lever valves VHER-P-H-B43...-B-...





Data sheet - Version with polymer lever



5.5

72.6

33.8

17

6.5

26.8

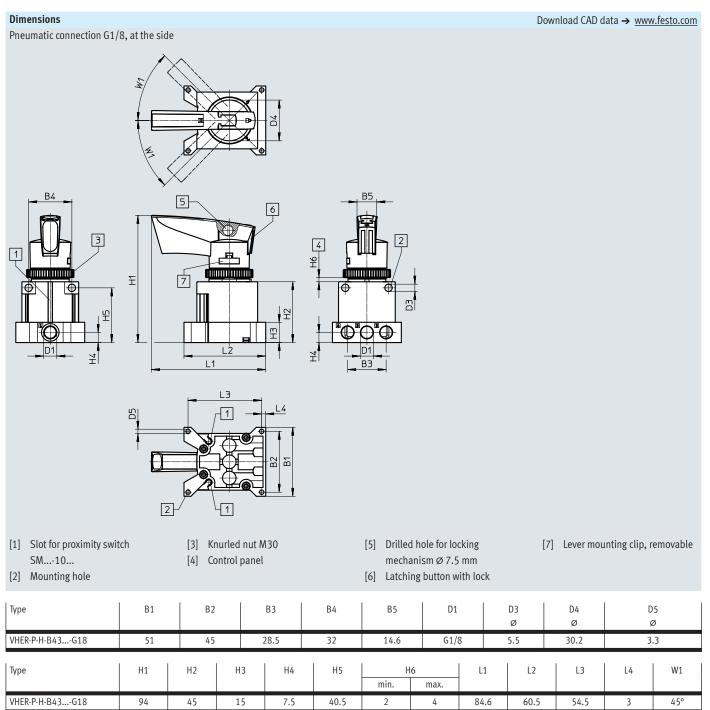
45°

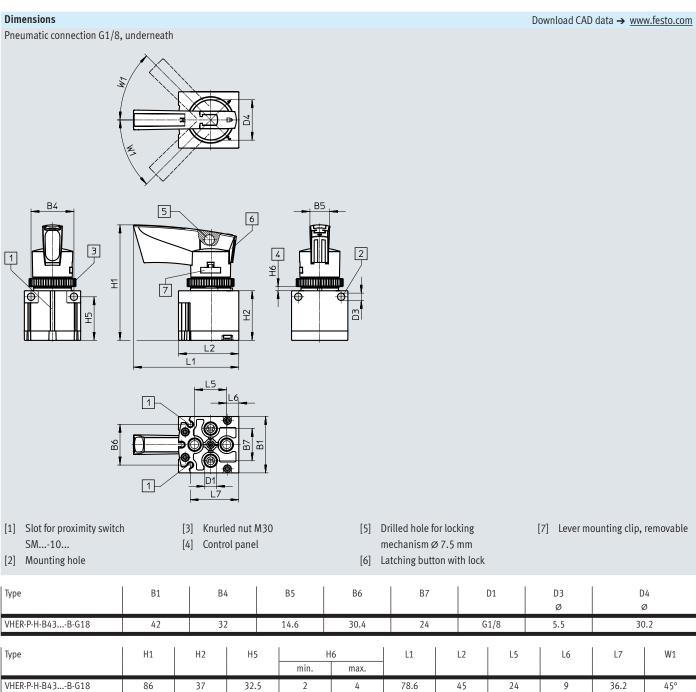
VHER-P-H-B43...-M5

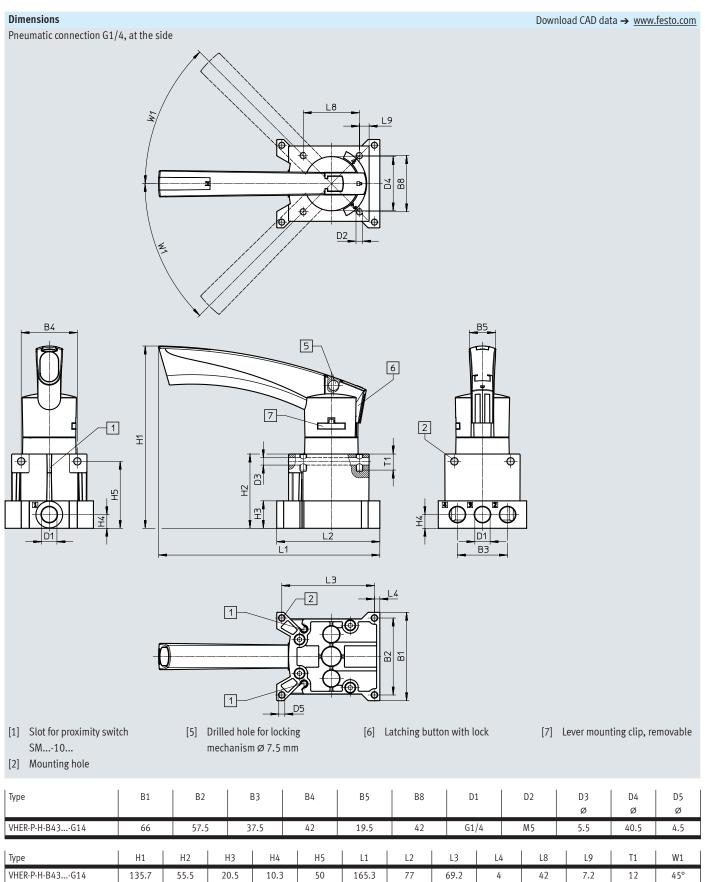
78.7

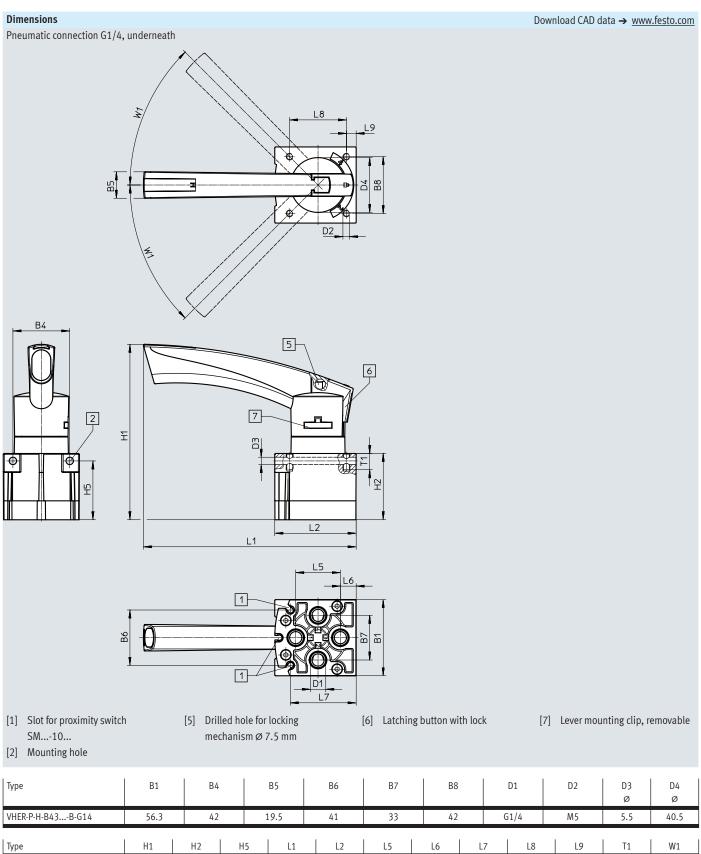
28.6

1.5









VHER-P-H-B43...-B-G14

129.2

49

43.5

157

33

11.5

48.7

42

7.2

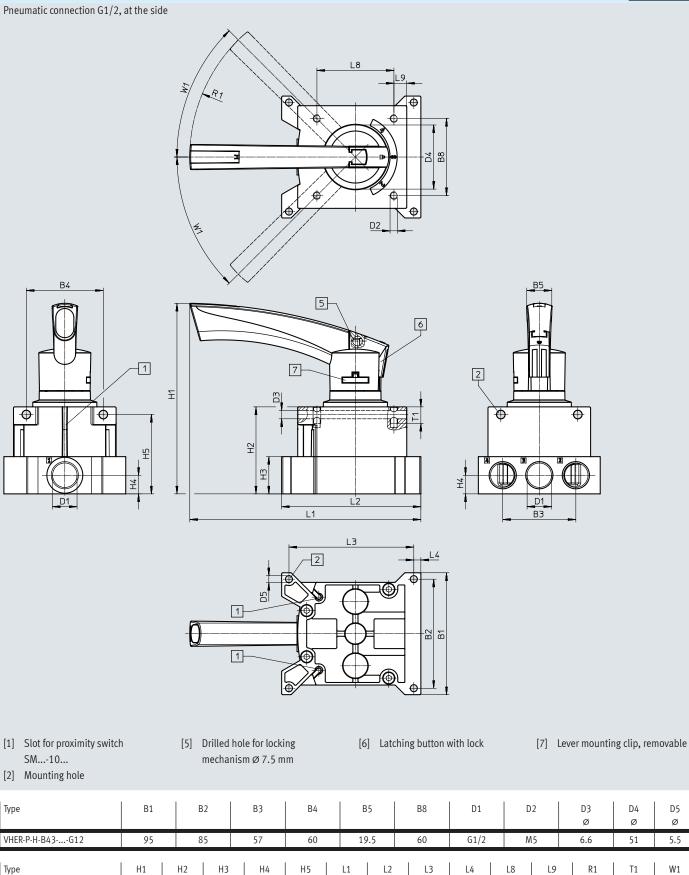
60.2

45°

12

Dimensions

Download CAD data → <u>www.festo.com</u>



61.8

180.1

