

Proportional-pressure regulator VEAB

FESTO



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

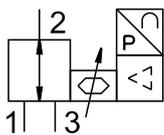
Easy to assemble:

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

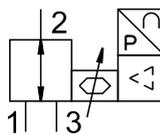
Directional control valve type

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

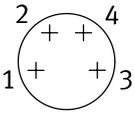


[B] Sub-base valve



Characteristics

Setpoint input for individual valves



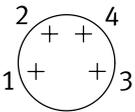
Pin 1 [brown]: +24 V DC supply voltage

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 coefficient	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 coefficient	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.

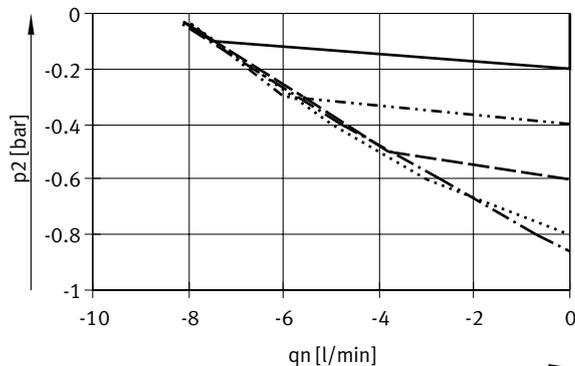
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If the devices are subject to usage restrictions in residential, commercial or light industrial environments, further measures for reducing the emitted interference may be necessary.

Materials, IO-Link®

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

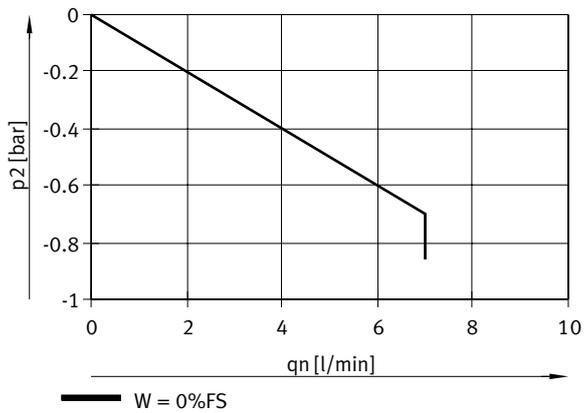
VEAB-...-D14-..., output pressure 2 (pressure regulation range) -1 ... -0.005 bar, flow rate qn from 3 → 2 depending on output pressure p2



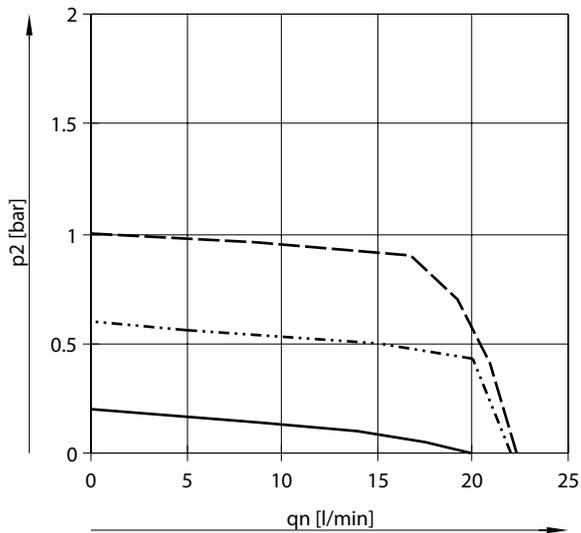
- W = 20%FS
- · - W = 40%FS
- · — W = 60%FS
- · · W = 80%FS
- · — W = 100%FS

Datasheet

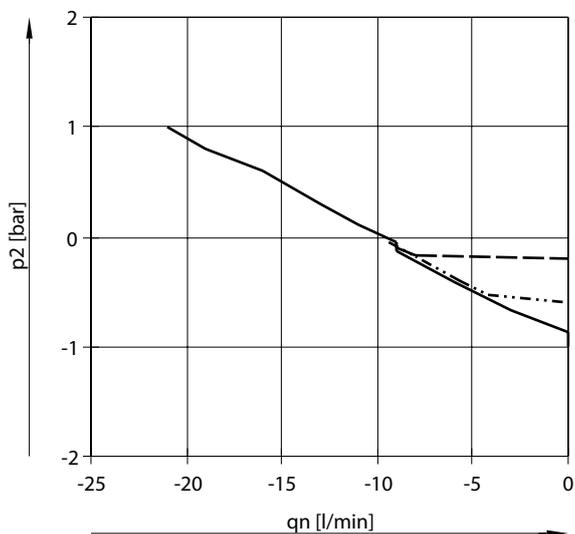
VEAB-...-D14-..., output pressure 2 (pressure regulation range) -1 ... -0.005 bar, flow rate q_n from 1 → 2 depending on output pressure p_2



