Proportional-pressure regulator VEAB

Characteristics

At a glance

Innovative:
- Silent operation
- Very low power consumption
- Extremely precise
- Short switching times
- Integrated piezo technology

Flexible:
- In-line valves
- Sub-base valves
- Simple electrical and pneumatic interfaces
- Choice of different setpoint specifications: current input; voltage input
- Can be used with IO-Link®: Maximum performance, very flexible thanks to customisable control parameters, “Adjust zero” function and 2-point calibration, diagnostic functions

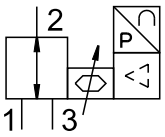
Operationally safe:
- Operating voltage diagnostics: overvoltage and undervoltage; setpoint value: not reached and exceeded
- Stable pressure control behaviour with long-term stability
- Durable

Easy to assemble:
- Mounting the in-line valve via three lateral through-holes
- Solid wall mounting or H-rail mounting

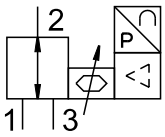
Directional control valve type

An integrated pressure sensor records the pressure at the working port and compares this value with the setpoint value. The pressure is automatically readjusted in the event of deviations.

[L] In-line valve

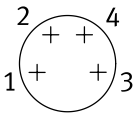


[B] Sub-base valve



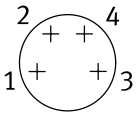
Characteristics

Setpoint input for individual valves



Pin 1 [brown]: +24 V DC supply voltage
Pin 2 [white]: + setpoint value
Pin 3 [blue]: GND
Pin 4 [black]: + actual value

[LK]	IO-Link®



Pin 1 [brown]: L+, supply voltage
Pin 2: not connected
Pin 3 [blue]: L-, GND
Pin 4 [black]: C/Q, signal

Diagrams Link veab

The diagrams shown in this document are also available online. These can be used to display precise values.

Type code

001	Series	
VEAB	Proportional pressure regulator	

002	Directional control valve type	
L	In-line valve	
B	Sub-base valve	

003	Valve function	
26	2x2/2-way valve, normally closed	

004	Pressure range [bar]	
D2	0 ... 2	
D7	0 ... 1	
D9	0 ... 6	
D12	0 ... 0.2	
D13	-1 ... 1	
D14	-1 ... 0	
D15	-0.5 ... 0.5	
D18	-1 ... 5	
D25	0 ... 5	

005	Pneumatic connection	
F	Flange/sub-base	
Q4	Push-in connector 4 mm	

006	Setpoint input for individual valves	
A4	4 ... 20 mA	
LK	IO-Link®	
V1	0 ... 10 V	
V2	0 ... 5 V	

007	Nominal operating voltage	
1	24 V DC	

008	Electrical connection	
R1	Individual connector M8, 4-pin	

Datasheet

General technical data									
Output pressure 2	-100 ... -0.5 kPa	1 ... 200 kPa	0.1 ... 20 kPa	3 ... 600 kPa	-100 ... 500 kPa	0.5 ... 100 kPa	2.5 ... 500 kPa	-50 ... 50 kPa	-100 ... 100 kPa
Output pressure 2	-1 ... -0.005 bar	0.01 ... 2 bar	0.001 ... 0.2 bar	0.03 ... 6 bar	-1 ... 5 bar	0.005 ... 1 bar	0.025 ... 5 bar	-0.5 ... 0.5 bar	-1 ... 1 bar
Output pressure 2	-14.5 ... -0.0725 psi	0.145 ... 29 psi	0.0145 ... 2.9 psi	0.435 ... 87 psi	-14.5 ... 72.5 psi	0.0725 ... 14.5 psi	0.3625 ... 72.5 psi	-7.25 ... 7.25 psi	-14.5 ... 14.5 psi
Standard nominal flow rate (standardised to DIN 1343)	4.5 l/min	20 l/min	5 l/min	20 l/min	21 l/min	13 l/min, 16 l/min	20 l/min	13.5 l/min	17 l/min
Valve function	3-way proportional pressure regulator								
Dimensions (W x L x H)	18 x 60.5 x 85 mm, 18 x 67 x 66 mm								
Pneumatic connection, port 1	Flange, QS-4								
Pneumatic connection, port 2	Flange, QS-4								
Pneumatic connection, port 3	Flange, QS-4								
Sealing principle	Soft								
Type of actuation	Electric								
Display type	LED								
Type of piloting	Direct								
Type of reset	Mechanical spring								
Type of mounting	Either:, With through-hole, With accessories								
Mounting position	optional								
Product weight	70 g								

Electrical data	
Electrical connection [1)]	4-pin, M8x1, Plugs, To EN 60947-5-2
Nominal operating voltage DC	24 V
Operational voltage range DC	19 ... 29 V
Residual ripple	10%
Max. electrical power consumption	1 W
Setpoint value	4 - 20 mA 0 - 5 V 0 - 10 V
Signal range analogue output	0 - 10 V 1 - 5 V 4 - 20 mA
Accuracy analogue output in ± %FS	2 %FS
Short circuit current rating	For all electrical connections
Reverse polarity protection	For all electrical connections
Degree of protection	IP65

1) Information on the fail-safe position of the VEAB: If the electrical power supply fails, the output pressure will remain blocked and may rise or fall – valve blocked.

Datasheet

Operating and environmental conditions

Output pressure 2	-100 ... -0.5 kPa	1 ... 200 kPa	0.1 ... 20 kPa	3 ... 600 kPa	-100 ... 500 kPa	0.5 ... 100 kPa	2.5 ... 500 kPa	-50 ... 50 kPa	-100 ... 100 kPa
Output pressure 2	-1 ... -0.005 bar	0.01 ... 2 bar	0.001 ... 0.2 bar	0.03 ... 6 bar	-1 ... 5 bar	0.005 ... 1 bar	0.025 ... 5 bar	-0.5 ... 0.5 bar	-1 ... 1 bar
Output pressure 2	-14.5 ... -0.0725 psi	0.145 ... 29 psi	0.0145 ... 2.9 psi	0.435 ... 87 psi	-14.5 ... 72.5 psi	0.0725 ... 14.5 psi	0.3625 ... 72.5 psi	-7.25 ... 7.25 psi	-14.5 ... 14.5 psi

Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4] Inert gases							
Note on operating and pilot medium	Lubricated operation not possible							
Inlet pressure 1	0 MPa	0 ... 0.4 MPa	0 ... 0.1 MPa	0 ... 0.65 MPa	0 ... 0.55 MPa	0 ... 0.3 MPa	0 ... 0.55 MPa	0 ... 0.2 MPa
Inlet pressure 1	0 bar	0 ... 4 bar	0 ... 1 bar	0 ... 6.5 bar	0 ... 5.5 bar	0 ... 3 bar	0 ... 5.5 bar	0 ... 2 bar
Hysteresis	0.25 %FS		0.5 %FS	0.25 %FS				
Linearity	0.5 %FS		0.8 %FS	0.5 %FS				
Reproducibility	0.4 %FS							
Total accuracy	0.75% FS		0.8% FS	0.75% FS				
Temperature cooefficient	0.05 %/K							
Ambient temperature	0 ... 50°C							
Media temperature	5 ... 50°C							
Storage temperature	-20 ... 70°C							
Corrosion resistance class CRC [1]	2 - Moderate corrosion stress							
CE mark (see declaration of conformity) [2]	To EU EMC Directive In accordance with EU RoHS Directive							
UKCA marking (see declaration of conformity)[3]	To UK instructions for EMC To UK RoHS instructions							
Approval	RCM trademark							

1) More information www.festo.com/x/topic/crc

2) For information about the area of use, see the declaration of conformity at: www.festo.com/catalogue/... d Support/Downloads.
If the devices are subject to usage restrictions in residential, commercial or light-industrial environments, further measures for the reduction of the emitted interference may be necessary.

3) For information about the area of use, see the declaration of conformity at: www.festo.com/catalogue/... d Support/Downloads.
If the devices are subject to usage restrictions in residential, commercial or light-industrial environments, further measures for the reduction of the emitted interference may be necessary.

