



## 502 VALVE WITH SA03 ELECTRIC ACTUATOR

Model/Ref: 270090023000



*Partnership.  
Without Limits.*

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## 502 VALVE WITH SA03 ELECTRIC ACTUATOR

### CHARACTERISTICS

The 502+SA03 is a 2-way brass ball valve dedicated to the automatic shut-off of non-corrosive common fluids: water, air, hydrocarbons, etc. It is a full bore ball valve. With EC and the French ACS certification, it is suitable for drinking water applications. The ISO 5211 pad allows a direct mounting of the SA actuator. It is perfectly suitable for an indoor or outdoor industrial use.

### AVAILABLE ITEMS

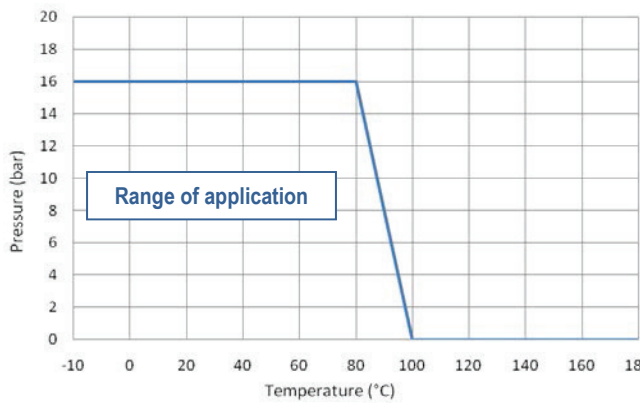
CW 617N brass body  
 Size 1/4" to 1"  
 BSP threaded connections  
 Voltage: 24 V DC, 24 V AC and 230 V AC



1/2" to 1"

### LIMITS OF USE

Max. allowable pressure (PS)	16 bar
Min./max. allowable temperature (TS)	-10 °C / +100 °C
Room temperature	-20 °C / +70 °C
Service	S2 – 50%



