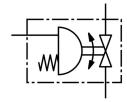
Ball valve actuator unit VZBC-65-FF-16-22-F07-V4V4T-PS180-R-90-4-C

Part number: 1915408





Data sheet

CQuarier turn actuatorActuation typePneumaticMounting positionAnyWountingLine installationFitting connectionRing housing with threaded flangeSwitching position indicationSlot direction = flow directionSominal pressure6 bar 8.4 barNominal pressure of fitting PN16Symbol00992011WediumCompressed air as per ISO 8573-1:2010 [-::-] Inert gas Water - no water vapor Neutral liquidsOperating mediumCompressed air as per ISO 8573-1:2010 [-::-] Inert gas Water - no water vapor Neutral liquidsOperation on operating and pilot mediaOperation with oil lubrication possible (required for further use)Femperature of medium-10 °C 200 °CAmbient temperature-10 °C 80 °CFlow rate Kv507 m3/hWax. surface temperature of assemblyIIC, IIICVote on materialsRoHS-compliantABS (PWIS) conformityVDMA24364 zone III40asing materialHigh-alloy stainless steelMaterial number of housing1.4408Ball materialHigh-alloy stainless steelMaterial number for ball1.4401	Feature	Value
Mounting positionAnyType of mountingLine installationTitting connectionRing housing with threaded flangeSwitching position indicationSlot direction = flow directionNominal width DN65Operating pressure6 bar 8.4 barNominal pressure of fitting PN16Symbol00992011WediumCompressed air as per ISO 8573-1:2010 [-:] Inert gas Water - no water vapor Neutral liquidsOperating mediumCompressed air as per ISO 8573-1:2010 [-:] Inert gas Water - no water vapor Neutral liquidsOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]nformation on operating and pilot mediaOperation with oil lubrication possible (required for further use)Femperature of medium-10 °C 80 °CAmbient temperature-10 °C 80 °CFlow rate KvS07 m3/hVax. surface temperature of assemblyIIC, IIICNote on materialsRoHS-compliantAberial Muber of housing1.4408Seals materialPIFE PIFE-reinforcedPaterial number of roball1.4408Shaft materialHigh-alloy stainless steelWaterial number for shaft1.4401	Structural design	
Type of mounting Line installation Filting connection Ring housing with threaded flange Switching position indication Slot direction = flow direction Sominal pressure 6 bar 8.4 bar Operating pressure of fitting PN 16 Symbol 00992011 Wedium Compressed air as per ISO 8573-1:2010 [-:] Inert gas Water – no water vapor Neutral liquids Compressed air as per ISO 8573-1:2010 [-:] Operating medium Compressed air as per ISO 8573-1:2010 [-:] Inert gas Water – no water vapor Neutral liquids Operation on operating and pilot media Operation with oil lubrication possible (required for further use) Emperature of medium -10 °C 200 °C Ambient temperature -10 °C 200 °C "Tow rate Kv 507 m³/h Wax. surface temperature of assembly TX "Stypoloin group of assembly IIC, IIIC Volusing material RoHS-compliant ABS (PWIS) conformity VDMA24364 zone III Material number of housing 1.4408 Seals material PIFE PIFE - PIF	Actuation type	Pneumatic
Titing connectionRing housing with threaded flangeSwitching position indicationSlot direction = flow directionNominal width DN65Operating pressure6 bar 8.4 barVominal pressure of fitting PN16Symbol00992011WediumCompressed air as per ISO 8573-1:2010 [-:-:-] Inert gas Water - no water vapor Neutral liquidsOperating mediumCompressed air as per ISO 8573-1:2010 [-:-:-] Inert gas Water - no water vapor Neutral liquidsOperation on operating and pilot mediaOperation with oil lubrication possible (required for further use)Iemperature of medium-10 °C 200 °CAmbient temperature-10 °C 80 °CFlow rate Kv507 m3/hWate, surface temperature of assemblyTXExplosion group of assemblyIIC, IIICVoket on materialsRoHS-compliant-ASS (PWIS) conformityVDMA24364 zone III-Housing materialHigh-alloy stainless steelMaterial number of housing1.4408Seals materialHigh-alloy stainless steelMaterial number for ball1.4401Shaft materialHigh-alloy stainless steel	Mounting position	Any