Materials

Material seals	NBR
Material housing	PA-reinforced
Note on materials	RoHS-compliant
LABS (PWIS) conformity	VDMA24364 zone III

General technical data, IO-Link®

Output pressure 2	-0.1 ... 0.1 MPa	-0.1 ... 0 MPa	0 ... 0.02 MPa	0 ... 0.1 MPa	0 ... 0.2 MPa	0 ... 0.6 MPa
Output pressure 2	-1 ... 1 bar	-1 ... 0 bar	0 ... 0.2 bar	0 ... 1 bar	0 ... 2 bar	0 ... 6 bar
Output pressure 2	-14.5 ... 14.5 psi	-14.5 ... 0 psi	0 ... 2.9 psi	0 ... 14.5 psi	0 ... 29 psi	0 ... 87 psi

Standard nominal flow rate (standardised to DIN 1343)	17 l/min	4.5 l/min	5 l/min	13 l/min	20 l/min
Valve function	3-way proportional-pressure regulator, closed				
Dimensions (W x L x H)	18 x 60.5 x 85 mm 18 x 67 x 66 mm				
Pneumatic connection, port 1	Flange QS-4				
Pneumatic connection, port 2	Flange QS-4				
Pneumatic connection, port 3	Flange QS-4				
Sealing principle	Soft				
Type of actuation	Electric				
Display type	LED				
Type of piloting	Direct				
Type of reset	Mechanical spring				
Type of mounting	Either:, With through-hole, With accessories				
Mounting position	optional				
Product weight	70 g				

Datasheet

Electrical data, IO-Link®	
Electrical connection [1]	4-pin M8x1 Plugs To EN 60947-5-2
IO-Link, Number of ports	1
IO-Link, Protocol version	Device V 1.1
IO-Link, Device ID	0x03A2 0x03A3 0x03A4 0x03A5 0x03A6 0x03A7
IO-Link, communication mode	COM3 (230.4 kBaud)
IO-Link, port type	Class A
IO-Link, connection technology	Device 3-pin
IO-Link, Port class	Device A
IO-Link, Min. cycle time	0.5 ms
IO-Link, Process data length OUT	2 bytes
IO-Link, Process data length IN	2 bytes
Nominal operating voltage DC	24 V
Operational voltage range DC	18 ... 30 V
Residual ripple	10%
Max. electrical power consumption	1.5 W
Max. current consumption	83 mA
Setpoint value input	IO-Link
Short circuit current rating	For all electrical connections
Reverse polarity protection	For all electrical connections
Degree of protection	IP65
Max. cable length	20 m

1) Information on the fail-safe position of the VEAB: If the electrical power supply fails, the output pressure will remain blocked and may rise or fall – valve blocked.

Datasheet

Operating and ambient conditions, IO-Link®						
Output pressure 2	-0.1 ... 0.1 MPa	-0.1 ... 0 MPa	0 ... 0.02 MPa	0 ... 0.1 MPa	0 ... 0.2 MPa	0 ... 0.6 MPa
Output pressure 2	-1 ... 1 bar	-1 ... 0 bar	0 ... 0.2 bar	0 ... 1 bar	0 ... 2 bar	0 ... 6 bar
Output pressure 2	-14.5 ... 14.5 psi	-14.5 ... 0 psi	0 ... 2.9 psi	0 ... 14.5 psi	0 ... 29 psi	0 ... 87 psi
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4] Inert gases					
Note on operating and pilot medium	Lubricated operation not possible					
Inlet pressure 1	0 ... 0.2 MPa	0 MPa	0 ... 0.1 MPa	0 ... 0.3 MPa	0 ... 0.4 MPa	0 ... 0.65 MPa
Inlet pressure 1	0 ... 2 bar	0 bar	0 ... 1 bar	0 ... 3 bar	0 ... 4 bar	0 ... 6.5 bar
Hysteresis	0.25 %FS					
Linearity	0.25 %FS	0.35 %FS	0.5 %FS	0.35 %FS	0.25 %FS	
Reproducibility	0.2 %FS					
Total accuracy	0.5% FS		0.7% FS	0.5% FS		
Temperature cooefficient	0.05 %/K					
Ambient temperature	0 ... 50°C					
Media temperature	5 ... 50°C					
Storage temperature	-20 ... 70°C					
Corrosion resistance class CRC [1]	2 - Moderate corrosion stress					
CE mark (see declaration of conformity) [2]	To EU EMC Directive In accordance with EU RoHS Directive					
UKCA marking (see declaration of conformity)[3]	To UK instructions for EMC To UK RoHS instructions					
Approval	RCM trademark					
Vibration resistance	Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6					
Shock resistance	Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27					

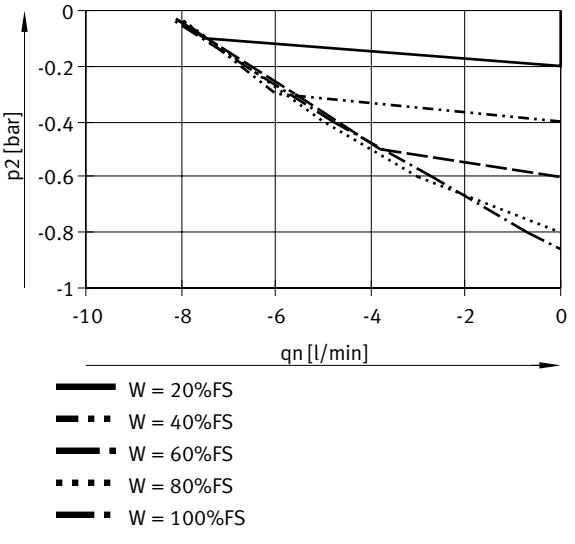
1) More information www.festo.com/x/topic/kbk

2) For information about the area of use, see the declaration of conformity at: www.festo.com/catalogue/... → Support/Downloads.
If the devices are subject to usage restrictions in residential, commercial or light industrial environments, further measures for reducing the emitted interference may be necessary.

3) For information about the area of use, see the declaration of conformity at: www.festo.com/catalogue/... → Support/Downloads.
If the devices are subject to usage restrictions in residential, commercial or light industrial environments, further measures for reducing the emitted interference may be necessary.

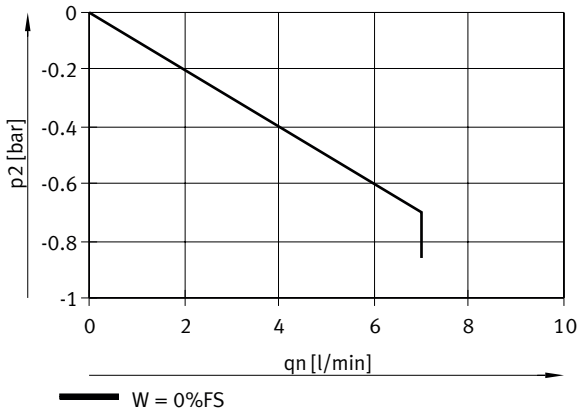
Materials, IO-Link®	
Material seals	EPDM HNBR NBR
Material housing	PA-reinforced
Note on materials	RoHS-compliant
LABS (PWIS) conformity	VDMA24364 zone III

VEAB-...-D14-..., output pressure 2 (pressure regulation range) -1 ... -0.005 bar, flow rate qn from 3 → 2 depending on output pressure p2