VEAB-...-D13-..., output pressure 2 (pressure regulation range) -1 ... 1 bar, flow rate q_n from 1 → 2 depending on output pressure p_2

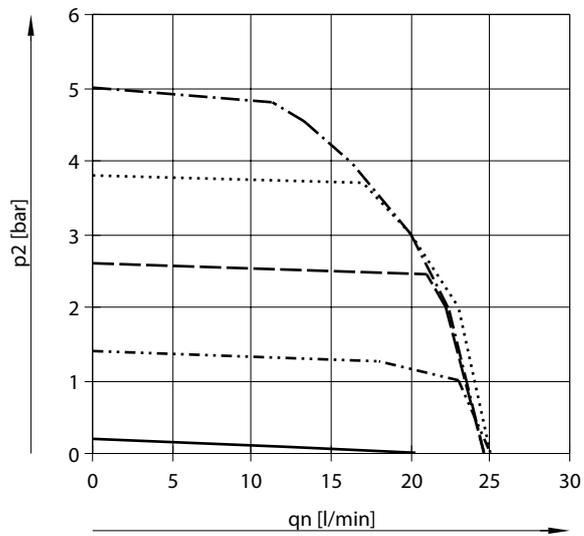


VEAB-...-D13-..., output pressure 2 (pressure regulation range) -1 ... 1 bar, flow rate q_n from 2 → 3 depending on output pressure p_2

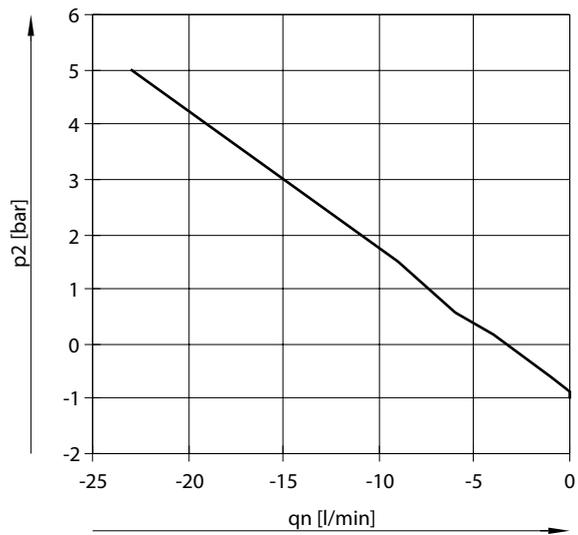


Datasheet

VEAB-...-D18-..., output pressure 2 (pressure regulation range) -1 ... 5 bar, flow rate q_n from 1 → 2 depending on output pressure p_2

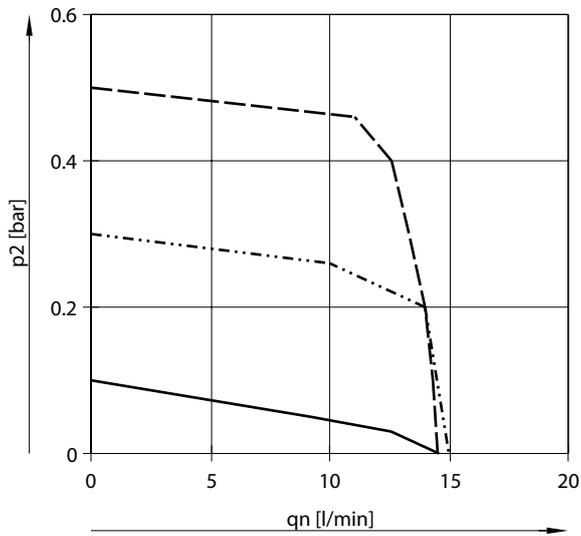


VEAB-...-D18-..., output pressure 2 (pressure regulation range) -1 ... 5 bar, flow rate q_n from 2 → 3 depending on output pressure p_2

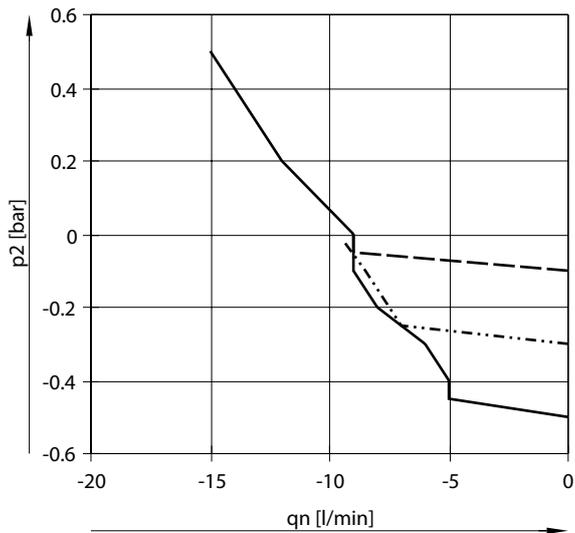


Datasheet

VEAB-...-D15-..., output pressure 2 (pressure regulation range) -0.5 ... 0.5 bar, flow rate q_n from 1 → 2 depending on output pressure p_2

