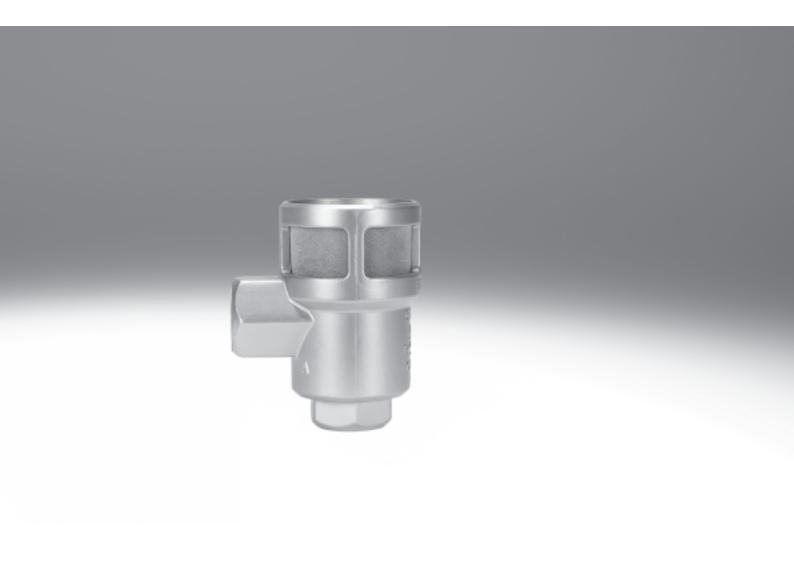
## Quick exhaust valves SE/SEU

## **FESTO**



## **Quick exhaust valves SE/SEU**

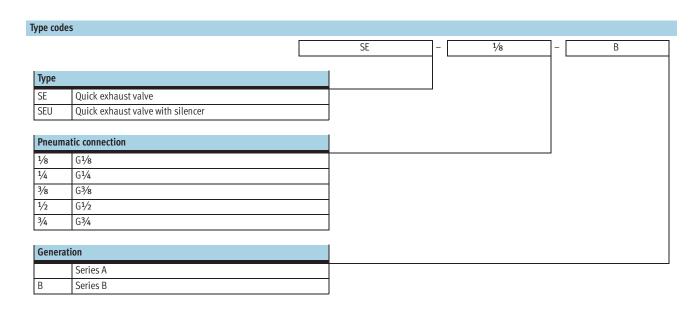
**FESTO** 

Key features, product range overview and type codes

closed at this time. When the pressure at 1 falls, exhaust flow occurs from 2

#### **Features** Function SE SEU These components allow higher piston In order to achieve the full benefit of 3 speeds to be achieved on the return the quick exhaust function, the valve must be connected directly stroke of single and double-acting cylinders. to the port of the cylinder. $Compressed \ air \ flows \ from \ the \ pilot$ valve and via the quick exhaust valve In the quick exhaust valve SEU the to the cylinder. The exhaust port 3 is exhaust noise is reduced by a silencer.

Function	Version	Туре		Pneumatic connection		→ Page/Internet						
				1	2							
Quick exhaust valves	Compact design											
		SE	Without silencer	G½, G¼, G¾, G½, G¾	G½, G¼, G¾, G½, G¾	3						
		SEU	With silencer	G1/8, G1/4, G3/8, G1/2	G1/8, G1/4, G3/8, G1/2	6						
	Flat de sieux	The decien										
	Flat design	V/DOE D	Milabarra all an ann	C1/-	C1/-	h£						
		VBQF-D	Without silencer	G1/8	G½, QS-6	vbqf						
				G1/4	G <sup>1</sup> / <sub>4</sub>							
	0	VBQF-U	With silencer	G <sup>1</sup> / <sub>8</sub>	G½,	vbqf						
				C1/ <sub>2</sub>	QS-6	4						
				G1/4	G <sup>1</sup> / <sub>4</sub> , QS-8							