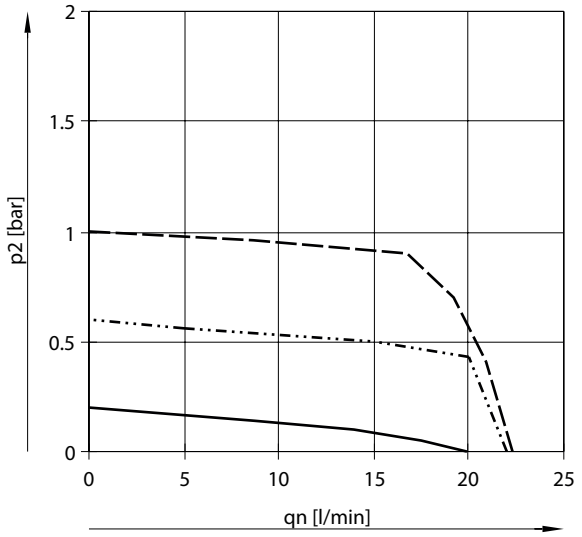


Datasheet

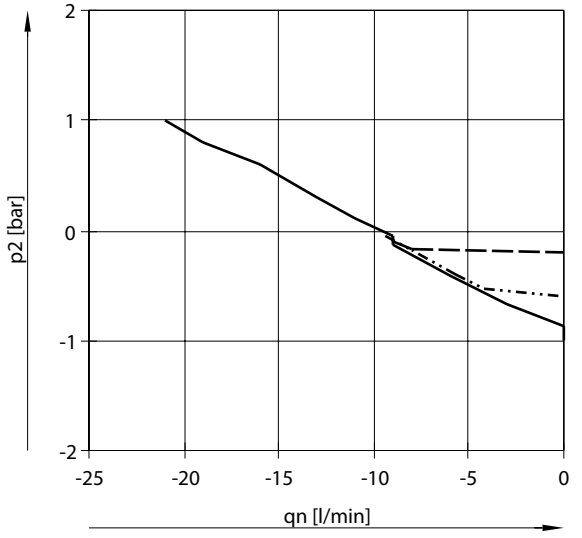
VEAB-...-D14-..., output pressure 2 (pressure regulation range) -1 ... -0.005 bar, flow rate qn from 1 → 2 depending on output pressure p2



VEAB-...-D13-..., output pressure 2 (pressure regulation range) -1 ... 1 bar, flow rate qn from 1 → 2 depending on output pressure p2

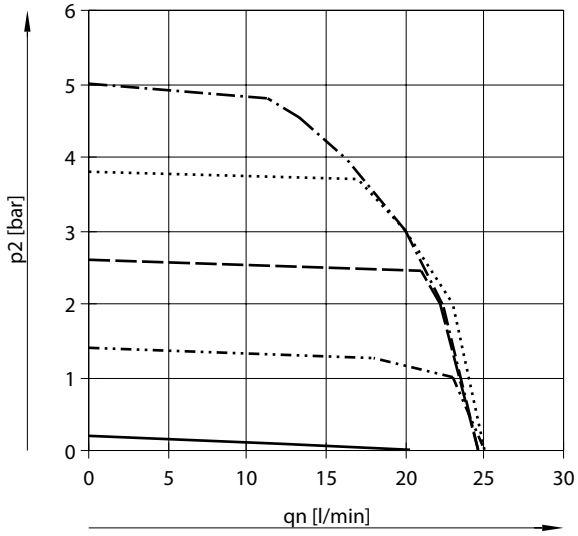


VEAB-...-D13-..., output pressure 2 (pressure regulation range) -1 ... 1 bar, flow rate qn from 2 → 3 depending on output pressure p2

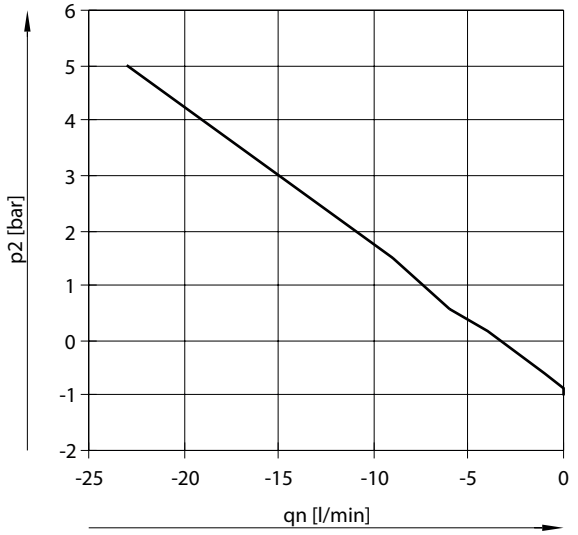


Datasheet

VEAB-...-D18-..., output pressure 2 (pressure regulation range) -1 ... 5 bar, flow rate qn from 1 → 2 depending on output pressure p2

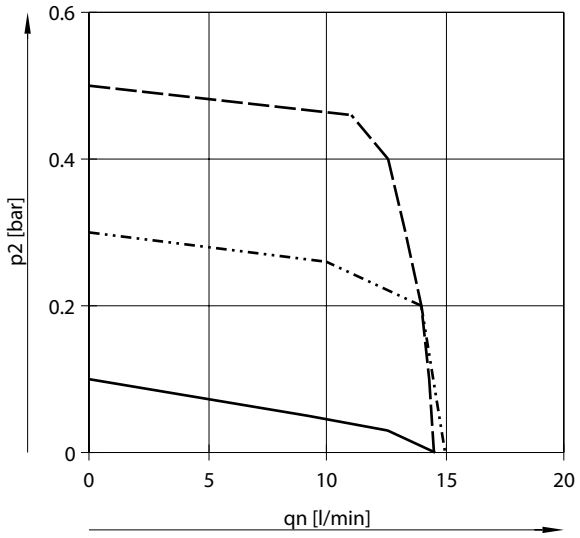


VEAB-...-D18-..., output pressure 2 (pressure regulation range) -1 ... 5 bar, flow rate qn from 2 → 3 depending on output pressure p2

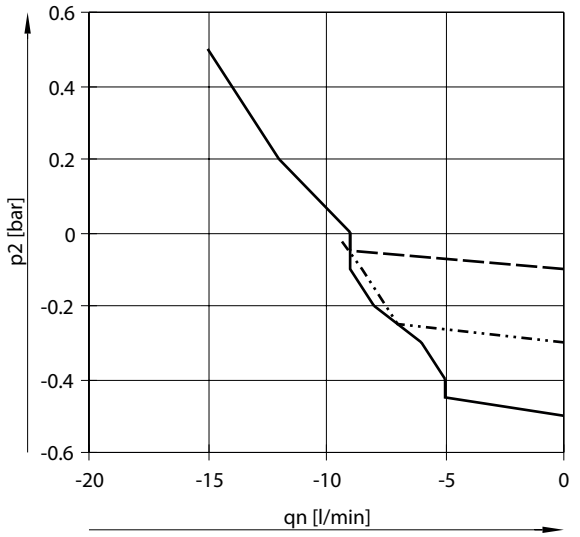


Datasheet

VEAB-...-D15-..., output pressure 2 (pressure regulation range) -0.5 ... 0.5 bar, flow rate qn from 1 → 2 depending on output pressure p2

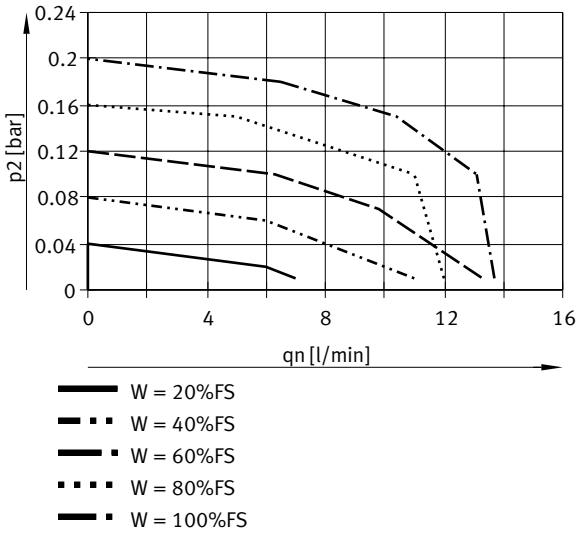


VEAB-...-D15-..., output pressure 2 (pressure regulation range) -0.5 ... 0.5 bar, flow rate qn from 2 → 3 depending on output pressure p2