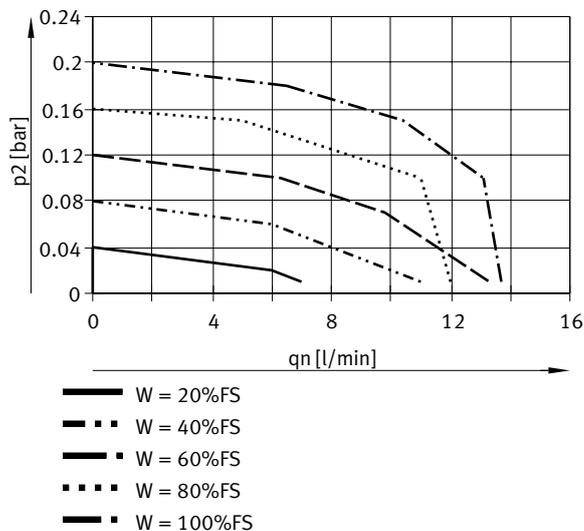


VEAB-...-D15-..., output pressure 2 (pressure regulation range) -0.5 ... 0.5 bar, flow rate q_n from 2 → 3 depending on output pressure p_2

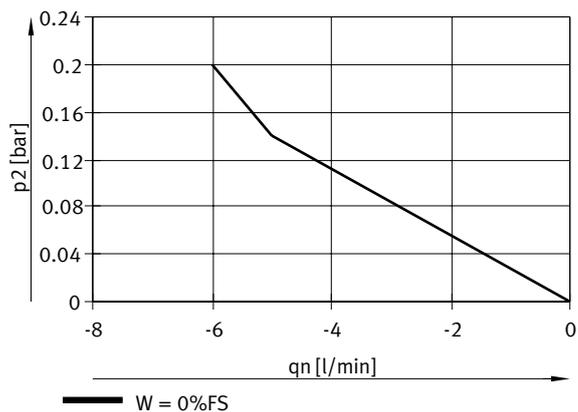


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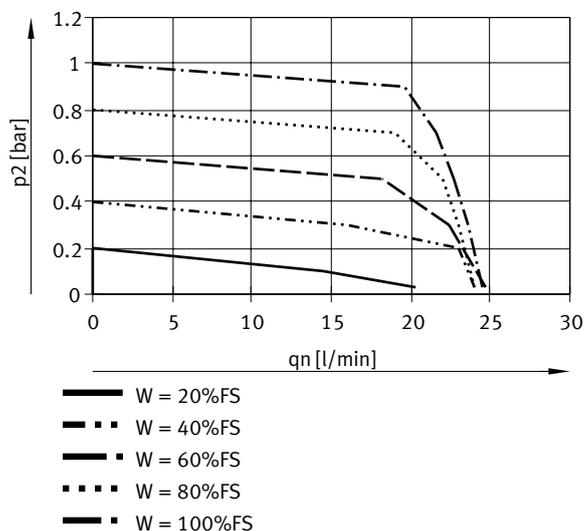
VEAB-...-D12-..., output pressure 2 (pressure regulation range) 0.001 ... 0.2 bar, flow rate q_n from 1 → 2 depending on output pressure p_2



VEAB-...-D12-..., output pressure 2 (pressure regulation range) 0.001 ... 0.2 bar, flow rate q_n from 2 → 3 depending on output pressure p_2

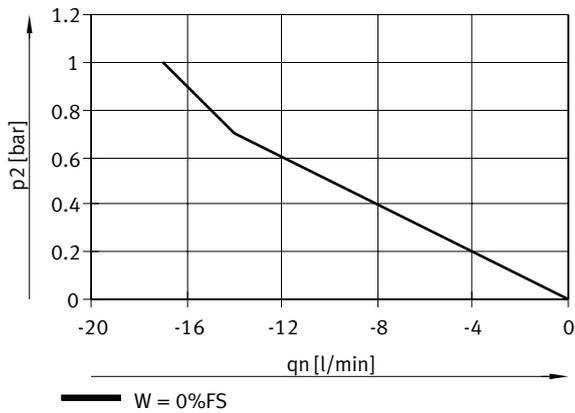


VEAB-...-D7-..., output pressure 2 (pressure regulation range) 0.005 ... 1 bar, flow rate q_n from 1 → 2 depending on output pressure p_2