## **Quick exhaust valves SE** Technical data

**FESTO** 

#### Function



Flow rate

300 ... 4,560 l/min Temperature range

−20 ... +75 °C

Pressure

0.2 ... 10 bar

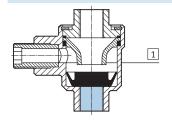


General technical data						
Pneumatic connection 1		G1/8	G1/4	G3/8	G½	G <sup>3</sup> / <sub>4</sub>
Pneumatic connection 2		G1/8	G1/4	G3/8	G½	G3/4
Pneumatic connection 3		G <sup>1</sup> /8	G1/4	G3/8	G <sup>1</sup> / <sub>2</sub>	G3/4
Nominal size	[mm]	5	7	11	15	19
Valve function		Quick exhaust				
Type of mounting		Screw-in				Via through-hole
Mounting position		Any				
Noise level	[dB(A)]	100	_			

Operating and environmental condition	ıs				
Pneumatic connection 1	G1/8	G1/4	G <sup>3</sup> / <sub>8</sub>	G <sup>1</sup> / <sub>2</sub>	G <sup>3</sup> / <sub>4</sub>
Operating pressure [bar]	0.5 10	0.5 10	0.2 10	0.3 10	0.5 10
Operating medium	Compressed air in accordance with ISO 8573-1:2010 [7:4:4]	Compressed air in acco	rdance with ISO 8573-1:	2010 [7:-:-]	
Note on operating/pilot medium	Operation with lubricat	ed medium possible (in v	vhich case lubricated ope	eration will always be req	uired)
Ambient temperature [°C]	-20 +75				
Temperature of medium [°C]	-20 +75				

### Materials

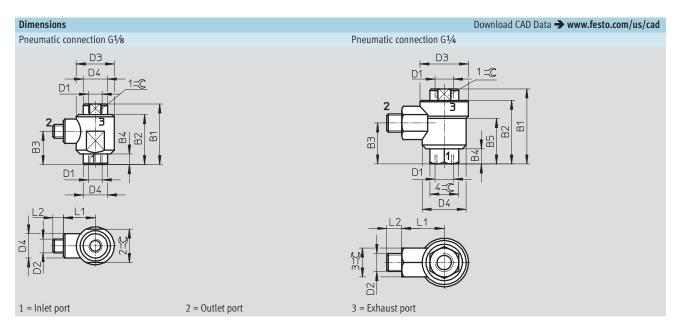
### Sectional view

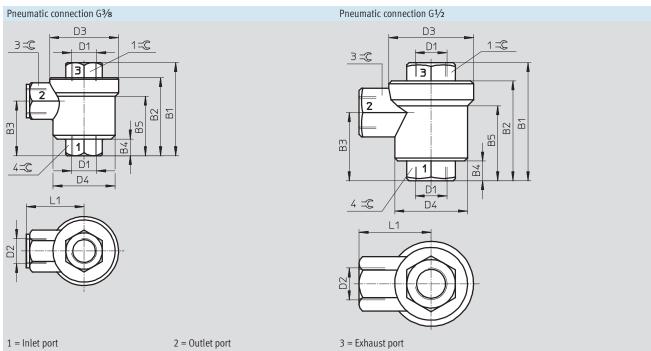


Quick 6	exhaust valve		
1 H	lousing	G1/8, G1/4	Die-cast zinc
	·	G3/8, G1/2	Die-cast aluminium
	·	G3/4	Anodised wrought aluminium alloy
- S	Seals		NBR