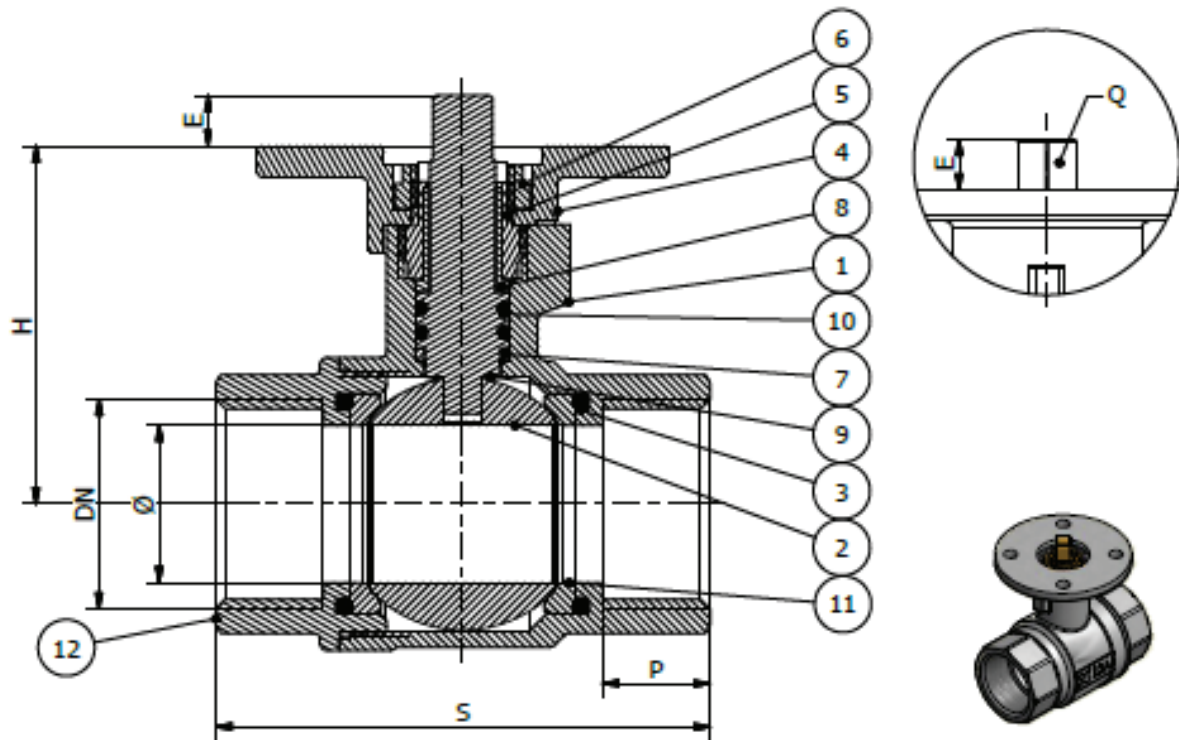
### DIRECTIVES AND DEVELOPMENT STANDARDS APPLICABLE

	Standard		Standard
97/23/EC Pressure Equipment Directive	1/4" to 1" : excluded	French Sanitary Compliance Certificate (ACS)	1/4"-3/8" : excluded
			1/2" to 1" : 08 ACC LY 073
Shell design	EN 12516-4	Actuator attachments	ISO 5211
Alloy grade	EN 12240	Valve testing	EN 12266

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**CONSTRUCTION**

#	Item	Material	#	Item	Material
1	Body	Nickel-plated CW 617N brass	7	Anti-friction ring	PTFE
2	Ball	Chromium-plated CW 617 brass	8	Anti-friction sleeve	PTFE
3	O-ring (DN 2" ½ to 4")	NBR	9	Stem	CW 614N brass
4	Actuator pad	Nickel-plated CW 617N brass	10	O-ring	NBR / FKM
5	Nut	CW 614N brass	11	Seat	PTFE
6	Nut	CW 614N brass	12	End	Nickel-plated CW 617N brass


**DIMENSIONS (mm)**

DN	¼"	3/8"	½"	¾"	1"	1" ¼	1" ½	2"	2" ½	3"	4"
Ø	10	10	15	20	25	32	40	49	64	78	100
S	50	60	63,5	72	86	96	107	124	141	159	195
P	10	11	14	16	17	18	19	21	25	25	30
H	33	34	45	48.5	52.5	56.5	68	73.5	92	102	129
E	9	9	13	13	13	13	13	13	12	12	18
Q	9	9	11	11	11	11	11	11	14	14	17
ISO	F03	F03	F04-F05	F04-F05	F04-F05	F05	F05	F05	F05	F05	F07

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### ELECTRIC ACTUATION WITH SA03

Suggested standard SA actuation under the following conditions:

- Electric actuator with an IP 67 epoxy coated aluminium enclosure and steel gears
- A minimum 1.3 safety factor compared with the valve nominal torque rating
- A maximum pressure differential up/downstream of 10 bar (=ΔP)

Direct mounting of the electric actuator

DN	Actuator	Power	Intensity 230 V AC	Intensity 24 V AC/DC	Operating Time*	Standard equipment of the actuator	
¼"	SA03	3 W	0.8 A	0.8 A	8 s	2 adjustable limit switches 2 dry auxiliary switches 2 W anti-condensation heater Actuator thermal cut-out Declutching by lever Manual override by key Backlit position indicator Electrical connection: 1 gland pack. M20x1.5	
3/8"	SA03	3 W	0.8 A	0.8 A	8 s		
½ "	SA03	3 W	0.8 A	0.8 A	8 s		
¾ "	SA03	3 W	0.8 A	0.8 A	8 s		
1"	SA03	3 W	0.8 A	0.8 A	8 s		
1" ¼	Refer to 502 + SA05 version						
1" ½							
2"							

\*Unloaded operating time given for information purpose only. May vary depending on the medium

For any other working conditions, please contact us.

### ACTUATION OPTIONS

1	100 mm stem extension for pipe insulation (see 500HC model)
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