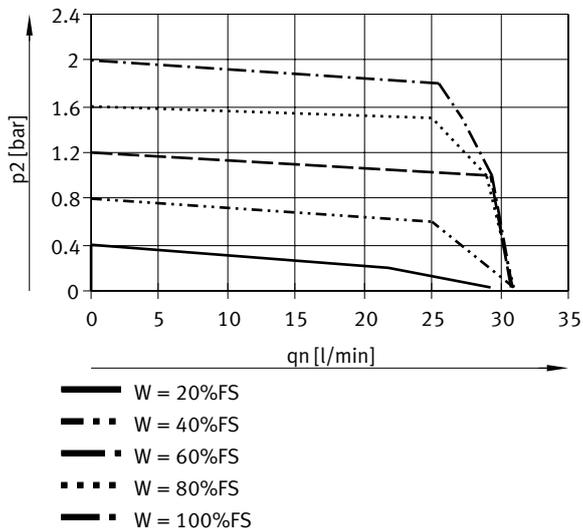


Datasheet

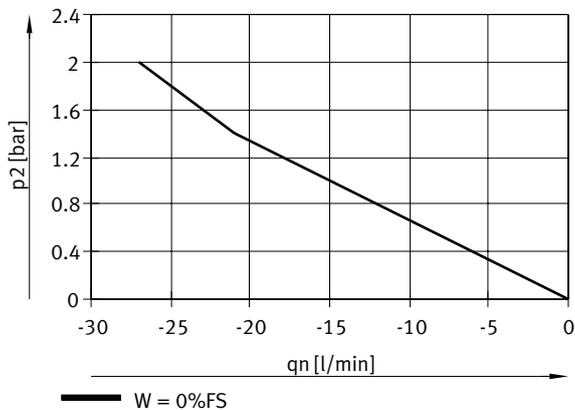
VEAB-...-D7-..., output pressure 2 (pressure regulation range) 0.005 ... 1 bar, flow rate q_n from 2 → 3 depending on output pressure p_2



VEAB-...-D2-..., output pressure 2 (pressure regulation range) 0.01 ... 2 bar, flow rate q_n from 1 → 2 depending on output pressure p_2

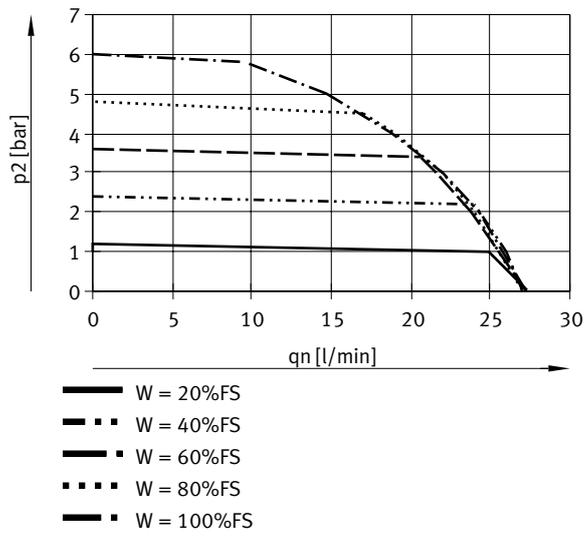


VEAB-...-D2-..., output pressure 2 (pressure regulation range) 0.01 ... 2 bar, flow rate q_n from 2 → 3 depending on output pressure p_2

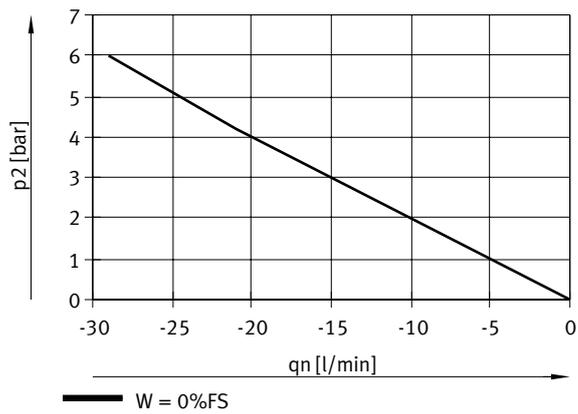


Datasheet

VEAB-...-D9-..., output pressure p_2 (pressure regulation range) 0.03 ... 6 bar, flow rate q_n from 1 → 2 depending on output pressure p_2