108.5

97.3

60

5.5

10

128

14.5

13

45°

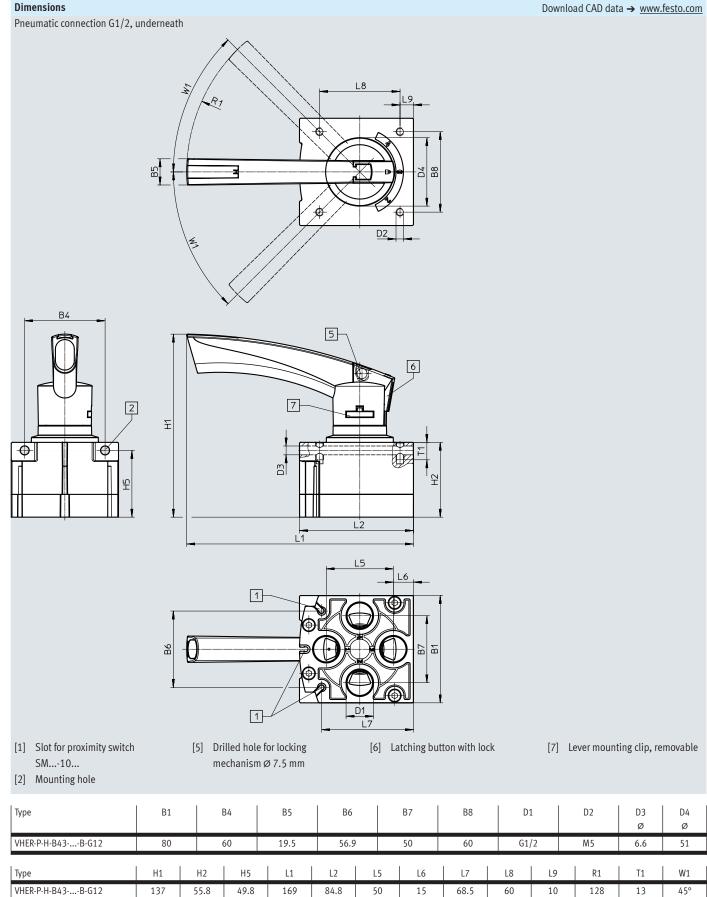
VHER-P-H-B43-...-G12

148

67.8

29

Dimensions



Ordering data

Ordering data – Hand lever valves

Ordering data – Hand lever Circuit symbol	Description	Actuator lock	Pneumatic	Width	Weight	Part no.	Туре
circuit symbol	Description	Actuator took	connection	[mm]	[g]	Turt no.	ijpe
(/2			connection	[]	[5]		
4/3-way valve ¹⁾	Mid-position	Lockable using	Underneath	30	80	3410684	VHER-P-H-B43U-B-M5
4 2	pressurised	accessories	Underneath	42	125		