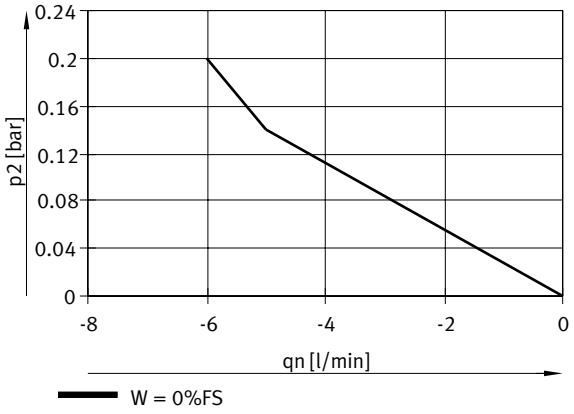


Datasheet

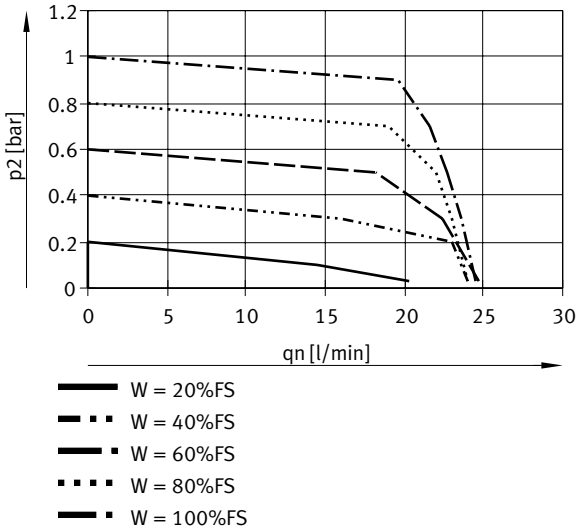
VEAB-...-D12-..., output pressure 2 (pressure regulation range) 0.001 ... 0.2 bar, flow rate qn from 1 → 2 depending on output pressure p2



VEAB-...-D12-..., output pressure 2 (pressure regulation range) 0.001 ... 0.2 bar, flow rate qn from 2 → 3 depending on output pressure p2

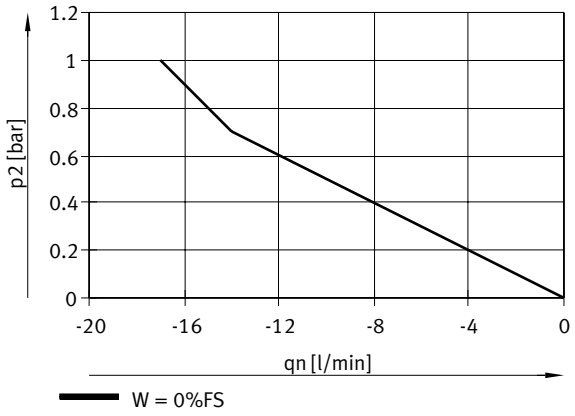


VEAB-...-D7-..., output pressure 2 (pressure regulation range) 0.005 ... 1 bar, flow rate qn from 1 → 2 depending on output pressure p2

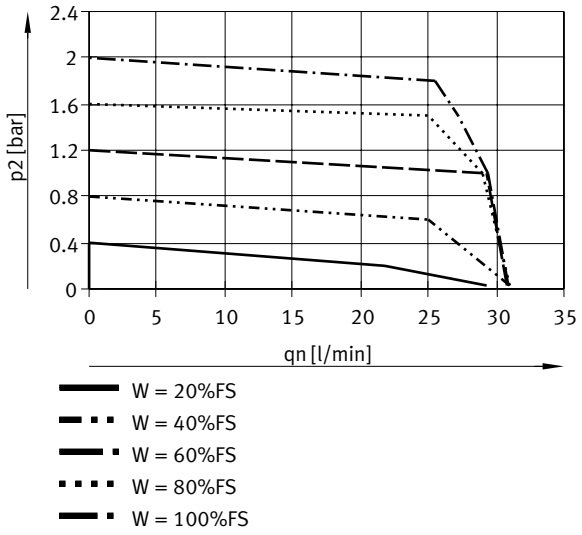


Datasheet

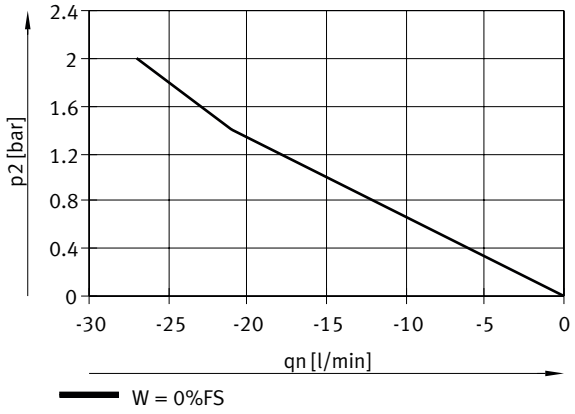
VEAB-...-D7-..., output pressure 2 (pressure regulation range) 0.005 ... 1 bar, flow rate qn from 2 → 3 depending on output pressure p2



VEAB-...-D2-..., output pressure 2 (pressure regulation range) 0.01 ... 2 bar, flow rate qn from 1 → 2 depending on output pressure p2

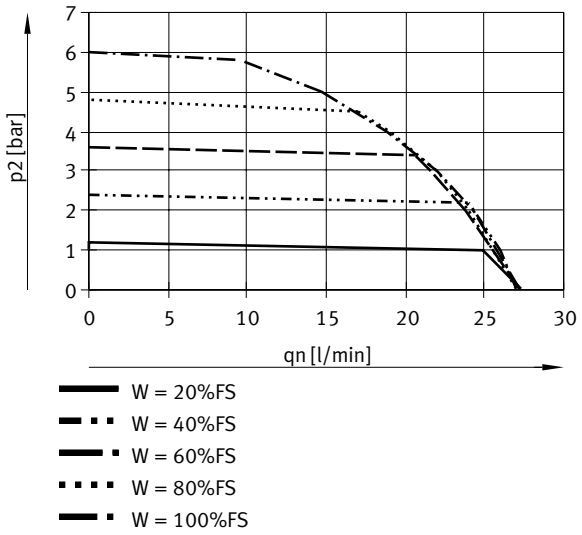


VEAB-...-D2-..., output pressure 2 (pressure regulation range) 0.01 ... 2 bar, flow rate qn from 2 → 3 depending on output pressure p2

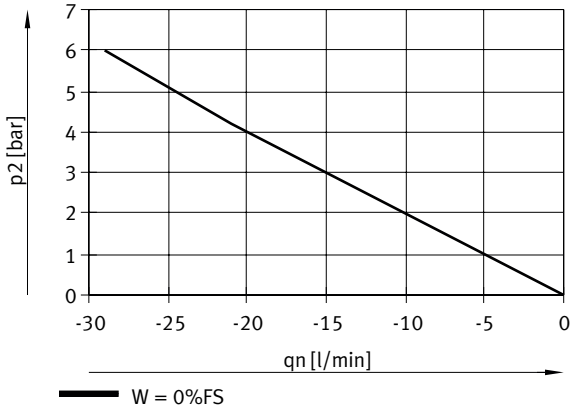


Datasheet

VEAB-...-D9-..., output pressure 2 (pressure regulation range) 0.03 ... 6 bar, flow rate qn from 1 → 2 depending on output pressure p2