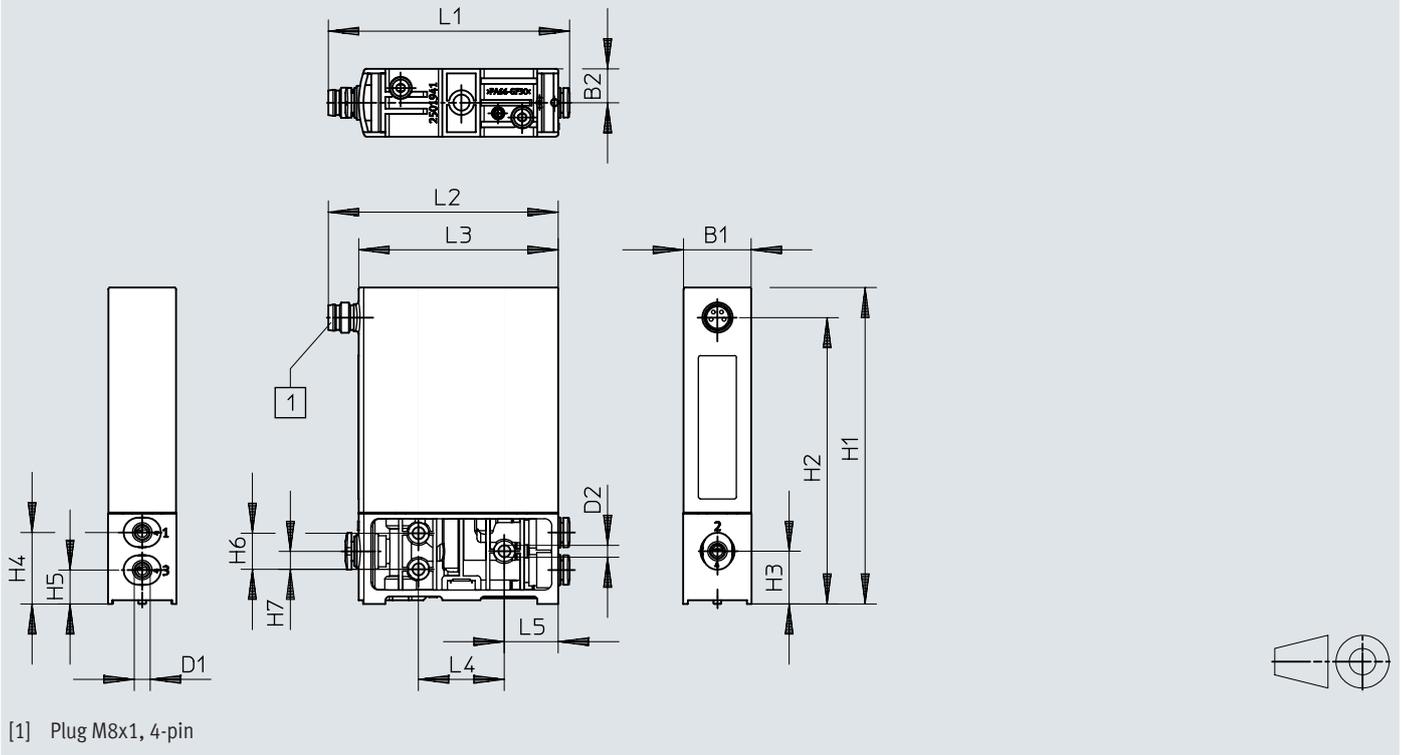
VEAB-...-D9-..., output pressure p_2 (pressure regulation range) 0.03 ... 6 bar, flow rate q_n from 2 → 3 depending on output pressure p_2



Dimensions

Dimensions – In-line valve

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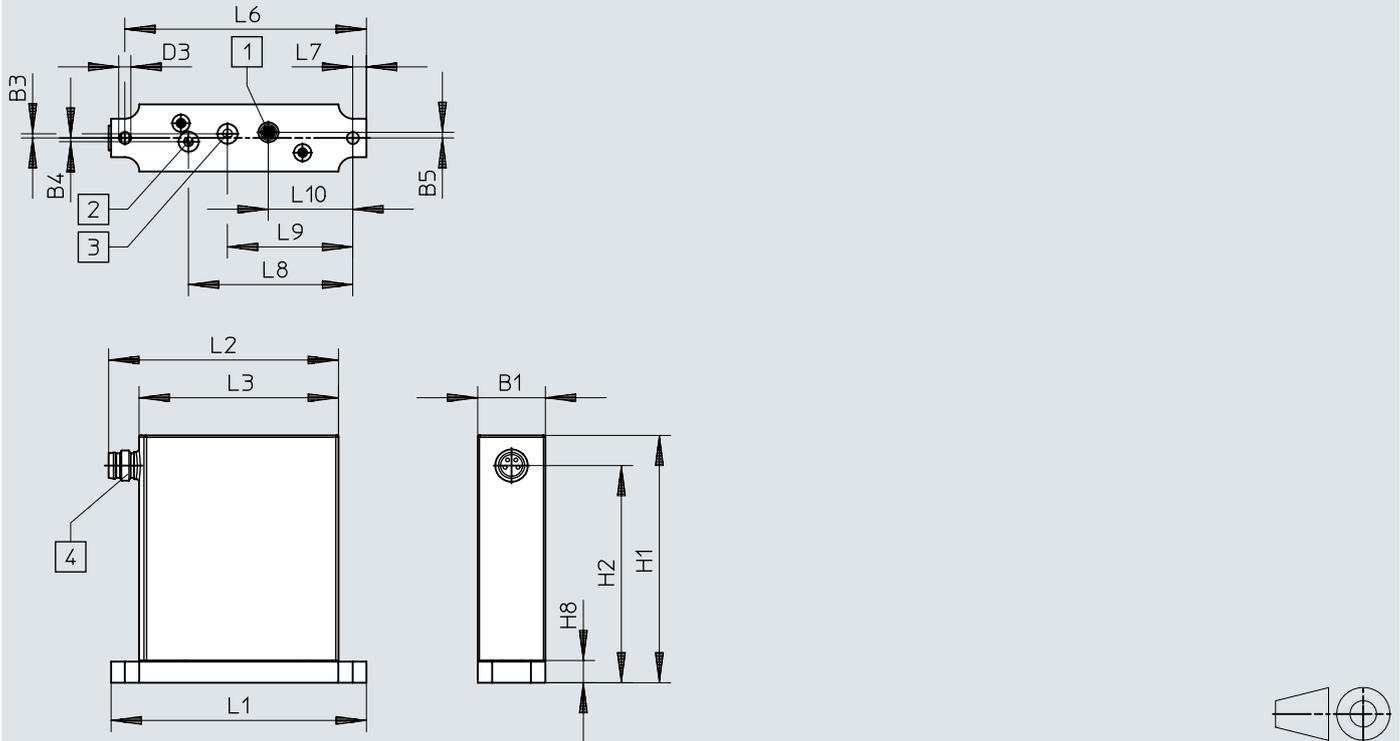