	pressurised	accessories			-	3488217	VHER-P-H-B43U-B-G18
1 3				56	375	3515683	VHER-P-H-B43U-B-G14
				80	740	3192084	VHER-P-H-B43U-B-G12
			At the side	37	95	3410683	VHER-P-H-B43U-M5
				51	165	3488216	VHER-P-H-B43U-G18
				66	435	3515573	VHER-P-H-B43U-G14
				95	900	3192082	VHER-P-H-B43U-G12
4 2	Mid-position	Lockable using	Underneath	30	80	3410680	VHER-P-H-B43C-B-M5
€╘╧┨╻╴┙	closed	accessories		42	125	3488209	VHER-P-H-B43C-B-G18
				56	375	3515601	VHER-P-H-B43C-B-G14
1 5				80	740	3192075	VHER-P-H-B43C-B-G12
			At the side	37	95	3410679	VHER-P-H-B43C-M5
				51	165	3488208	VHER-P-H-B43C-G18
				66	435	3515361	VHER-P-H-B43C-G14
				95	900	3192074	VHER-P-H-B43C-G12
4 2	Mid-position	Lockable using	Underneath	30	80	3410682	VHER-P-H-B43E-B-M5
	exhausted	accessories		42	125	3488211	VHER-P-H-B43E-B-G18
				56	375	3515640	VHER-P-H-B43E-B-G14
1 3				80	740	3192077	VHER-P-H-B43E-B-G12
			At the side	37	95	3410681	VHER-P-H-B43E-M5
				51	165	3488210	VHER-P-H-B43E-G18
				66	435	3515542	VHER-P-H-B43E-G14
				95	900	3192076	VHER-P-H-B43E-G12