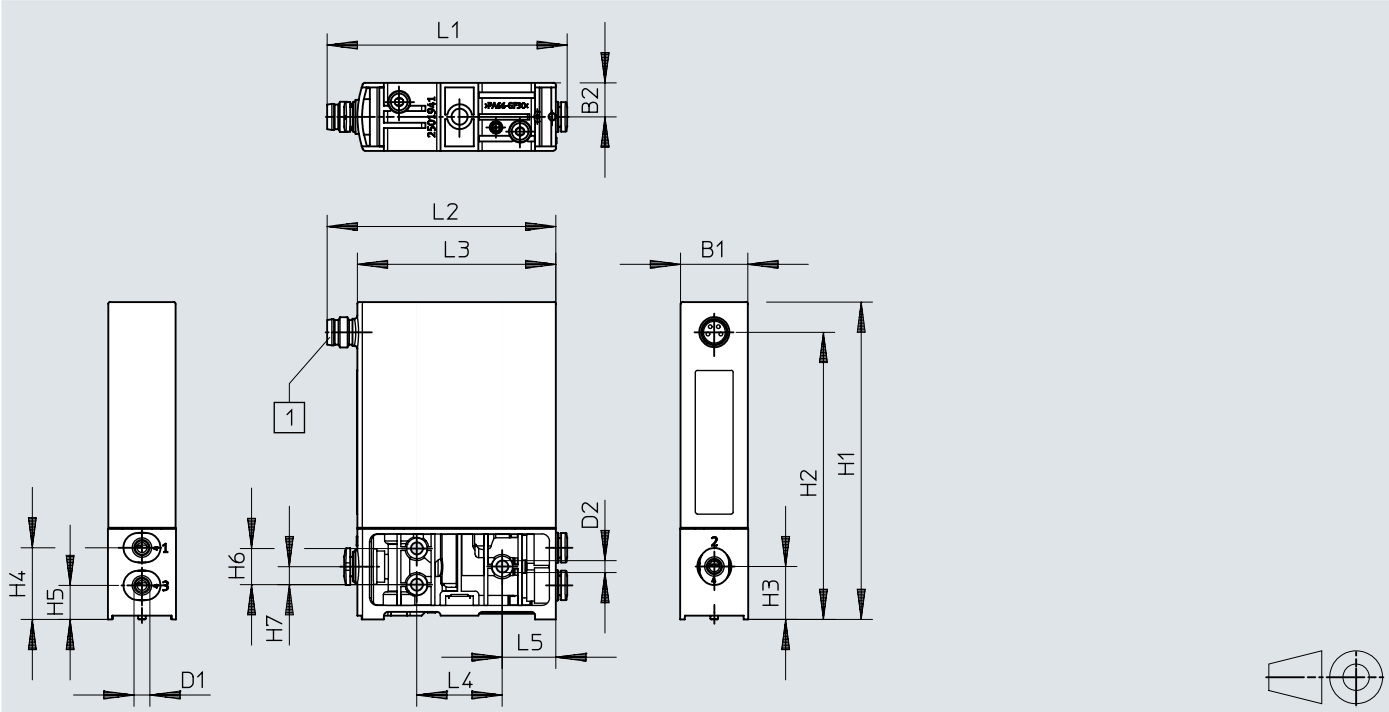


VEAB-...-D9-..., output pressure 2 (pressure regulation range) 0.03 ... 6 bar, flow rate qn from 2 → 3 depending on output pressure p2



Dimensions

Dimensions – In-line valve Download CAD data www.festo.com



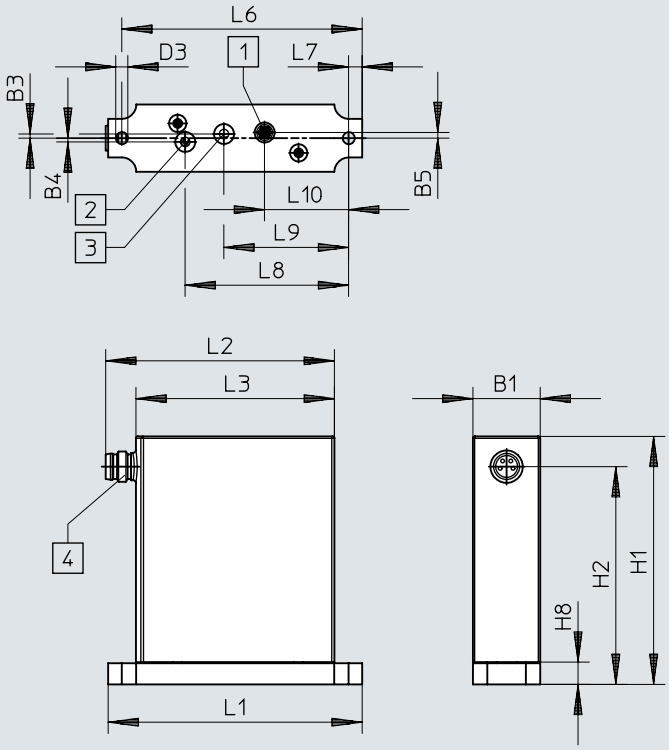
[1] Plug M8x1, 4-pin

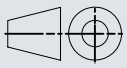
	B1	B2	D1 ø	D2 ø	H1	H2	H3	H4	H5	H6	H7
VEAB-L	18	9	4	3,2	85	76	14	19	9,5	9,6	4,8

	L1	L2	L3	L4	L5
VEAB-L	64	60,5	52,5	22,6	14,2

Dimensions

Dimensions – Sub-base valve Download CAD data www.festo.com





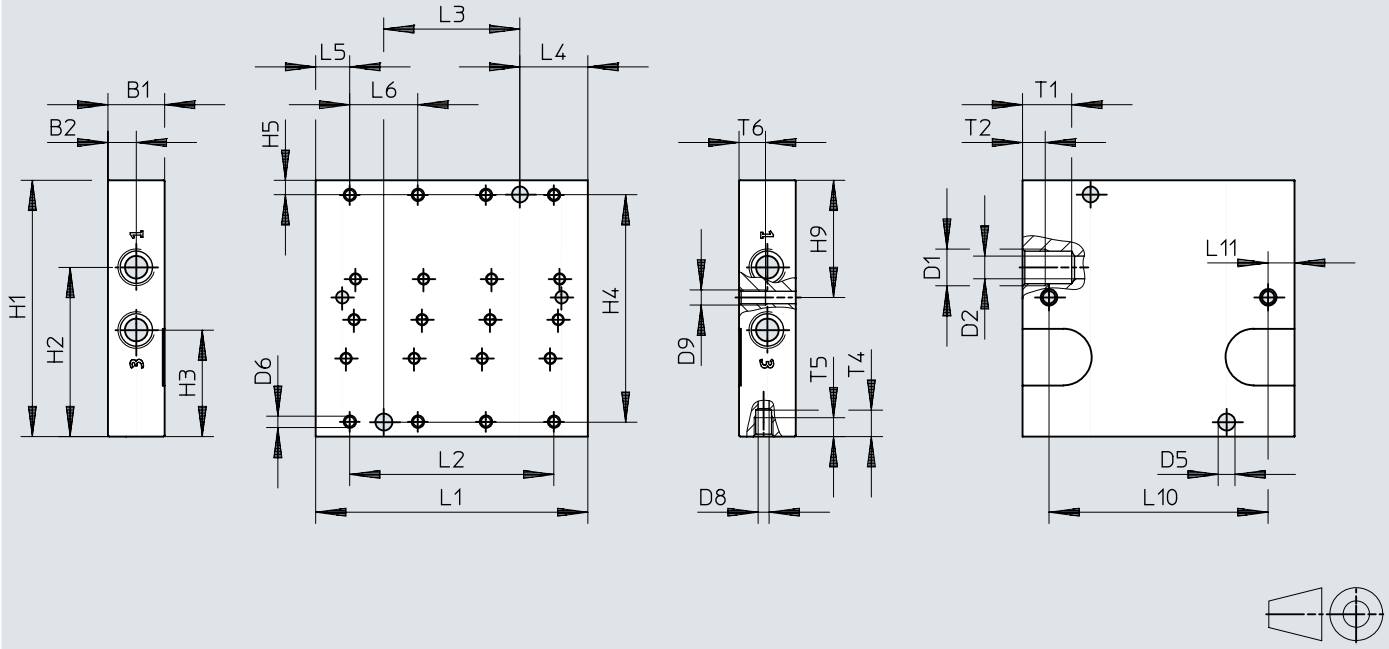
[1] Port 1, compressed air
[2] Port 2, working air
[3] Port 3, exhaust air
[4] Plug M8x1, 4-pin

	B1	B3	B4	B5	D3 ø	H1	H2	H8
VEAB-B	18	1,1	1	1,5	3,2	66	58	6

	L1	L2	L3	L6	L7	L8	L9	L10
VEAB-B	67,2	60,5	52,5	63,6	3,6	43,3	33	22,3

Dimensions

Dimensions – Connecting cable, lateral connection direction Download CAD data www.festo.com

