502 VALVE WITH SF SWITCH BOX

FEATURES

The brass 2-way ball valve 502+SF provides the manual shut-off function with position display and feedback information control. The 502 valve is suitable for usual non-corrosive fluids: water, air, hydrocarbons, etc. It is a full-bore valve. It is EC- and ACS-approved (French health compliance certificate). The SF switch box is equipped, as standard, with 2 dry contacts. Due to its IP67 leak-tightness, it can be installed both indoors and outdoors. Different contacts and detectors are available as options. Lockable handle.

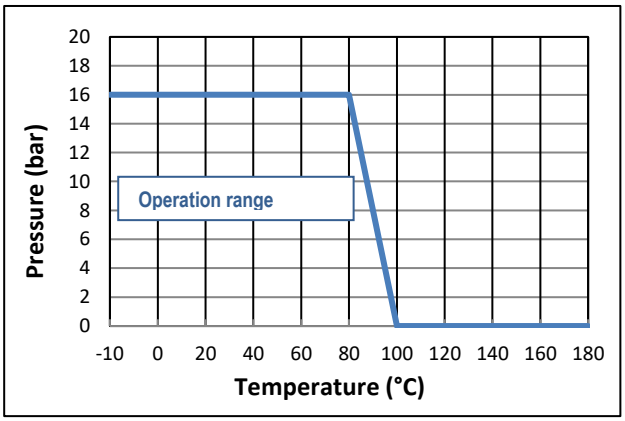
AVAILABLE MODELS

CW 617N brass body.
1/4'' to 4'' diameters.
G threaded connection.
Electrical connection: 2 x M20x1.5.

1/2'' to 4''

LIMITS OF USE

Fluid pressure: WP	16 bar
Fluid temperature: WT°	-10°C / +100°C
Ambient temperature	- 20°C / + 80°C
IP Code	IP 67





DIRECTIVES AND MANUFACTURING STANDARDS

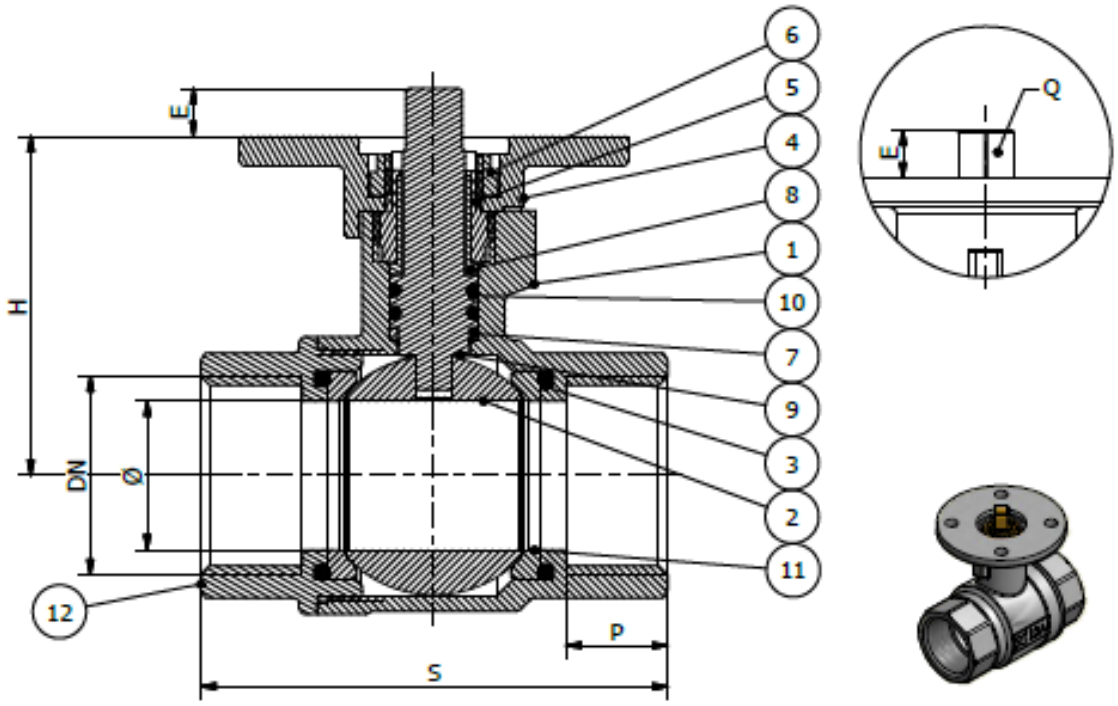
OBJECT	Standard	ON	OBJECT	Standard
Pressure Equipment Directive 2014/68/EC	1/4'' to 1": not subject		French health compliance certificate (A.C.S.)	1/4''- 3/8'': not certified
	1" 1/4 to 2": article 4 § 3			1" 1/4 to 2": 08 ACC LY 073
	2" 1/2 à 4'': category II	PASCAL 1115		2" 1/2 à 4'': 08 ACC LY 075
Size	EN 12516-4		Brass grade	EN 12240
Final test	EN 12266			