	B1	B2	D1 ∅	D2 ∅	H1	H2	H3	H4	H5	H6	H7
VEAB-L	18	9	4	3,2	85	76	14	19	9,5	9,6	4,8
	L1		L2		L3		L4		L5		
VEAB-L	64		60,5		52,5		22,6		14,2		

Dimensions

Dimensions – Sub-base valve

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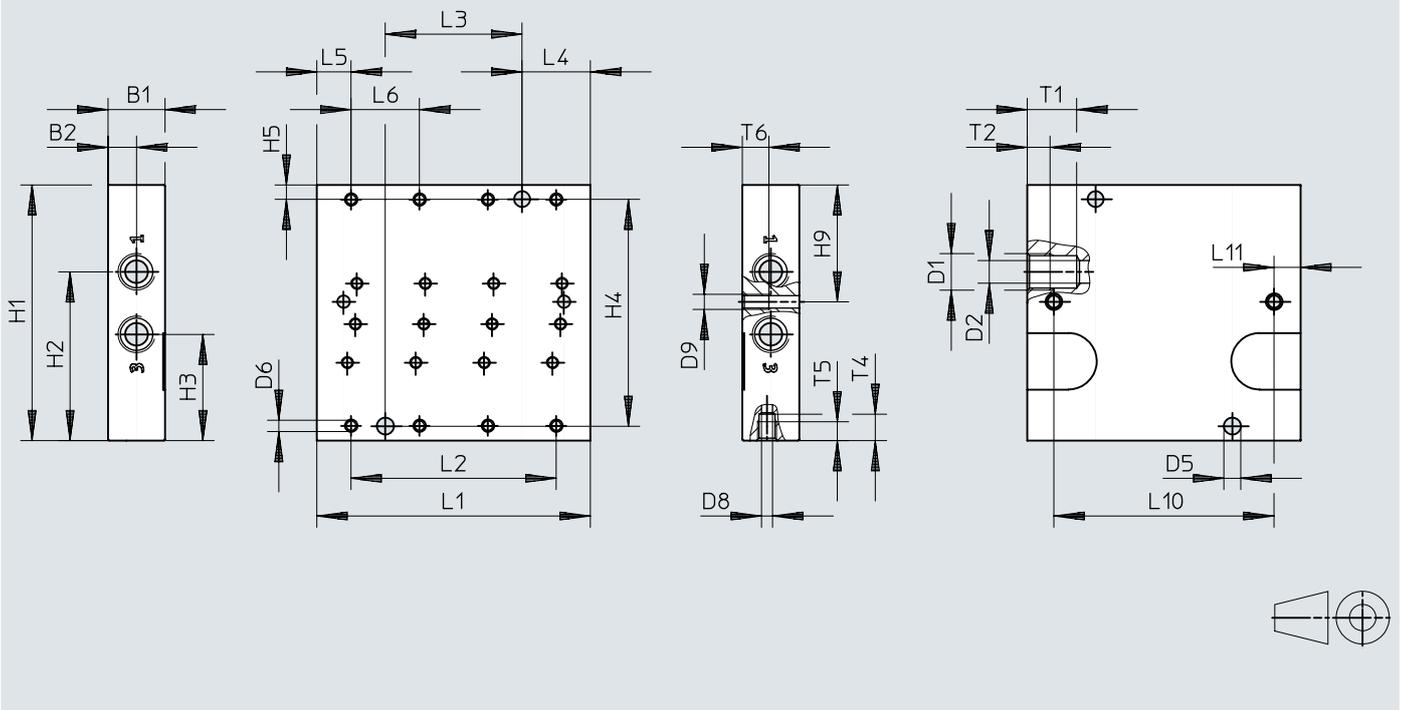
- [1] Port 1, compressed air
- [2] Port 2, working air
- [3] Port 3, exhaust air
- [4] Plug M8x1, 4-pin