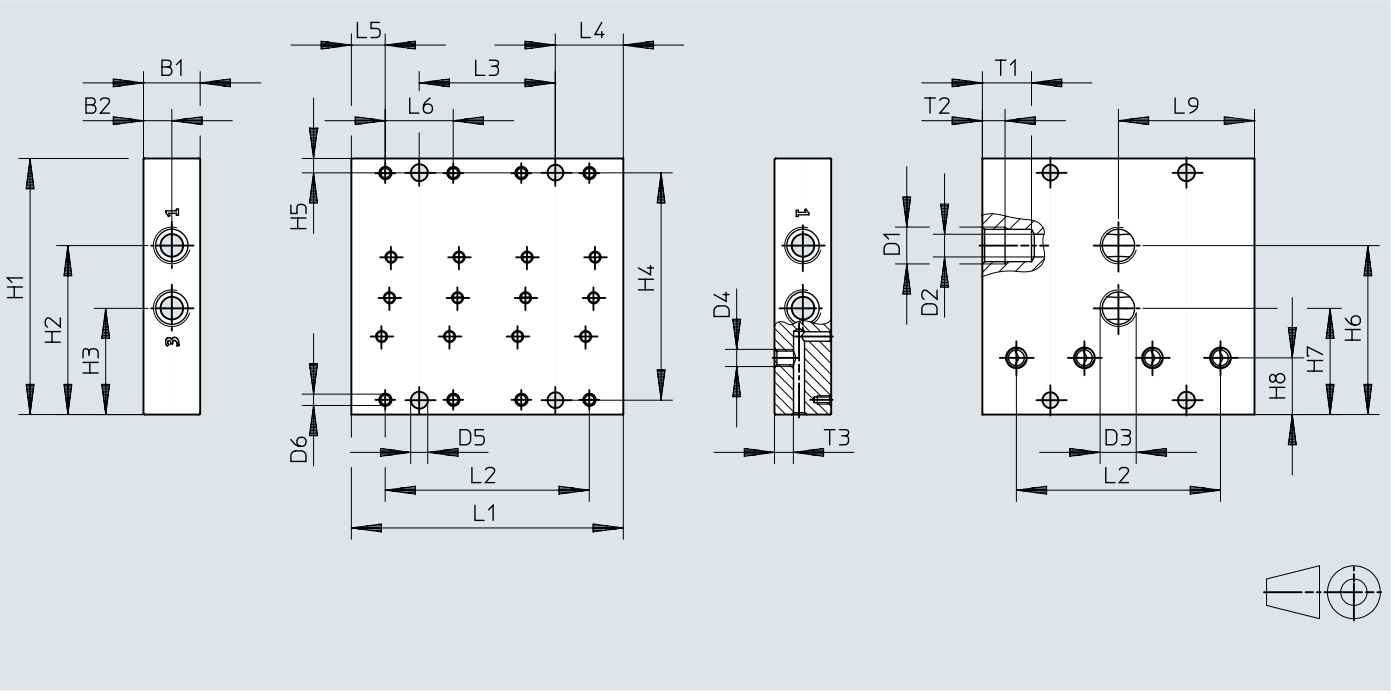


	B1	B2	B3	D1	D2 ø	D5 ø	D6	D7	D8 ø	D9	H1	H2	H3	H4	H5	H9
VABM-P7-18M-G18-M5-4	15	7,5	8,5	G1/8	6	4,5	M3	M5	2,9	M4	67,8	44,8	28,2	60,2	3,8	31
VABM-P7-18M-G18-M5-6																
VABM-P7-18M-G18-M5-8																

	L1	L2	L3	L4	L5	L6	L10	L11	T1	T2	T4	T5	T6
VABM-P7-18M-G18-M5-4	72	54	36	18	9	18	58	7	13	6	7	5	7
VABM-P7-18M-G18-M5-6	108	90	72				94						
VABM-P7-18M-G18-M5-8	144	126	108				130						

Dimensions

Dimensions – Manifold rail, connection direction underneath Download CAD data www.festo.com



	B1	B2	B3	D1	D2 ø	D3	D4	D5 ø	D6	D7 ø	H1	H2	H3	H4	H5	H6
VABM-P7-18MB-G18-M5-4	15	7,5	8,5	G1/8	6	G1/8	M5	4,5	M3	2,9	67,8	44,8	28,2	60,2	3,8	44,8
VABM-P7-18MB-G18-M5-6																
VABM-P7-18MB-G18-M5-8																

	H7	H8	L1	L2	L3	L4	L5	L6	L9	T1	T2	T3
VABM-P7-18MB-G18-M5-4	28,2	15	72	54	36	18	9	18	36	13	6	5
VABM-P7-18MB-G18-M5-6			108	90	72							
VABM-P7-18MB-G18-M5-8			144	126	108							

Ordering data

In-line valve

	Setpoint value	Output pressure 2	Output pressure 2	Output pressure 2	Part no.	Type
	4 - 20 mA	-100 ... -0.5000 kPa	-1 ... -0.005 bar	-14.5 ... -0.0725 psi	**8046308**	**VEAB-L-26-D14-Q4-A4-1R1**
		-100 ... 100.0000 kPa	-1 ... 1 bar	-14.5 ... 14.5 psi	**8067678**	**VEAB-L-26-D13-Q4-A4-1R1**
		-100 ... 500.0000 kPa	-1 ... 5 bar	-14.5 ... 72.5 psi	**8067680**	**VEAB-L-26-D18-Q4-A4-1R1**
		-50 ... 50.0000 kPa	-0.5 ... 0.5 bar	-7.25 ... 7.25 psi	**8067676**	**VEAB-L-26-D15-Q4-A4-1R1**
		0.1 ... 20.0000 kPa	0.001 ... 0.2 bar	0.015 ... 2.9 psi	**8046302**	**VEAB-L-26-D12-Q4-A4-1R1**
		0.5 ... 100.0000 kPa	0.005 ... 1 bar	0.072 ... 14.5 psi	**8046304**	**VEAB-L-26-D7-Q4-A4-1R1**
		1 ... 200.0000 kPa	0.01 ... 2 bar	0.145 ... 29 psi	**8046306**	**VEAB-L-26-D2-Q4-A4-1R1**
		3 ... 600.0000 kPa	0.03 ... 6 bar	0.435 ... 87 psi	**8046300**	**VEAB-L-26-D9-Q4-A4-1R1**
	0 - 5 V	-100 ... -0.5000 kPa	-1 ... -0.005 bar	-14.5 ... -0.0725 psi	**8153676**	**VEAB-L-26-D14-Q4-V2-1R1**
		-100 ... 100.0000 kPa	-1 ... 1 bar	-14.5 ... 14.5 psi	**8153681**	**VEAB-L-26-D13-Q4-V2-1R1**
		-100 ... 500.0000 kPa	-1 ... 5 bar	-14.5 ... 72.5 psi	**8153682**	**VEAB-L-26-D18-Q4-V2-1R1**
		-50 ... 50.0000 kPa	-0.5 ... 0.5 bar	-7.25 ... 7.25 psi	**8153680**	**VEAB-L-26-D15-Q4-V2-1R1**
		0.1 ... 20.0000 kPa	0.001 ... 0.2 bar	0.015 ... 2.9 psi	**8153673**	**VEAB-L-26-D12-Q4-V2-1R1**
		0.5 ... 100.0000 kPa	0.005 ... 1 bar	0.072 ... 14.5 psi	**8153674**	**VEAB-L-26-D7-Q4-V2-1R1**
		1 ... 200.0000 kPa	0.01 ... 2 bar	0.145 ... 29 psi	**8153675**	**VEAB-L-26-D2-Q4-V2-1R1**
		2.5 ... 500.0000 kPa	0.025 ... 5 bar	0.362 ... 72.5 psi	**8153685**	**VEAB-L-26-D25-Q4-V2-1R1**
		3 ... 600.0000 kPa	0.03 ... 6 bar	0.435 ... 87 psi	**8153672**	**VEAB-L-26-D9-Q4-V2-1R1**
	0 - 10 V	-100 ... -0.5000 kPa	-1 ... -0.005 bar	-14.5 ... -0.0725 psi	**8046307**	**VEAB-L-26-D14-Q4-V1-1R1**
		-100 ... 100.0000 kPa	-1 ... 1 bar	-14.5 ... 14.5 psi	**8067677**	**VEAB-L-26-D13-Q4-V1-1R1**
		-100 ... 500.0000 kPa	-1 ... 5 bar	-14.5 ... 72.5 psi	**8067679**	**VEAB-L-26-D18-Q4-V1-1R1**
		-50 ... 50.0000 kPa	-0.5 ... 0.5 bar	-7.25 ... 7.25 psi	**8067675**	**VEAB-L-26-D15-Q4-V1-1R1**
		0.1 ... 20.0000 kPa	0.001 ... 0.2 bar	0.015 ... 2.9 psi	**8046301**	**VEAB-L-26-D12-Q4-V1-1R1**
		0.5 ... 100.0000 kPa	0.005 ... 1 bar	0.072 ... 14.5 psi	**8046303**	**VEAB-L-26-D7-Q4-V1-1R1**
		1 ... 200.0000 kPa	0.01 ... 2 bar	0.145 ... 29 psi	**8046305**	**VEAB-L-26-D2-Q4-V1-1R1**
		3 ... 600.0000 kPa	0.03 ... 6 bar	0.435 ... 87 psi	**8046299**	**VEAB-L-26-D9-Q4-V1-1R1**