Switching position indication Slot direction = flow direction Nominal width DN 65 Operating pressure 6 bar 8.4 bar Nominal pressure of fitting PN 16 Symbol 00992011 Wedium Compressed air as per ISO 8573-1:2010 [-:-:-] Inert gas Water - no water vapor Neutral liquids Compressed air as per ISO 8573-1:2010 [-:-:-] Inert gas Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] nformation on operating and pilot media Operation with oil lubrication possible (required for further use) remperature of medium -10 °C 200 °C Ambient temperature -10 °C 200 °C Ambient temperature of assembly TX Explosion group of assembly IIC, IIIC Note on materials RoHS-compliant AAS (PWIS) conformity VDMA24364 zone III Housing material PTFE PTFE-reinforced PTFE Seas material PTFE PTFE PTFE Seas material High-alloy stainless steel Material number of ball 1.4408 Shaft material High-alloy stainless steel Material number for ball	Type of mounting	Line installation
Nominal width DN65Operating pressure6 bar 8.4 barNominal pressure of fitting PN16Symbol00992011WediumCompressed air as per ISO 8573-1:2010 [-:] Inert gas Water – no water vapor Neutral liquidsDeprating mediumCompressed air as per ISO 8573-1:2010 [-:] Inert gas are ISO 8573-1:2010 [7:4:4]Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Iemperature of medium-10 °C 200 °CAmbient temperature-10 °C 80 °CTow rate Kv507 m³/hWax. surface temperature of assemblyTXExplosion group of assemblyIIC, IIICNote on materialsRoHS-compliantABS (PWIS) conformityVDMA24364 zone IIIHousing materialHigh-alloy stainless steelMaterial number of housing1.4408Seals materialPIFE PIFE-reinforcedBall materialHigh-alloy stainless steelMaterial number for ball1.4408Katerial number for shaft1.4401	Fitting connection	Ring housing with threaded flange
Operating pressure6 bar 8.4 barNominal pressure of fitting PN16Symbol00992011WediumCompressed air as per ISO 8573-1:2010 [-:-:-] Inert gas Water – no water vapor Neutral liquidsOperating mediumCompressed air as per ISO 8573-1:2010 [-:-:-] Inert gas Water – no water vapor Neutral liquidsOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]nformation on operating and pilot mediaOperation with oil lubrication possible (required for further use)remperature of medium-10 °C 200 °CAmbient temperature-10 °C 80 °C-Tow rate Kv507 m³/hWax. surface temperature of assemblyIIC, IIICNote on materialsRoHS-compliant-ABS (PWIS) conformityVDMA24364 zone III-tousing materialHigh-alloy stainless steelMaterial number of housing1.4408Seals materialPIFE PIFE-reinforcedMaterial number for ball1.4408Shaft materialHigh-alloy stainless steelMaterial number for shaft1.4401	Switching position indication	Slot direction = flow direction
Notion16Symbol00992011WediumCompressed air as per ISO 8573-1:2010 [-:-:-] Inert gas Water – no water vapor Neutral liquidsOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]nformation on operating and pilot mediaOperation with oil lubrication possible (required for further use)remperature of medium-10 °C 200 °CAmbient temperature-10 °C 80 °C-Tow rate Kv507 m³/hWax. surface temperature of assemblyTXExplosion group of assemblyIIC, IIICNote on materialsRoHS-compliant-ABS (PWIS) conformityVDMA24364 zone III-tousing materialHigh-alloy stainless steelMaterial number of housing1.4408Seals materialPTFE PTFE-reinforcedMaterial number for ball1.4401Shaft materialHigh-alloy stainless steel	Nominal width DN	65