	B1	B3	B4	B5	D3 ∅	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

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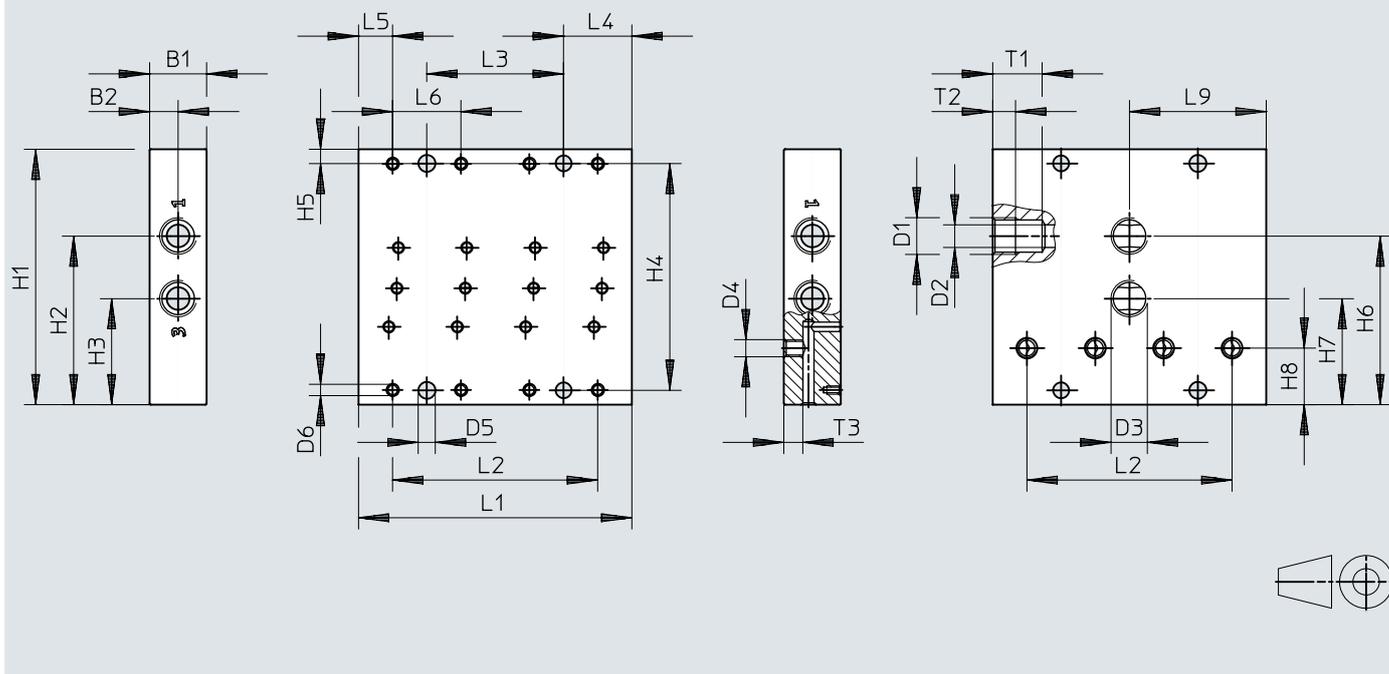
	B1	B2	B3	D1	D2 ∅	D5 ∅	D6	D7	D8 ∅	D9	H1	H2	H3	H4	H5	H9
VABM-P7-18M-G18-M5-4	15	7,5	8,5	G1/8	6	4,5	M3	M5	2,9	M4	67,8	44,8	28,2	60,2	3,8	31
VABM-P7-18M-G18-M5-6																
VABM-P7-18M-G18-M5-8																

	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

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	B1	B2	B3	D1	D2 ∅	D3	D4	D5 ∅	D6	D7 ∅	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
	0 - 10 V	3 ... 600.0000 kPa	0.03 ... 6 bar	0.435 ... 87 psi	8153672	VEAB-L-26-D9-Q4-V2-1R1
		-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	

