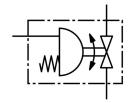
Ball valve actuator unit VZBA-4"-GG-63-T-22-F10-V4V4T-PS240-R-90-4-C

Part number: 1758079





General operating condition

Data sheet

Structural design 2-way ball valve Quarter turn actuator Actuation type Pneumatic Mounting position Any Type of mounting Line installation Fitting connection Rp4 Switching position indication Slot direction = flow direction Nominal width DN 100 Operating pressure 6 bar 8.4 bar Nominal pressure of fitting PN 63 Symbol 00992011 Medium Compressed air as per ISO 8573-1:2010 [-:-:] Inert gas Water – no water vapor Neutral liquids Operating medium Compressed air as per ISO 8573-1:2010 [-:-:] Inert gas Water – no water vapor Neutral liquids Operating medium Compressed air as per ISO 8573-1:2010 [-:-:] Inert gas Water – no water vapor Neutral liquids Operating medium Compressed air as per ISO 8573-1:2010 [-:-:] Inert gas Water – no water vapor Neutral liquids Operating medium Compressed air as per ISO 8573-1:2010 [-:-:-] Inert gas Water – no water vapor Neutral liquids Operating medium Compressed air as per ISO 8573-1:2010 [-:-:-] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Temperature of medium -10 °C 200 °C	Feature	Value
Mounting positionAnyType of mountingLine installationFitting connectionRp4Switching position indicationSlot direction = flow directionNominal width DN100Operating pressure6 bar 8.4 barNominal pressure of fitting PN63Symbol00992011MediumCompressed 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 [-:] Inert gas Water - no water vapor Neutral liquidsOperating mediumCompressed air as per ISO 8573-1:2010 [-:] Inert gas Water - no water vapor Neutral liquidsOperating medium10° C 200 °CAmbient temperature of medium-10° C 200 °CAmbient temperature of assemblyIXExplosion group of assemblyIXExplosion group of assemblyIXLASS (PWIS) conformityVDMA24364 zone IIIHousing materialHigh-alloy stainless steelMaterial number of housing1.4408Seals materialPTEF eniforcedBall materialHigh-alloy stainless steelMaterial number for ball1.4408	Structural design	
Type of mountingLine installationFitting connectionRp4Switching position indicationSlot direction = flow directionNominal width DN100Operating pressure6 bar 8.4 barNominal pressure of fitting PN63Symbol00992011MediumCompressed 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]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 Kv1414 m³/hMax. surface temperature of assemblyTXExplosion group of assemblyIIC, IIICNote on materialsRoHS-compliantLASS (PWIS) conformityVDMA24364 zone IIIHousing materialHigh-alloy stainless steelMaterial number of housing1.4408Seals materialPTFE-reinforcedBall materialHigh-alloy stainless steelMaterial number for ball1.4408	Actuation type	Pneumatic
Fitting connectionRp4Switching position indicationSlot direction = flow directionNominal width DN100Operating pressure6 bar 8.4 barNominal pressure of fitting PN63Symbol00992011MediumCompressed 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]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 Kv1414 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 reinforcedBall materialHigh-alloy stainless steelMaterial number for ball1.4408	Mounting position	Any
Switching position indicationSlot direction = flow directionNominal width DN100Operating pressure6 bar 8.4 barNominal pressure of fitting PN63Symbol00992011MediumCompressed 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 [-::-] Inert gas Water – no water vapor Neutral liquidsOperating 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)Temperature of medium-10 °C 200 °CAmbient temperature-10 °C 80 °CFlow rate Kv1414 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 ball1.4408	Type of mounting	Line installation
Nominal width DN100Operating pressure6 bar 8.4 barNominal pressure of fitting PN63Symbol00992011MediumCompressed 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]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 Kv1414 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 ball1.4408	Fitting connection	Rp4
Operating pressure6 bar 8.4 barNominal pressure of fitting PN63Symbol00992011MediumCompressed 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]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 Kv1414 m³/hMax. surface temperature of assemblyTXExplosion group of assemblyIIC, IIICNote on materialsRoHS-compliantLABS (PWIS) conformityHigh-alloy stainless steelMaterial number of housing1.4408Seals materialPTFE PTFE-reinforcedBall materialHigh-alloy stainless steelMaterial number for ball1.4408	Switching position indication	Slot direction = flow direction
Nominal pressure of fitting PN63Symbol00992011MediumCompressed 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]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Temperature of medium-10 °C 200 °CAmbient temperature10 °C 80 °CFlow rate Kv1414 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 ball1.4408	Nominal width DN	100
Symbol00992011MediumCompressed 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]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 Kv1414 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 ball1.4408	Operating pressure	6 bar 8.4 bar
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]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 Kv1414 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 ball1.4408	Nominal pressure of fitting PN	63
Inert gas Water – no water vapor Neutral liquidsOperating 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)Temperature of medium-10 °C 200 °CAmbient temperature-10 °C 80 °CFlow rate Kv1414 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 ball1.4408	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 Kv1414 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 ball1.4408	Medium	Inert gas Water – no water vapor
Temperature of medium-10 °C 200 °CAmbient temperature-10 °C 80 °CFlow rate Kv1414 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 ball1.4408	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature-10 °C 80 °CFlow rate Kv1414 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 ball1.4408	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Flow rate Kv1414 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 ball1.4408	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 material number for ballHigh-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 ball1.4408	Flow rate Kv	1414 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 ball1.4408	Max. surface temperature of assembly	ТХ
LABS (PWIS) conformityVDMA24364 zone IIIHousing materialHigh-alloy stainless steelMaterial number of housing1.4408Seals materialPTFE PTFE-reinforcedBall materialHigh-alloy stainless steelMaterial number for ball1.4408	Explosion group of assembly	IIC, IIIC
Housing materialHigh-alloy stainless steelMaterial number of housing1.4408Seals materialPTFE PTFE-reinforcedBall materialHigh-alloy stainless steelMaterial number for ball1.4408	Note on materials	RoHS-compliant
Material number of housing 1.4408 Seals material PTFE PTFE-reinforced Ball material High-alloy stainless steel Material number for ball 1.4408	LABS (PWIS) conformity	VDMA24364 zone III
Seals material PTFE PTFE-reinforced Ball material High-alloy stainless steel Material number for ball 1.4408	Housing material	High-alloy stainless steel
PTFE-reinforced Ball material High-alloy stainless steel Material number for ball 1.4408	Material number of housing	1.4408
Material number for ball 1.4408	Seals material	
	Ball material	High-alloy stainless steel
Shaft 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 for shaft	1.4401
Product weight 33500 g	Product weight	33500 g

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