

VBH100-X / VBP100-X/Z

Manually and Pneumatically Actuated Butterfly Valves

ADVANTAGES

- High conductance
- Compact design, low installation height
- With and without, gauge and valve connections



SELECTION DATA MANUALLY ACTUATED

	Housing with lateral connection flanges	Housing without lateral connection flanges
Connection flange	DN 100 ISO-F	
Lateral vacuum connections	DN 25 ISO-KF 2 x DN 10 ISO-KF	

ORDERING INFORMATION MANUALLY ACTUATED

Type	VBH100-X
Part No.	250-570

SPECIFICATIONS

Service life	cycles	100 000
Tightness	mbar/s	1×10^{-9}
Conductance for air (molecular flow)	l/s	1000
Pressure min. / max.	mbar/bar	10^{-8} / 4
Differential pressure in either direction	bar	4
Bakeout temperature: housing	°C	150
Housing, valve plate, valve shaft	AISI/DIN	stainless steel 304/1.4301
Seals		FPM
Weight	kg	10.6

SELECTION DATA PNEUMATICALLY ACTUATED

	Housing with lateral connection flanges	Housing without lateral connection flanges
Connection flange	DN 100 ISO-F	DN 100 ISO-F
Lateral vacuum connections	DN 25 ISO-KF 2 x DN 10 ISO-KF	

ORDERING INFORMATION PNEUMATICALLY ACTUATED

Type		VBP100-X	VBP100-Z
Valve without position indicator, without pilot valve		250-610	250-615
Position indicator	Part No.	215-136	215-136
Pilot valve			
230 V / 50 Hz	Part No.	215-131	215-131
115 V / 50 Hz	Part No.	215-132	215-132
24 V / 50 Hz	Part No.	215-133	215-133
24 V DC	Part No.	215-134	215-134

SPECIFICATIONS

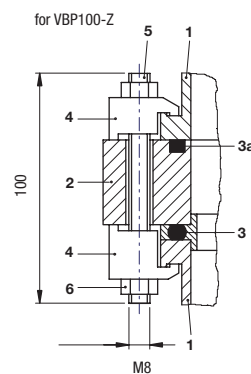
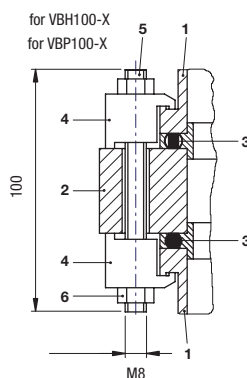
Service life	cycles	100 000	100 000
Tightness	mbar/ls	1×10^{-9}	1×10^{-9}
Conductance for air (molecular flow)	l/s	1000	1400
Pressure min. / max.	mbar/bar	10^{-8} / 4	10^{-8} / 4
Differential pressure in either direction	bar	4	4
Ambient temperature	°C		
Housing		150	150
Actuator	°C	80	80
Closing / opening time	s	0.5/0.5	0.5/0.5
Pickup / holding power	VA	10 / 6	10 / 6
Compressed air, overpressure	bar	4-8	4-8
Air cylinder volume	cm ³	130	130
Housing, valve plate, valve shaft	AISI/DIN	stainless steel 304/1.4301	stainless steel 304/1.4301
Seals		FPM	FPM
Weight	kg	6.5	4.9

ACCESSORIES

Set of connection elements	Part No.	215-214	215-215
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Connection Elements

- 1 ISO K-Flanges
- 2 Valve Housing
- 3 ISO seal (not included)
- 3a O-ring (included)
- 4 Claw grip
- 5 Threaded pin
- 6 Nut

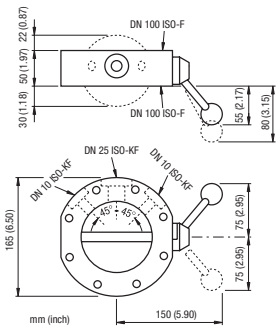


SPARE PARTS

Seal Set	Part No.	215-145	215-246
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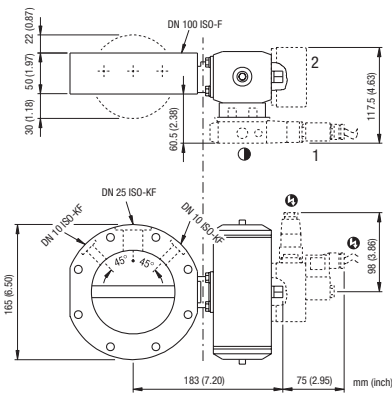
DIMENSIONS

Manually actuated

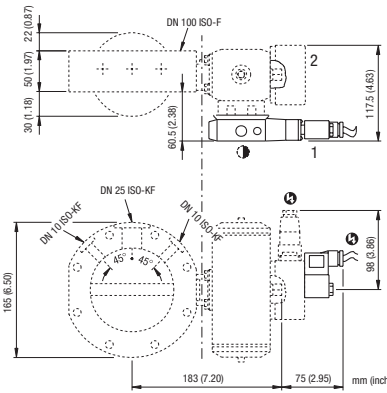


VBH100-X

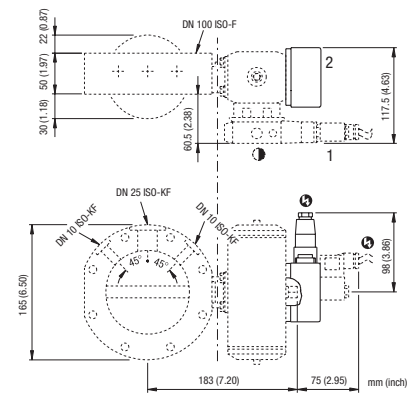
Pneumatically actuated



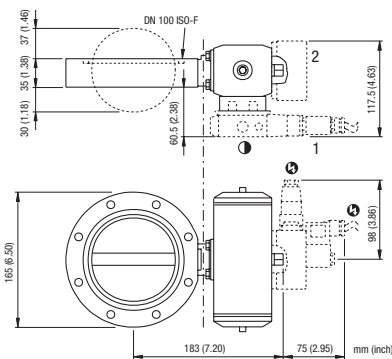
VBP100-X Valve without pilot valve w/o position indicator



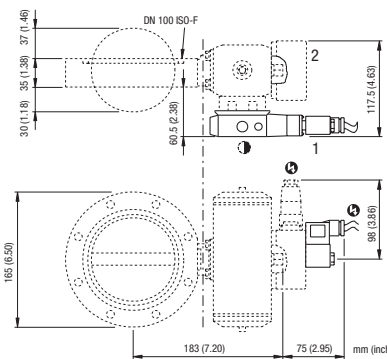
VBP100-X Valve with pilot valve



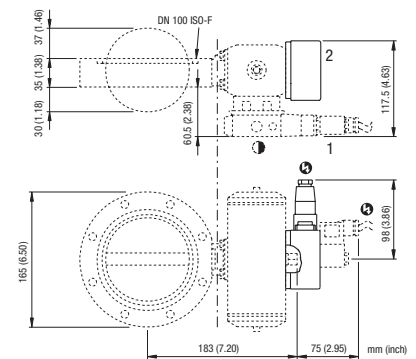
VBP100-X Valve with position indicator



VBP100-Z Valve without pilot valve w/o position indicator



VBP100-Z Valve with pilot valve



VBP100-Z Valve with position indicator



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