## **Quick exhaust valves SE** Technical data

**FESTO** 

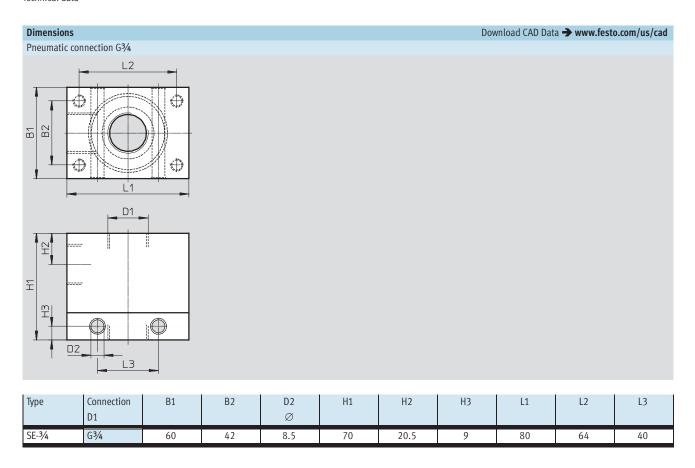




Туре	Connecti	on	B1	B2	В3	B4	B5	D3	D4	L1	L2	1≕©	2≕©	3≕©	4≕©
	D1	D2						Ø	Ø						
SE-1/8-B	G1/8	G1/8	40	33	22	7	-	25	16	21	7	14	22	-	-
SE-1/4-B	G1/4	G1/4	49.5	42	27	10	30	33	29	28	10	17	-	19	19
SE-3/8-B	G3/8	G3/8	61.5	51.5	36	11	39.2	45.5	41	38	-	24	-	24	24
SE-1/2-B	G <sup>1</sup> / <sub>2</sub>	G1/2	78	66	45	13	49.5	56.5	48	47.5	-	30	-	32	32

## **Quick exhaust valves SE** Technical data

**FESTO** 

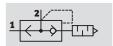


Ordering data	1							
	Pneuma	tic connecti	on	Standard nominal flow rate	qnN at 6 5 bar	Weight	Part No.	Туре
				Pressurisation 1 2	Exhausting 2 3			
	1	2	3	[l/min]	[l/min]	[g]		
	G1/8	G1/8	G1/8	300	660	75	9685	SE-1/8-B
	G1/4	G1/4	G1/4	960	1,200	100	9686	SE-1/4-B
	G3/8	G3/8	G3/8	2,880	2,760	125	9687	SE-3/8-B
	G1/2	G <sup>1</sup> / <sub>2</sub>	G1/2	4,560	6,480	200	9688	SE-1/2-B
	Land	1	Land				Tarana	
	G3/4	G3/4	G3/4	2,500	7,500	710	2280	SE-3/4

## Quick exhaust valves SEU Technical data

**FESTO** 

#### Function



Flow rate

300 ... 4,560 l/min

Temperature range

−20 ... +75 °C

Pressure

0.2 ... 10 bar

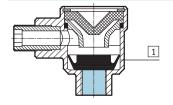


General technical data					
Pneumatic connection 1		G1/8	G1/4	G3/8	G <sup>1</sup> / <sub>2</sub>
Pneumatic connection 2		G1/8	G1/4	G3/8	G½
Nominal size	[mm]	5	7	11	15
Valve function		Quick exhaust			
Type of mounting		Screw-in			
Mounting position		Any			
Noise level	[dB(A)]	85	85	83	86

Operating and environment	al conditions	;			
Pneumatic connection 1		G1/8	G1/4	G3/8	G½
Operating pressure	[bar]	0.5 10	0.5 10	0.2 10	0.3 10
Operating medium		Compressed air in accordance	Compressed air in accordance	with ISO 8573-1:2010 [7:-:-	
		with ISO 8573-1:2010 [7:4:4]			
Note on operating/pilot med	ium	Operation with lubricated med	ium possible (in which case lub	oricated operation will always b	pe required)
Ambient temperature	[°C]	-20 +75			
Temperature of medium	[°C]	-20 +75			