Ordering data

Sleeve valve, IO-Link®

	Setpoint value input	Output pressure 2	Output pressure 2	Output pressure 2	Part no.	Type
	IO-Link	-0.1 ... 0 MPa	-1 ... 0 bar	-14.5 ... 0 psi	**8191407**	**VEAB-L-26-D14-Q4-LK-1R1**
		-0.1 ... 0.1 MPa	-1 ... 1 bar	-14.5 ... 14.5 psi	**8191403**	**VEAB-L-26-D13-Q4-LK-1R1**
		0 ... 0.02 MPa	0 ... 0.2 bar	0 ... 2.9 psi	**8191408**	**VEAB-L-26-D12-Q4-LK-1R1**
		0 ... 0.1 MPa	0 ... 1 bar	0 ... 14.5 psi	**8191405**	**VEAB-L-26-D7-Q4-LK-1R1**
		0 ... 0.2 MPa	0 ... 2 bar	0 ... 29 psi	**8191404**	**VEAB-L-26-D2-Q4-LK-1R1**
		0 ... 0.6 MPa	0 ... 6 bar	0 ... 87 psi	**8191406**	**VEAB-L-26-D9-Q4-LK-1R1**

Sub-base valve

	Setpoint value	Output pressure 2	Output pressure 2	Output pressure 2	Part no.	Type
	4 - 20 mA	-100 ... -0.5000 kPa	-1 ... -0.005 bar	-14.5 ... -0.0725 psi	**8046272**	**VEAB-B-26-D14-F-A4-1R1**
		-100 ... 100.0000 kPa	-1 ... 1 bar	-14.5 ... 14.5 psi	**8067670**	**VEAB-B-26-D13-F-A4-1R1**
		-100 ... 500.0000 kPa	-1 ... 5 bar	-14.5 ... 72.5 psi	**8067672**	**VEAB-B-26-D18-F-A4-1R1**
		-50 ... 50.0000 kPa	-0.5 ... 0.5 bar	-7.25 ... 7.25 psi	**8067668**	**VEAB-B-26-D15-F-A4-1R1**
		0.1 ... 20.0000 kPa	0.001 ... 0.2 bar	0.015 ... 2.9 psi	**8046266**	**VEAB-B-26-D12-F-A4-1R1**
		0.5 ... 100.0000 kPa	0.005 ... 1 bar	0.072 ... 14.5 psi	**8046268**	**VEAB-B-26-D7-F-A4-1R1**
		1 ... 200.0000 kPa	0.01 ... 2 bar	0.145 ... 29 psi	**8046270**	**VEAB-B-26-D2-F-A4-1R1**
		3 ... 600.0000 kPa	0.03 ... 6 bar	0.435 ... 87 psi	**8046264**	**VEAB-B-26-D9-F-A4-1R1**
	0 - 5 V	-100 ... -0.5000 kPa	-1 ... -0.005 bar	-14.5 ... -0.0725 psi	**8153671**	**VEAB-B-26-D14-F-V2-1R1**
		-100 ... 100.0000 kPa	-1 ... 1 bar	-14.5 ... 14.5 psi	**8153678**	**VEAB-B-26-D13-F-V2-1R1**
		-100 ... 500.0000 kPa	-1 ... 5 bar	-14.5 ... 72.5 psi	**8153679**	**VEAB-B-26-D18-F-V2-1R1**
		-50 ... 50.0000 kPa	-0.5 ... 0.5 bar	-7.25 ... 7.25 psi	**8153677**	**VEAB-B-26-D15-F-V2-1R1**
		0.1 ... 20.0000 kPa	0.001 ... 0.2 bar	0.015 ... 2.9 psi	**8153668**	**VEAB-B-26-D12-F-V2-1R1**
		0.5 ... 100.0000 kPa	0.005 ... 1 bar	0.072 ... 14.5 psi	**8153669**	**VEAB-B-26-D7-F-V2-1R1**
		1 ... 200.0000 kPa	0.01 ... 2 bar	0.145 ... 29 psi	**8153670**	**VEAB-B-26-D2-F-V2-1R1**
		2.5 ... 500.0000 kPa	0.025 ... 5 bar	0.362 ... 72.5 psi	**8153684**	**VEAB-B-26-D25-F-V2-1R1**
		3 ... 600.0000 kPa	0.03 ... 6 bar	0.435 ... 87 psi	**8153667**	**VEAB-B-26-D9-F-V2-1R1**
	0 - 10 V	-100 ... -0.5000 kPa	-1 ... -0.005 bar	-14.5 ... -0.0725 psi	**8046271**	**VEAB-B-26-D14-F-V1-1R1**
		-100 ... 100.0000 kPa	-1 ... 1 bar	-14.5 ... 14.5 psi	**8067669**	**VEAB-B-26-D13-F-V1-1R1**
		-100 ... 500.0000 kPa	-1 ... 5 bar	-14.5 ... 72.5 psi	**8067671**	**VEAB-B-26-D18-F-V1-1R1**

