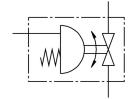
Ball valve actuator unit VZBC-20-FF-40-22-F0304-V4V4T-PS30-R-90-4-C

FESTO

Part number: 1915402





Data sheet

Type code Design Cavay ball valve Quarter turn actuator Actuation type Pneumatic Mounting position Any Type of mounting Switching position indication Nominal pressure Switching position indication Nominal width DN Operating pressure 6 bar8.4 bar Nominal pressure of fitting PN 40 Symbol Medium Compressed air as per ISO 8573-1:2010 [-:+-] Intert gas Water - no water vapor Neutral liquids Operating medium Compressed air as per ISO 8573-1:2010 [-:+-] Intert gas Water - no water vapor Neutral liquids Operatine of medium Compressed air as per ISO 8573-1:2010 [-:+-] Intert gas Water - no water vapor Neutral liquids Operatine medium Operatine on operating and pilot media Operatine with oil lubrication possible (required for further use) Temperature of medium 10 °C 200 °C Ambient temperature Flow rate Kv 4.5.6 m²/h Max. surface temperature of assembly Xx Explosion group of assembly Note on material High-alloy stainless steel Material number of housing Seals material High-alloy stainless steel Material number for ball Material number for ball Material number for ball Material number for shaft High-alloy stainless steel Altous Free (Free inforced Ball material High-alloy stainless steel High-alloy stainless steel High-alloy stainless steel High-alloy stainless steel Altous Free (Free inforced Ball material High-alloy stainless steel High-alloy stainless steel High-alloy stainless steel High-alloy stainless steel High-all	Feature	Value
Actuation type Actuation type Mounting position Any Type of mounting Line installation Fitting connection Ring housing with threaded flange Switching position indication Switching position indication Sowitching position indication Nominal width DN 20 Operating pressure 6 bar 8.4 bar Nominal pressure of fitting PN 40 Symbol Medium Compressed air as per ISO 8573-1:2010 [-::-] Integrate gas Water – no water vapor Neutral liquids Operating and pilot media Operating on operating and pilot media Operature of medium 10° C 200 °C Ambient temperature Flow rate Kv 45.6 m3/h Max. surface temperature of assembly TX Explosion group of assembly IIC, IIIC Note on material Material number of housing Ball material Material number for ball Material number for ball Material number for ball Material number for ball Material number for shaft Material number for shaft Material number for shaft High-alloy stainless steel Material number for ball Material number for ball Material number for shaft High-alloy stainless steel Adougher the material Product weight Corrosion resistance class (CRC) Ja - High corrosion stress	Type code	VZBC
Mounting position Type of mounting Line installation Fitting connection Ring housing with threaded flange Switching position indication Switching position indication Switching position indication Operating pressure 6 bar 8.4 bar Ominal width DN 20 Operating pressure 6 bar 8.4 bar Nominal pressure of fitting PN 40 Symbol Oop92011 Medium Compressed air as per ISO 8573-1:2010 [-:] Intert gas Water – no water vapor Noutral liquids Operating medium Compressed air as per ISO 8573-1:2010 [-:] Intert gas Water – no water vapor Noutral liquids Operating medium Operating and pilot media Operation with oil lubrication possible (required for further use) Temperature of medium - 10 °C 20 °C - 200 °C - Ambient temperature - 10 °C 80 °C Flow rate K 45.6 m³/h Max. surface temperature of assembly IX Explosion group of as	Design	
Fitting connection Ring housing with threaded flange Switching position indication Solit direction = flow direction Nominal width DN 20 Operating pressure 6 bar 8.4 bar Nominal pressure of fitting PN 40 Symbol Medium Medium Medium Medium Medium Morpha Medium Mo	Actuation type	Pneumatic
Fitting connection Ring housing with threaded flange Switching position indication Slot direction = flow direction Nominal width DN 20 Operating pressure 6 bar 8.4 bar Nominal pressure of fitting PN 40 Symbol 00992011 Medium Compressed air as per ISO 8573-1;2010 [:-] Inlert gas Water – no water vapor Neutral liquids Operating medium Compressed air as per ISO 8573-1;2010 [:-] Inlert gas Water – no water vapor Neutral liquids Operating medium Operating and pilot media Operation with oil lubrication possible (required for further use) Temperature of medium -10 °C 200 °C Ambient temperature Flow rate KV 45.6 m³/h Max. surface temperature of assembly IX Explosion group of assembly IIC, IIIC Note on materials Contains paint-wetting impairment substances RoHS-compliant Housing material High-alloy stainless steel Material number of housing 1,4408 Ball material Material number for ball 1,4408 Material number for shaft 1,4401 Product weight 4350 g 3 - High corrosion stress In figh alloy stainless steel Atlegian number for shaft 1,4401 Product weight Corrosion resistance class (CRC) 3 - High corrosion stress	Mounting position	Any