Information given as an indication only, and subject to possible modifications

502 VALVE WITH SF SWITCH BOX

CONSTRUCTION

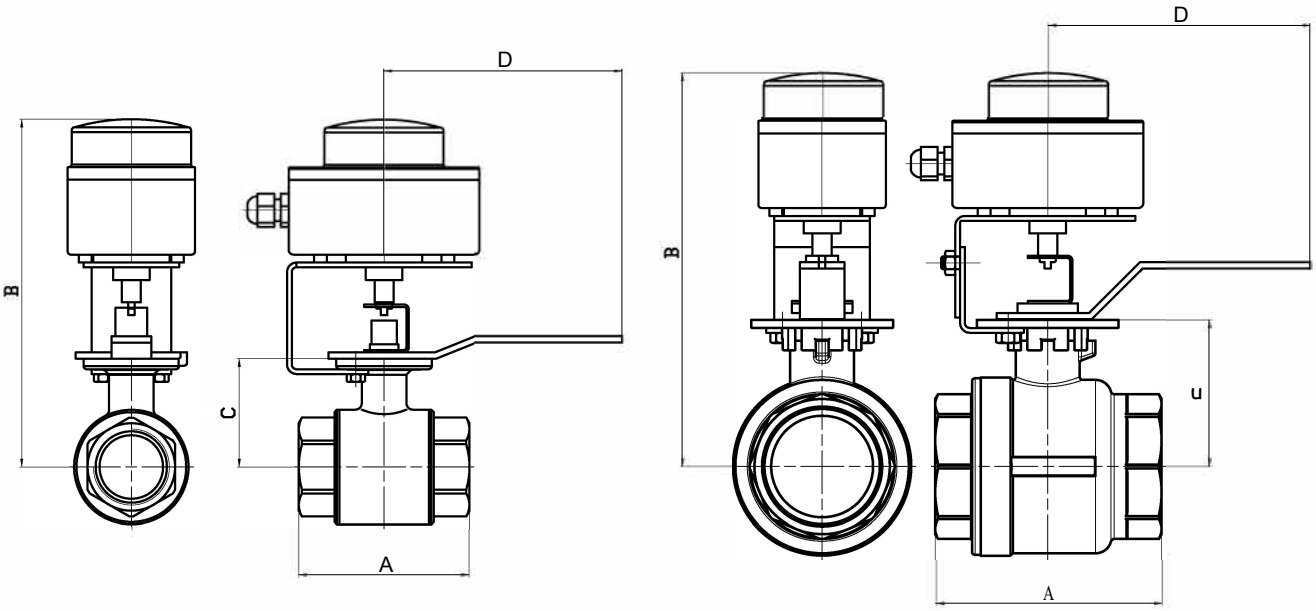
No.	Name	Material	Nr.	Name	Material
1	Body	Nickel-plated CW 617N brass	7	Anti-friction ring	PTFE
2	Sphere	Chromium-plated CW 617N brass	8	Anti-friction coupling	PTFE
3	O-ring (DN 2'' 1/2 à 4'')	NBR	9	Stem	CW 614N brass
4	Motorisation flange	Nickel-plated CW 617N brass	10	O-ring	NBR / FPM
5	Nut	CW 614N brass	11	Seat	PTFE
6	Nut	CW 614N brass	12	End	Nickel-plated CW 617N brass