## Materials

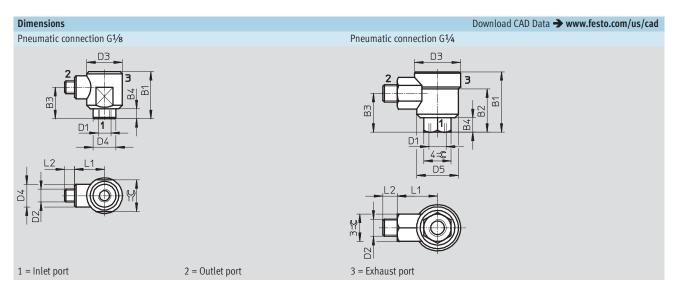
Sectional view

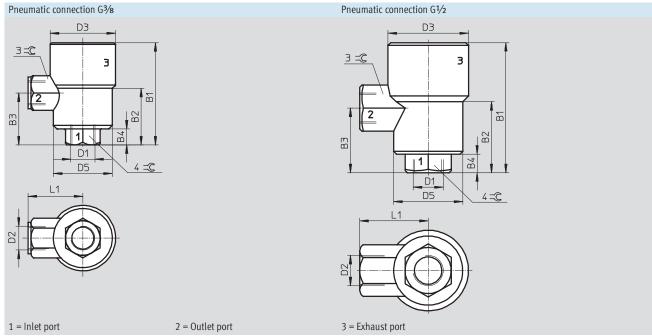


Quic	k exhaust valve		
1	Housing	G1/8, G1/4	Die-cast zinc
		G3/8, G1/2	Die-cast aluminium
-	Seals		NBR

# Quick exhaust valves SEU Technical data







Туре	Connectio	n	B1	B2	В3	B4	D3	D4	D5	L1	L2	=©	3≕©	4=℃
	D1	D2					Ø	Ø	Ø					
SEU-1/8	G1/8	G1/8	33	-	22	7	25	16	-	21	7	22	-	-
SEU-1/4	G1/4	G1/4	42.5	30	27	9.5	33	-	29	28	10	-	19	19
SEU-3/8	G3/8	G3/8	71	39	36	11	45.5	-	41	38	-	-	24	24
SEU-1/2	G1/2	G1/2	90.5	49.5	45	13	56.5	-	48	47.5	-	-	32	32

Ordering data								
	Pneumatic		Standard nominal flow r	ate qnN	Standard flow rate qN at	Weight	Part No.	Туре
	connection	ı	at 6 bar 5 bar		6 bar 0 bar			
			Pressurisation 1 2	Exhausting 2 3	Exhausting 2 3			
	1	1 2 [l/min]		[l/min]	[l/min]	[g]		
	G½	G½8	300	550	1,000	65	4616	SEU-1/8
	G1/4	G1/4	960	1,100	2,300	120	6753	SEU-1/4
	G3/8	G3/8 2,880 2,2		2,280	4,680	160	6755	SEU-3/8
	G1/2	G1/2	4,560	4,020	6,500	320	6822	SEU-1/2

# Quick exhaust valves SE/SEU Accessories

**FESTO** 

### Mounting bracket HSE

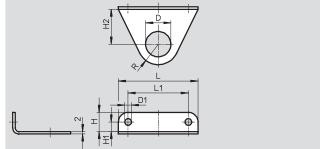
For attachment of quick exhaust valve SE/SEU, irrespective of cylinder.

### Material:

8

Anodised wrought aluminium alloy





Dimensions and o	mensions and ordering data														
For connecting	D	D1	Н	H1	H2	L	L1	R	Weight	Part No.	Туре				
thread	Ø	Ø							[g]						
G1/8	10	4.5	11	6	13.5	40	30	10	5.1	8710	HSE-1/8				
G <sup>1</sup> / <sub>4</sub>	13.2	4.5	11	6	17	42	32	14	6.4	8711	HSE-1/4				
G3/8	16.8	5.5	13	7	23.5	54	42	13	9	8712	HSE-3/8				
G1/2	21	5.5	16	8	29	66	50	17	14	8713	HSE-1/2				

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