Switching position indication Nominal width DN 20 Operating pressure 6 bar 8.4 bar Nominal pressure of fitting PN 40 Symbol 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 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Temperature of medium 10 °C 200 °C Ambient temperature 10 °C 80 °C Flow rate Kv 45.6 m³/h Max. surface temperature of assembly IX Explosion group of assembly IIC, IIIC Note on materials Contains paint-wetting impairment substances RHS-compliant High-alloy stainless steel Material number of housing Seals material High-alloy stainless steel Material number for ball Shaft material Material number for shaft 1.4401 Product weight Corrosion resistance class (CRC) 3 - High corrosion stress	Type of mounting	Line installation
Nominal width DN Operating pressure 6 bar 8.4 bar Nominal pressure of fitting PN 5ymbol Medium Medium Medium Medium 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 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Temperature of medium -10 °C 200 °C Ambient temperature 10 °C 80 °C Flow rate Kv 45.6 m³/h Max. surface temperature of assembly IIC, IIIC Note on materials Contains paint-wetting impairment substances RoH5-compliant Housing material High-alloy stainless steel Material number of housing PIFE PIFE-reinforced Ball material Material number for ball At408 Seals material Material number for shaft 1.4408 Material number for shaft 1.4408 Product weight A350 g 3 - High corrosion stress	Fitting connection	Ring housing with threaded flange
Operating pressure 6 bar 8.4 bar Nominal pressure of fitting PN 40 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 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Temperature of medium -10 °C 200 °C Ambient temperature 10 °C 80 °C Flow rate Kv 45.6 m³/h Max. surface temperature of assembly TX Explosion group of assembly IIC, IIIC Note on materials Contains paint-wetting impairment substances RoHS-compliant Housing material High-alloy stainless steel Material 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 1.4401 Product weight 4350 g Corrosion resistance class (CRC) 3 - High corrosion stress	Switching position indication	Slot direction = flow direction
Nominal pressure of fitting PN Symbol O0992011 Medium Medium Medium Compressed air as per ISO 8573-1:2010 [-:-:-] Iner gas Water – no water vapor Neutral liquids Operating medium Compressed air as per ISO 8573-1:2010 [-:] Information on operating and pilot media Operating medium Operating with oil lubrication possible (required for further use) Temperature of medium -10 °C 200 °C Ambient temperature 10 °C 80 °C Flow rate Kv 45.6 m³/h Max. surface temperature of assembly TX Explosion group of assembly IIC, IIIC Note on materials Contains paint-wetting impairment substances RoHS-compliant High-alloy stainless steel Material number of housing 1.4408 Seals material High-alloy stainless steel Material number for ball 1.4408 Shaft material Material number for shaft High-alloy stainless steel Material number for shaft High-alloy stainless steel Material number for shaft 1.4401 Product weight Corrosion resistance class (CRC) 3 - High corrosion stress	Nominal width DN	20
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 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Temperature of medium -10 °C 200 °C Ambient temperature -10 °C 80 °C Flow rate Kv 45.6 m³/h Max. surface temperature of assembly IX Explosion group of assembly IIC, IIIC Note on materials Contains paint-wetting impairment substances RoHS-compliant Housing material High-alloy stainless steel Material number of housing 1.4408 Seals material PIFE PIFE-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 Product weight 4350 g Corrosion resistance class (CRC) 3 - High corrosion stress	Operating pressure	6 bar 8.4 bar
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 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Temperature of medium -10 °C 200 °C Ambient temperature -10 °C 80 °C Flow rate Kv 45.6 m³/h Max. surface temperature of assembly TX Explosion group of assembly IIC, IIIC Note on materials Contains paint-wetting impairment substances RoHS-compliant High-alloy stainless steel Material number of housing 1.4408 Seals material Material number for ball Attendal number for ball High-alloy stainless steel Material number for ball High-alloy stainless steel Material number for ball 1.4408 Shaft material Migh-alloy stainless steel Material number for shaft High-alloy stainless steel Material number for shaft 1.4401 Product weight Corrosion resistance class (CRC) 3 - High corrosion stress	Nominal pressure of fitting PN	40
Inert gas Water – no water vapor Neutral liquids Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Temperature of medium -10 °C 200 °C Ambient temperature -10 °C 80 °C Flow rate Kv 45.6 m³/h Max. surface temperature of assembly TX Explosion group of assembly IIC, IIIC Note on materials Contains paint-wetting impairment substances RoHS-compliant High-alloy stainless steel Material number of housing High-alloy stainless steel Material number for ball 1.4408 Shaft material High-alloy stainless steel Material number for shaft High-alloy stainless steel Material number for shaft 1.4401 Product weight Corrosion resistance class (CRC) 3 - High corrosion stress	Symbol	00992011
