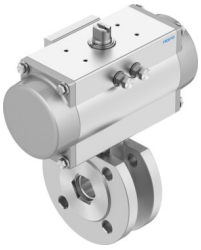
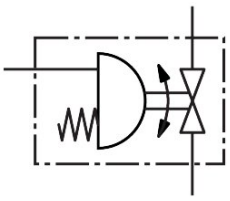
Ball valve unit
VZBC-A-50-FF-40-22-F0507-V4V4T-PB160

Part number: 8191891





Data sheet

Feature	Value
Design	2-way ball valve Quarter turn actuator
Type of actuation	Pneumatic
Sealing principle	Soft
Mounting position	Any
Type of mounting	Inline installation
Connection Process valve	Flange to EN 1092-1
Switching position indicator	Slot direction = flow direction
Flange hole pattern	F0507
Nominal size DN	50
Valve function	2/2
Flow direction	Reversible
Operating pressure	0.55 MPa...0.8 MPa 5.5 bar...8 bar 79.75 psi...116 psi
Nominal pressure PN	40
Breakaway torque at differential pressure, nominal pressure, process valve PN	54 Nm
Based on standard	EN 1092-1 ISO 5211
Medium	Compressed air to ISO 8573-1:2010 [-:-:-] Inert gases Water – no steam Neutral fluids Other media on request
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Media temperature	-10 °C...200 °C
Flow rate Kv	275 m³/h
Max. surface temperature assembly	+105°C...+280°C T4...T2
explosion group assembly	IIC, IIIC
Note on materials	RoHS compliant

Feature	Value
LABS (PWIS) conformity	VDMA24364 zone III
Material housing	High-alloy stainless steel
Material number housing	1,4408
Material seat seal	PTFE
Material seals	PTFE-reinforced
Material ball	High-alloy stainless steel
Material number ball	1,4408
Material shaft	High-alloy stainless steel
Material number shaft	1,4401
Product weight	14700 g
Explosion protection	Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)
Explosion ambient temperature	-10°C <= Ta <= +80°C
Corrosion resistance class CRC	1 - Low corrosion stress