Symbol00992011WediumCompressed air as per ISO 8573-1:2010 [-:-:] Inert gas Water – no water vapor Neutral liquidsOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]nformation on operating and pilot mediaOperation with oil lubrication possible (required for further use)femperature of medium-10 °C 200 °CAmbient temperature-10 °C 80 °CFlow rate Kv507 m³/hMax. surface temperature of assemblyTXExplosion group of assemblyIIC, IIICNote on materialsRoHS-compliantABS (PWIS) conformityVDMA24364 zone IIIHousing material1.4408Seals materialPTE PTE-reinforcedBall materialHigh-alloy stainless steelMaterial number for ball1.4408Shaft materialHigh-alloy stainless steelMaterial number for shaft1.4401	Operating pressure	6 bar 8.4 bar
WediumCompressed air as per ISO 8573-1:2010 [-::-] Inert gas Water – no water vapor Neutral liquidsDeperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]nformation on operating and pilot mediaOperation with oil lubrication possible (required for further use)Iemperature of medium-10 °C 200 °CAmbient temperature-10 °C 80 °CTow rate Kv507 m³/hWax. surface temperature of assemblyTXExplosion group of assemblyIIC, IIICNote on materialsRoHS-compliantABS (PWIS) conformityVDMA24364 zone IIIHousing materialHigh-alloy stainless steelSeals materialPTFE PTFE-reinforcedBall materialHigh-alloy stainless steelMaterial number for ball1.4408Shaft materialHigh-alloy stainless steelMaterial number for shaft1.4401	Nominal pressure of fitting PN	16
Inert gas Water – no water vapor Neutral liquidsOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]nformation on operating and pilot mediaOperation with oil lubrication possible (required for further use)femperature of medium-10 °C 200 °CAmbient temperature-10 °C 80 °CTow rate Kv507 m³/hWax. surface temperature of assemblyTXExplosion group of assemblyIIC, IIICNote on materialsRoHS-compliant-ABS (PWIS) conformityVDMA24364 zone IIIHousing materialHigh-alloy stainless steelWaterial number of housing1.4408Seals materialPTFE PTFE-reinforcedSall materialHigh-alloy stainless steelWaterial number for ball1.4408Shaft materialHigh-alloy stainless steelMaterial number for shaft1.4401	Symbol	00992011
Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Temperature of medium-10 °C 200 °CAmbient temperature-10 °C 80 °CFlow rate Kv507 m³/hMax. surface temperature of assemblyTXExplosion group of assemblyIIC, IIICNote on materialsRoHS-compliantABS (PWIS) conformityVDMA24364 zone IIIHousing materialHigh-alloy stainless steelMaterial number of housing1.4408Seals materialPTFE PTFE-reinforcedMaterial number for ball1.4408Shaft materialHigh-alloy stainless steelMaterial number for shaft1.4401	Medium	Inert gas Water – no water vapor
Temperature of medium-10 °C 200 °CAmbient temperature-10 °C 80 °CFlow rate Kv507 m³/hMax. surface temperature of assemblyTXExplosion group of assemblyIIC, IIICNote on materialsRoHS-compliantABS (PWIS) conformityVDMA24364 zone IIIHousing materialHigh-alloy stainless steelMaterial number of housing1.4408Seals materialPTFE PTFE-reinforcedBall materialHigh-alloy stainless steelMaterial number for ball1.4408Shaft materialHigh-alloy stainless steelMaterial number for shaft1.4401	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature-10 °C 80 °CFlow rate Kv507 m³/hMax. surface temperature of assemblyTXExplosion group of assemblyIIC, IIICNote on materialsRoHS-compliantLABS (PWIS) conformityVDMA24364 zone IIIHousing materialHigh-alloy stainless steelMaterial number of housing1.4408Seals materialHigh-alloy stainless steelMaterial number for ball1.4408Material number for ball1.4408Shaft materialHigh-alloy stainless steelMaterial number for shaft1.4401	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Flow rate Kv507 m³/hMax. surface temperature of assemblyTXExplosion group of assemblyIIC, IIICNote on materialsRoHS-compliantLABS (PWIS) conformityVDMA24364 zone IIIHousing materialHigh-alloy stainless steelMaterial number of housing1.4408Seals materialPTFE PTFE-reinforcedBall materialHigh-alloy stainless steelMaterial number for ball1.4408Shaft materialHigh-alloy stainless steelMaterial number for shaft1.4401	Temperature of medium	-10 °C 200 °C