Information on operating and pilot media Departion with oil lubrication possible (required for further use) Temperature of medium -10 °C 200 °C Ambient temperature -10 °C 80 °C Flow rate Kv 45.6 m³/h Max. surface temperature of assembly TX Explosion group of assembly IIC, IIIC Note on materials Contains paint-wetting impairment substances RoHS-compliant Housing material High-alloy stainless steel Material number of housing 1.4408 Seals material PTFE PTFE PTFE-reinforced Ball material Material number for ball Aterial number for ball Aterial number for ball Aterial number for shaft High-alloy stainless steel Material number for shaft Aterial number for	Medium	Inert gas Water – no water vapor
Temperature of medium -10 °C 200 °C Ambient temperature -10 °C 80 °C Flow rate Kv 45.6 m³/h Max. surface temperature of assembly TX Explosion group of assembly IIC, IIIC Note on materials Contains paint-wetting impairment substances RoHS-compliant Housing material High-alloy stainless steel Material number of housing 1.4408 Seals material High-alloy stainless steel Material number for ball High-alloy stainless steel Material number for ball 1.4408 Shaft material High-alloy stainless steel Material number for shaft High-alloy stainless steel Material number for shaft 1.4401 Product weight Corrosion resistance class (CRC) 3 - High corrosion stress	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature -10 °C 80 °C Flow rate Kv 45.6 m³/h Max. surface temperature of assembly TX Explosion group of assembly IIC, IIIC Note on materials Contains paint-wetting impairment substances RoHS-compliant Housing material High-alloy stainless steel Material 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 ball 1.4408 Shaft material High-alloy stainless steel Material number for shaft 1.4408 Shaft material Material number for shaft 1.4401 Product weight 4350 g Corrosion resistance class (CRC) 3 - High corrosion stress	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Flow rate Kv Max. surface temperature of assembly Explosion group of assembly IIC, IIIC Note on materials Contains paint-wetting impairment substances RoHS-compliant High-alloy stainless steel Material number of housing 1.4408 Seals material PTFE PTFE-reinforced Ball material Material number for ball Attendant under for ball Shaft material Material number for shaft High-alloy stainless steel Material number for shaft 1.4408 Shaft material Material number for shaft Attendant under f	Temperature of medium	-10 °C 200 °C
Max. surface temperature of assembly Explosion group of assembly IIC, IIIC Note on materials Contains paint-wetting impairment substances RoHS-compliant Housing material High-alloy stainless steel Material 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 High-alloy stainless steel Material number for shaft 1.4401 Product weight Corrosion resistance class (CRC) TX IIC, IIIC IIIC	Ambient temperature	-10 °C 80 °C
Explosion group of assembly Note on materials Contains paint-wetting impairment substances RoHS-compliant Housing material High-alloy stainless steel Material 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 High-alloy stainless steel Material number for shaft 1.4401 Product weight 4350 g Corrosion resistance class (CRC) 3 - High corrosion stress	Flow rate Kv	45.6 m³/h
Note on materials Contains paint-wetting impairment substances RoHS-compliant Housing material High-alloy stainless steel Material 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 High-alloy stainless steel Material number for shaft 1.4401 Product weight Corrosion resistance class (CRC) 3 - High corrosion stress	Max. surface temperature of assembly	TX
RoHS-compliantHousing 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 shaft1.4401Product weight4350 gCorrosion resistance class (CRC)3 - High corrosion stress	Explosion group of assembly	IIC, IIIC
Material 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 1.4401 Product weight 4350 g Corrosion resistance class (CRC) 3 - High corrosion stress	Note on materials	
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 1.4401 Product weight 4350 g Corrosion resistance class (CRC) 3 - High corrosion stress	Housing material	High-alloy stainless steel
Ball material High-alloy stainless steel Material number for ball 1.4408 Shaft material High-alloy stainless steel Material number for shaft 1.4401 Product weight 4350 g Corrosion resistance class (CRC) 3 - High corrosion stress	Material number of housing	1.4408
Material number for ball 1.4408 Shaft material High-alloy stainless steel Material number for shaft 1.4401 Product weight 4350 g Corrosion resistance class (CRC) 3 - High corrosion stress	Seals material	· · · =
Shaft material High-alloy stainless steel Material number for shaft 1.4401 Product weight 4350 g Corrosion resistance class (CRC) 3 - High corrosion stress	Ball material	High-alloy stainless steel
Material number for shaft1.4401Product weight4350 gCorrosion resistance class (CRC)3 - High corrosion stress	Material number for ball	1.4408
Product weight 4350 g Corrosion resistance class (CRC) 3 - High corrosion stress	Shaft material	High-alloy stainless steel
Corrosion resistance class (CRC) 3 - High corrosion stress	Material number for shaft	1.4401
	Product weight	4350 g
Explosive ambient temperature -10°C <= Ta <= +60°C	Corrosion resistance class (CRC)	3 - High corrosion stress
	Explosive ambient temperature	-10°C <= Ta <= +60°C

Feature	Value
1 ' '	Zone 1 (ATEX) Zone 2 (ATEX)
	Zone 21 (ATEX) Zone 22 (ATEX)