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

Accessories

escription	Connection	1		Part no.	Туре	PU
neumatic conn	ection: underne	eath, external hexagon				
	M5	Metric thread with sealing ring for	Tubing O.D. 3 mm	153302	QSM-M5-3	10
		(short design)	Tubing O.D. 4 mm	153304	QSM-M5-4	10
			Tubing O.D. 6 mm	153306	QSM-M5-6	10
	G1/8	G thread with sealing ring for	Tubing O.D. 4 mm	186264	QSM-G1/8-4	10
		(short design)	Tubing O.D. 6 mm	186265	QSM-G1/8-6	10
	G1/8	G thread with sealing ring for	Tubing O.D. 4 mm	186095	QS-G1/8-4	10
			Tubing O.D. 6 mm	186096	QS-G1/8-6	10
			Tubing O.D. 8 mm	186098	QS-G1/8-8	10
	G1/4	G thread with sealing ring for	Tubing O.D. 6 mm	186097	QS-G1/4-6	10
			Tubing O.D. 8 mm	186098	QS-G1/4-8	10
			Tubing O.D. 10 mm	186101	QS-G1/4-10	10
	G1/2	G thread with sealing ring for	Tubing O.D. 12 mm	186104	QS-G1/2-12	1
			Tubing O.D. 16 mm	186105	QS-G1/2-16	1
eumatic conn	ection: underne	eath, internal hexagon Metric thread with sealing ring for	Tubing O.D. 3 mm	153313	QSM-M5-3-I	10
\sim	1015	(short design)	Tubing O.D. 4 mm	153315	QSM-M5-4-I	10
			Tubing O.D. 6 mm	153313	QSM-M5-6-I	10
	G1/8	G thread with sealing ring for	Tubing O.D. 4 mm	186266	•	10
	(short design)	Tubing O.D. 6 mm		QSM-G1/8-4-I		
		lubing U.D. 6 mm	186267	QSM-G1/8-6-I	10	
	G1/8 G thread with sealing ring for	Tubing O.D. 4 mm	186106	QS-G1/8-4-I	10	
			Tubing O.D. 6 mm	186107	QS-G1/8-6-I	10
			Tubing O.D. 8 mm	186109	QS-G1/8-8-I	10
	G1/4	G thread with sealing ring for	Tubing O.D. 6 mm	186108	QS-G1/4-6-I	10
			Tubing O.D. 8 mm	186110	QS-G1/4-8-I	10
			Tubing O.D. 10 mm	186112	QS-G1/4-10-I	10
	G1/2	G thread with sealing ring for	Tubing O.D. 12 mm	186115	QS-G1/2-12-I	1
eumatic conn	ection: at the si	de, internal hexagon				
	M5	Metric thread with sealing ring for	Tubing O.D. 3 mm	153313	QSM-M5-3-I	10
		(short design)	Tubing O.D. 4 mm	153315	QSM-M5-4-I	10
	G1/8	G thread with sealing ring for	Tubing O.D. 4 mm	186266	QSM-G1/8-4-I	10
		(short design)	Tubing O.D. 6 mm	186267	QSM-G1/8-6-I	10
	G1/8	G thread with sealing ring for	Tubing O.D. 4 mm	186106	QS-G1/8-4-I	10
			Tubing O.D. 6 mm	186107	QS-G1/8-6-I	10
			Tubing O.D. 8 mm	186109	QS-G1/8-8-I	10
<u></u>	G1/4	G thread with sealing ring for	Tubing O.D. 6 mm	186108	QS-G1/4-6-I	10
5 J			Tubing O.D. 8 mm	186110	QS-G1/4-8-I	10
			Tubing O.D. 10 mm	186112	QS-G1/4-10-I	10
	G1/2	G thread with sealing ring for	Tubing O.D. 12 mm	186115	QS-G1/2-12-I	1

1) Packaging unit

Accessories

Ordering data – S	Silencers						
Description	Connection	Materials			Part no.	Туре	PU ¹⁾
		Screwed trunnion	Screwed trunnion Cushioning insert Housing				
Pneumatic conne	ction: underneath						
\sim	M5	PE	PE	-	165003	UC-M5	1
	G1/8	PE	PE	-	161419	UC-1/8	1
	G1/4	PE	PE	-	165004	UC-1/4	1
	G1/8	Die-cast aluminium	PE	Die-cast aluminium	6841	U-1/8-B	1
<u>S</u>		PA	PE	PA	2307	U-1/8	1
	G1/4	Die-cast aluminium	PE	Die-cast aluminium	6842	U-1/4-B	1
		PA	PE	PA	2316	U-1/4	1
	G1/2	Die-cast aluminium	PE	Die-cast aluminium	6844	U-1/2-B	1
Pneumatic conne	ction: at the side						
\sim	M5	PE	PE	-	165003	UC-M5	1
	G1/8	PE	PE	-	161419	UC-1/8	1
Old and a start of the start of	G1/4	PE	PE	-	165004	UC-1/4	1
	G1/2	Die-cast aluminium	PE	Die-cast aluminium	6844	U-1/2-B	1

1) Packaging unit

Ordering data – Proximity switches

	Ordering data – Proximity switches										
		Outlet direction of connection	Use	Electrical connection	Cable length [m]	Part no.	Туре	PU ¹⁾			
Ī	ρ	In-line	For valves with pneumatic connections	Cable, 3-wire	2.5	173210	SME-10-KL-LED-24	1			

1) Packaging unit

Ordering data – Blanking plugs

	Description	Connection	Part no.	Туре	PU ¹⁾
	With sealing ring, external hexagon	M5	3843	B-M5	10
			534212	B-M5-100	100
	With sealing ring, internal hexagon	G1/8	3568	B-1/8	10
(O)			534213	B-1/8-100	100
		G1/4	3569	B-1/4	10
			534214	B-1/4-50	50
		G1/2	3571	B-1/2	10
			534216	B-1/2-20	20

1) Packaging unit

T

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