Max. surface temperature of assemblyTXExplosion group of assemblyIIC, IIICNote on materialsRoHS-compliantLABS (PWIS) conformityVDMA24364 zone IIIHousing materialHigh-alloy stainless steelMaterial number of housing1.4408Seals materialPTFE PTFE-reinforcedBall materialHigh-alloy stainless steelMaterial number for ball1.4408Shaft materialHigh-alloy stainless steelMaterial number for ball1.4408Shaft materialHigh-alloy stainless steelMaterial number for shaftHigh-alloy stainless steel	Ambient temperature	-10 °C 80 °C
Explosion group of assemblyIIC, IIICNote on materialsRoHS-compliantLABS (PWIS) conformityVDMA24364 zone IIIHousing materialHigh-alloy stainless steelMaterial number of housing1.4408Seals materialPTFE PTFE-reinforcedBall materialHigh-alloy stainless steelMaterial number for ball1.4408Material number for shaftHigh-alloy stainless steelMaterial number for shaft1.4401	Flow rate Kv	507 m³/h
Note on materialsRoHS-compliantLABS (PWIS) conformityVDMA24364 zone IIIHousing materialHigh-alloy stainless steelMaterial number of housing1.4408Seals materialPTFE PTFE-reinforcedBall materialHigh-alloy stainless steelMaterial number for ball1.4408Shaft materialHigh-alloy stainless steelMaterial number for shaft1.4401	Max. surface temperature of assembly	TX
ABS (PWIS) conformityVDMA24364 zone IIIHousing materialHigh-alloy stainless steelMaterial number of housing1.4408Seals materialPTFE PTFE-reinforcedBall materialHigh-alloy stainless steelMaterial number for ball1.4408Shaft materialHigh-alloy stainless steelMaterial number for shaft1.4401	Explosion group of assembly	IIC, IIIC
Hugh-alloy stainless steelHigh-alloy stainless steelMaterial number of housing1.4408Seals materialPTFE PTFE-reinforcedBall materialMaterial number for ball1.4408Shaft materialMaterial number for shaft1.4401	Note on materials	RoHS-compliant
Waterial number of housing 1.4408 Seals material PTFE PTFE-reinforced Ball material High-alloy stainless steel Material number for ball 1.4408 Shaft material High-alloy stainless steel Material number for shaft 1.4408	LABS (PWIS) conformity	VDMA24364 zone III
Seals material PTFE Seals material PTFE-reinforced Ball material High-alloy stainless steel Material number for ball 1.4408 Shaft material High-alloy stainless steel Material number for shaft 1.4401	Housing material	High-alloy stainless steel
PTFE-reinforced Ball material High-alloy stainless steel Material number for ball 1.4408 Shaft material High-alloy stainless steel Material number for shaft 1.4401	Material number of housing	1.4408
Material number for ball 1.4408 Shaft material High-alloy stainless steel Material number for shaft 1.4401	Seals material	
Shaft material High-alloy stainless steel Waterial number for shaft 1.4401	Ball material	High-alloy stainless steel
Vaterial number for shaft 1.4401	Material number for ball	1.4408
	Shaft material	High-alloy stainless steel
Product weight 18900 g	Material number for shaft	1.4401
	Product weight	18900 g

General operating condition

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Feature	Value
Explosion prevention and protection	Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)
Explosive ambient temperature	-10°C <= Ta <= +60°C
Corrosion resistance class (CRC)	3 - High corrosion stress