Ordering data

Sub-base valve

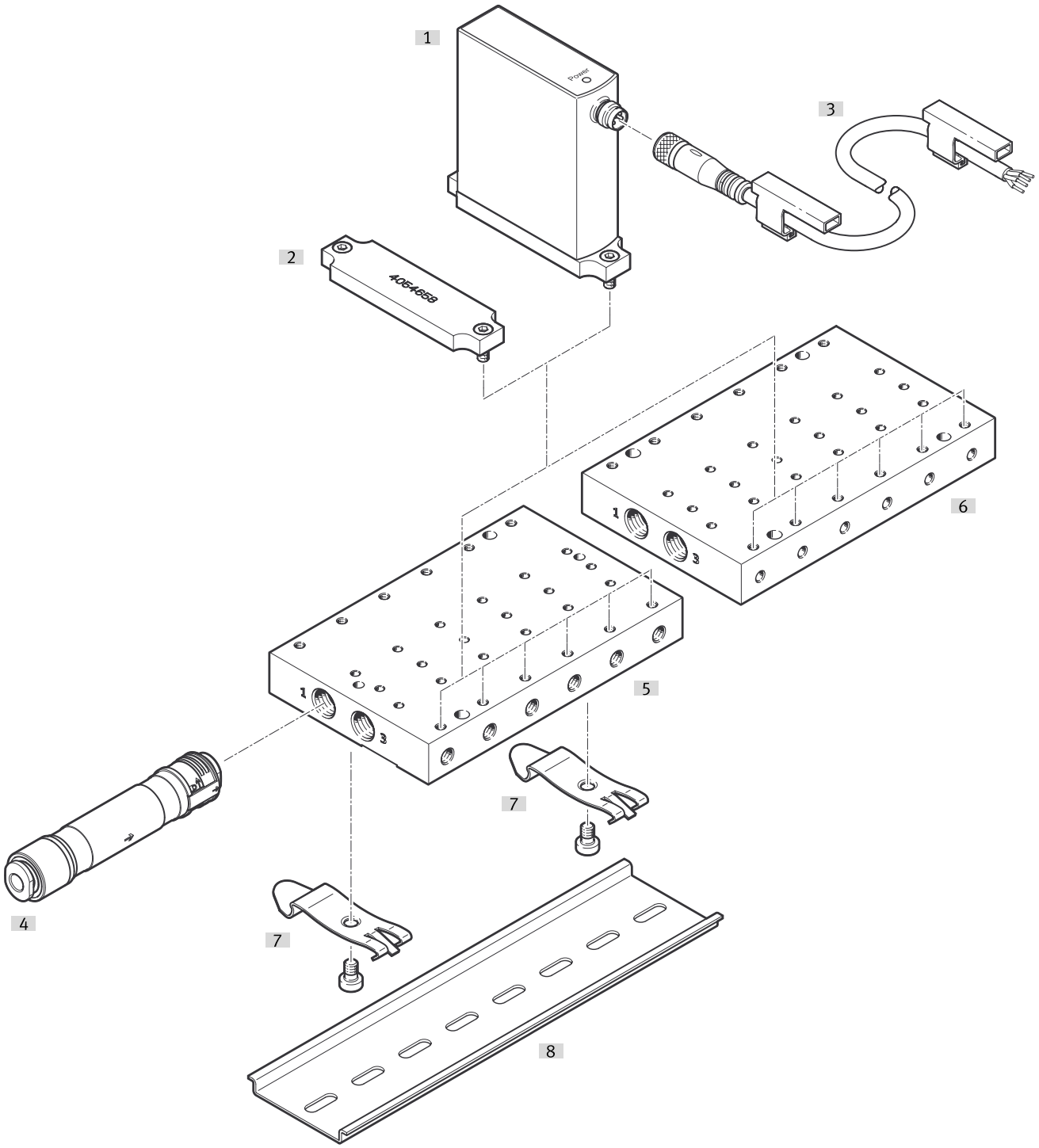
	Setpoint value	Output pressure 2	Output pressure 2	Output pressure 2	Part no.	Type
	0 - 10 V	-50 ... 50.0000 kPa	-0.5 ... 0.5 bar	-7.25 ... 7.25 psi	**8067667**	**VEAB-B-26-D15-F-V1-1R1**
		0.1 ... 20.0000 kPa	0.001 ... 0.2 bar	0.015 ... 2.9 psi	**8046265**	**VEAB-B-26-D12-F-V1-1R1**
		0.5 ... 100.0000 kPa	0.005 ... 1 bar	0.072 ... 14.5 psi	**8046267**	**VEAB-B-26-D7-F-V1-1R1**
		1 ... 200.0000 kPa	0.01 ... 2 bar	0.145 ... 29 psi	**8046269**	**VEAB-B-26-D2-F-V1-1R1**
		3 ... 600.0000 kPa	0.03 ... 6 bar	0.435 ... 87 psi	**8046263**	**VEAB-B-26-D9-F-V1-1R1**

Sub-base valve, IO-Link®.

	Setpoint value input	Output pressure 2	Output pressure 2	Output pressure 2	Part no.	Type
	IO-Link	-0.1 ... 0 MPa	-1 ... 0 bar	-14.5 ... 0 psi	**8191413**	**VEAB-B-26-D14-F-LK-1R1**
		-0.1 ... 0.1 MPa	-1 ... 1 bar	-14.5 ... 14.5 psi	**8191409**	**VEAB-B-26-D13-F-LK-1R1**
		0 ... 0.02 MPa	0 ... 0.2 bar	0 ... 2.9 psi	**8191414**	**VEAB-B-26-D12-F-LK-1R1**
		0 ... 0.1 MPa	0 ... 1 bar	0 ... 14.5 psi	**8191411**	**VEAB-B-26-D7-F-LK-1R1**
		0 ... 0.2 MPa	0 ... 2 bar	0 ... 29 psi	**8191410**	**VEAB-B-26-D2-F-LK-1R1**
		0 ... 0.6 MPa	0 ... 6 bar	0 ... 87 psi	**8191412**	**VEAB-B-26-D9-F-LK-1R1**

Peripherals

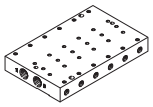
Valve manifold assembly VEAB



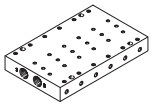
Accessories			→ Link
	Type/order code	Description	
[1]	Proportional-pressure regulator VEAB	–	veab
[2]	Cover plate VABB	–	23
[3]	Connecting cable NEBA	–	23
[4]	Inline filter OAFA	For control cabinet installation	24
[5]	Manifold rail VABM-P7-G18MB	Connection direction underneath, for wall mounting and control cabinet installation	23
[6]	Manifold rail VABM-P7-G18M	Connection direction at the side, for control cabinet installation	23
[7]	H-rail mounting VAME	For mounting the H-rail	23
[8]	H-rail NRH352000	For control cabinet installation	24

Accessories

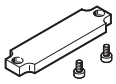
Manifold rail, connection direction on the side

	Max. number of valve positions	Part no.	Type
	4	**8076386**	**VABM-P7-18M-G18-M5-4**
	6	**8076388**	**VABM-P7-18M-G18-M5-6**
	8	**8076390**	**VABM-P7-18M-G18-M5-8**

Manifold rail, connection direction underneath

	Max. number of valve positions	Part no.	Type
	4	**8076387**	**VABM-P7-18MB-G18-M5-4**
	6	**8076389**	**VABM-P7-18MB-G18-M5-6**
	8	**8076391**	**VABM-P7-18MB-G18-M5-8**

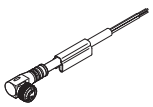
Cover plate, incl. screws (2 pieces) and O-ring (3 pieces pre-assembled)

	Product weight	Part no.	Type
	20 g	**4054658**	**VABB-P7-M**

Connecting cable, straight socket, open end

	Electrical connection 1, connector system	Electrical connection 2, connector system	Electrical connection 2, number of connections/ cores	Cable length	Part no.	Type
	M8x1, A-coded, to EN 61076-2-104	Open end	4	2.5 m	**8078227**	**NEBA-M8G4-U-2.5-N-LE4**
				5 m	**8078228**	**NEBA-M8G4-U-5-N-LE4**

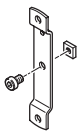
Connecting cable, angled socket, open end

	Electrical connection 1, connector system	Electrical connection 2, connector system	Electrical connection 2, number of connections/ cores	Cable length	Part no.	Type
	M8x1, A-coded, to EN 61076-2-104	Open end	4	2.5 m	**8078233**	**NEBA-M8W4-U-2.5-N-LE4**
				5 m	**8078234**	**NEBA-M8W4-U-5-N-LE4**

H-rail mounting for H-rail NRH-35-2000

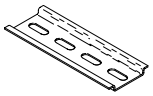
	Material H-rail mounting	LABS (PWIS) conformity	Part no.	Type
	Steel	VDMA24364-B2-L	**4054652**	**VAME-P7-T**

Mounting plate for in-line valve

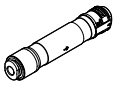
	Material mounting plate	LABS (PWIS) conformity	Part no.	Type
	Anodised aluminium	VDMA24364-B2-L	**4054656**	**VAME-P7-Y**

Accessories

H-rail acc. to EN 60715, 35 x 7.5 (WxH), for control cabinet installation

	LABS (PWIS) conformity	Part no.	Type
	VDMA24364-B2-L	**35430**	**NRH-35-2000**

Inline filter

	Pneumatic connection	Nominal size	Product weight	Part no.	Type
	For tubing O.D. 4 mm	4 mm	5.4 g	**8212637**	**OAFA-C-Q4-E-F**
				8212638	**OAFA-C-Q4-E-E**
	For tubing O.D. 6 mm	6 mm	11 g	**8212640**	**OAFA-C-Q6-E-F**
				8212641	**OAFA-C-Q6-E-E**