Ball valve
VZBF-2-P2-40-D-B1-2-F0507-M-V4V4

Part number: 8247182





Data sheet

Feature	Value
Design	2-way ball valve
Type of actuation	Mechanical
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
Inside diameter	50 mm
Nominal size DN	50
Valve function	2/2
Manual override	Yes
Flow direction	Reversible
Nominal pressure PN	40
Actuating torque with pressure difference relative to nominal valve pressure	25 Nm
Breakaway torque at differential pressure, nominal pressure, process valve PN	44 Nm
Based on standard	EN 1092-1 EN 558 ISO 5211
Medium	Compressed air to ISO 8573-1:2010 [-:-:-] Inert gases Water – no steam Neutral fluids
Media temperature	-30 °C...180 °C
Flow rate Kv	365 m³/h

Feature	Value
Note on materials	RoHS compliant
LABS (PWIS) conformity	VDMA24364 zone III
Material housing	Cast stainless steel
Material number housing	1,4408
Material seat seal	PTFE, modified
Material seals	Fluoro rubber PTFE PTFE-reinforced
Material ball	Cast stainless steel
Material number ball	1,4408
Material shaft	High-alloy stainless steel
Material number shaft	1,4401
Product weight	9500 g
Approval	See certificates
CE mark (see declaration of conformity)	To EU Explosion Protection Directive (ATEX)
Explosion protection	Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)
ATEX category gas	II 2G
ATEX category dust	II 2D
Explosion ignition protection type for gas	Ex h IIC T6...T3 Gb
Explosion ignition protection type for dust	Ex h IIIC T125°C Db
Explosion ambient temperature	-20°C <= Ta <= +60°C
Corrosion resistance class CRC	4 - Very high corrosion stress