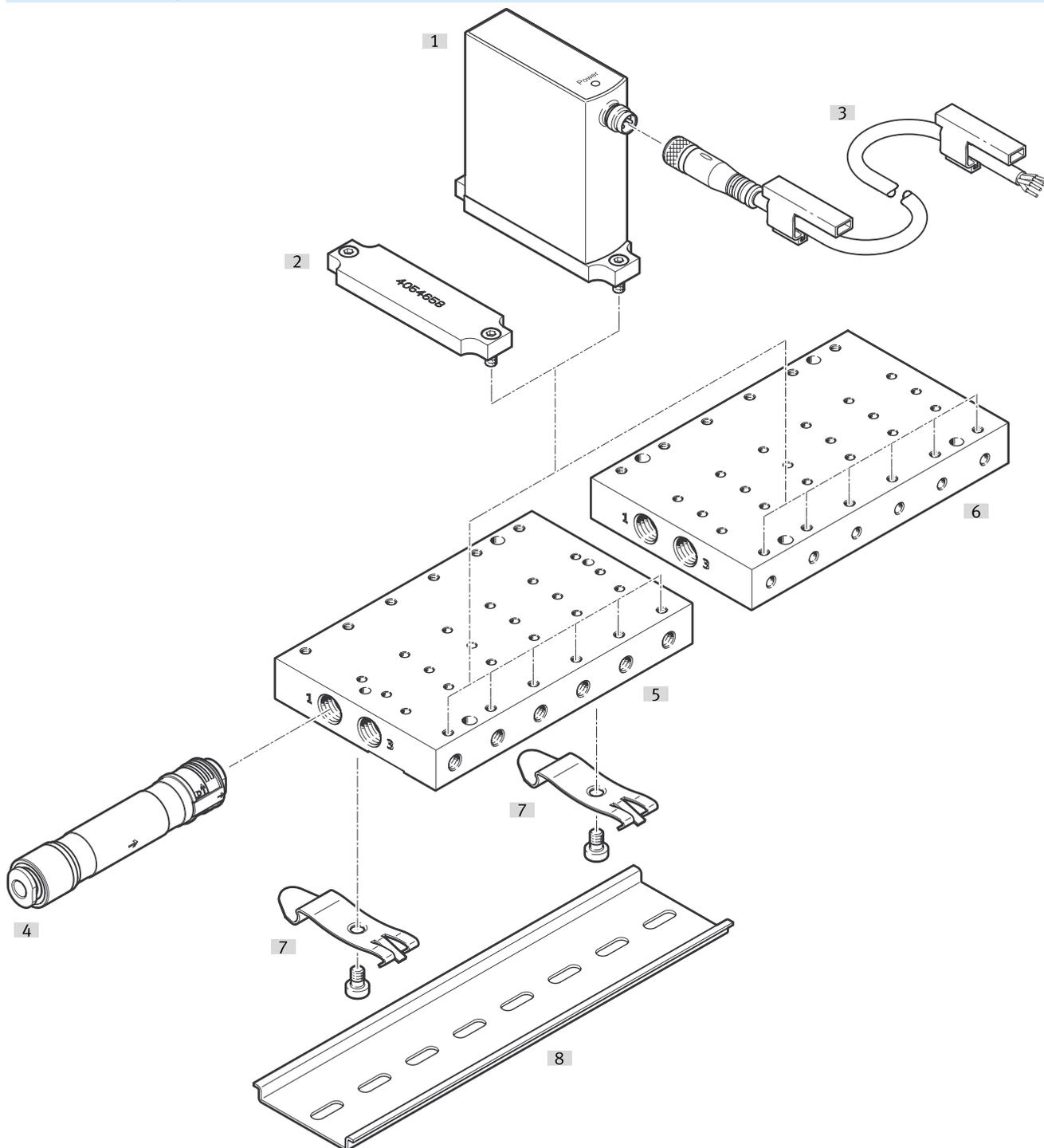
Ordering data

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

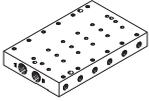
Peripherals

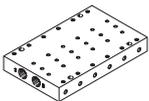
Valve manifold assembly VEAB

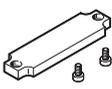


Accessories		→ Link
Type/order code	Description	
[1] Proportional-pressure regulator VEAB	–	veab
[2] Cover plate VABB	–	23
[3] Connecting cable NEBA	–	23
[4] Inline filter OAFA	For control cabinet installation	24
[5] Manifold rail VABM-P7-G18MB	Connection direction underneath, for wall mounting and control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

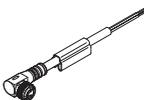
Accessories

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

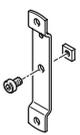
Manifold rail, connection direction underneath					
		Max. number of valve positions	Part no.	Type	
			4	8076387	VABM-P7-18MB-G18-M5-4
			6	8076389	VABM-P7-18MB-G18-M5-6
			8	8076391	VABM-P7-18MB-G18-M5-8

Cover plate, incl. screws (2 pieces) and O-ring (3 pieces pre-assembled)					
		Product weight	Part no.	Type	
	20 g		4054658	VABB-P7-M	

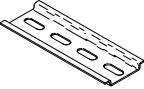
Connecting cable, straight socket, open end							
		Electrical connection 1, connector system	Electrical connection 2, connector system	Electrical connection 2, number of connections/cores	Cable length	Part no.	Type
	M8x1, A-coded, to EN 61076-2-104		Open end	4	2.5 m	8078227	NEBA-M8G4-U-2.5-N-LE4
					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	OAF4-C-Q4-E-F
				8212638	OAF4-C-Q4-E-E
	For tubing O.D. 6 mm	6 mm	11 g	8212640	OAF4-C-Q6-E-F
				8212641	OAF4-C-Q6-E-E