DIMENSIONS (mm)

DN	1/4"	3/8"	1/2"	3/4"	1*	1"1/4	1"1/2	2"	2"1/2	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	F05	F05	F05	F05	F05	F05	F05	F05	F07

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DN	1/4'	3/8'	1/2'	3/4'	1•	1'1/4	1'1/2	2·
A	56	56	63.5	72	86	96	107	124
B	212,5	212,5	209,5	213	217	221	232,5	238
C	48	48	45	48.5	52.5	56.5	68	73.5
D	150	150	150	150	150	150	150	150
KG	1.26	1.26	1.26	1.36	1.66	1.86	2.36	2.56

DN	2'1/2	3•	4•
A	141	159	195
B	262,5	272,5	299,5
C	92	102	129
D	165	165	165
KG	5.8	8	9.3

InforMo.tlons donnes a titre Indlco.tlf et sous r serve de Modlfico.tlons ventuelles
doto. subject to o.ltero.tlon

				Maj.cote B	19/12/2014 B
				Maj. 1/2' il.2'	08/02/2013 A
Ech1 /	Dnte 130/03/2012	Dessine por , ED	Tolero.nces generQles , +/- 02	ModlficQtlons	Dnte REV.

R□BINET A T□URNANT SPHERIQUE 502 +
BFC/BALL VALVE 502 + LIMIT S\./ITCH BOX

Mo.tlere :

Polols (Kg> :

TrQiter1ent , SANS

Plo.n n◊ Ens 1133B

SF-TYPE SOLDO SWITCH BOXES

FEATURES

The SF-type switch box is intended for equipping quarter-turn pneumatic actuators and manual valves. It makes it possible to have an easy, direct view of the valve position and of the feedback information to control. Of robust construction, it can be installed outdoors. The position indicator provides a very good visual reading of the valve position. The SF switch box can be equipped with many switches and detectors (see below). The notched cams can be manually adjusted with great accuracy, and are insensitive to vibrations.

AVAILABLE MODELS

SF: IP67 model

LIMITS OF USE

Ambiant temperature	-20°C / +80°C
IP Code	IP 67
SF	Outiside ATEX zone



MECHANICAL CONNECTION

Axis dimension	According to VDI/VDE 3845
Attachment	ISO 5211 F05
Stainless steel arches for attachment on to the actuator	NAMUR 0 : 50x25x20 mm NAMUR 1 : 80x30x20 mm NAMUR 2 : 80x30x30 mm NAMUR 3 : 130x30x30 mm NAMUR 4 : 130x30x50 mm

ELECTRICAL CONNECTION

Standard cable inputs	2 x M20x1.5



CONSTRUCTION

Casing and lid	Aluminium
Coating	Polyester paint
Stem	Stainless steel
Dome	Polycarbonate

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SWITCH DETAILS SF model

Ref.	Switch	Features
01	SPDT el.mech. switch silver plated contacts	Max 5A-250Vac / min 50mA-250Vac Max 5A-125Vac / min 50mA-125Vac Max 3A-24Vdc / min 50mA-24Vdc
03	SPDT el.mech. switch gold plated contacts (for Exia cert)	Max 1,8A/3A-250Vac / min 5mA-250Vac Max 2A/3A-125ac / min 5mA-125Vac Max 1,2A/1,5A-24Vdc / min 1mA-24Vdc
1F	DPDT el.mech. switch silver plated contacts	
C4	SPDT magnetic hermetically sealed reed switch.	Max 0,1A-120Vac / 1A-24Vdc
C8	DPDT magnetic hermetically sealed reed switch.	Max 0,1A-120Vac / 1A-24Vdc
N1	SPDT magnetic hermetically sealed silver plated snap acting contacts	Max 5A-250Vac / 5A-28Vdc
N3	SPDT magnetic hermetically sealed gold plated snap acting contacts	Max 1A-250Vac / 1A-30Vdc
N4	DPDT magnetic hermetically sealed silver plated snap acting contacts	Max 5A-250Vac / 5A-28Vdc
60	Inductive proximity NAMUR sensor SJ3,5-N	2 wire NC logic (for Exia cert)
62	Inductive proximity NAMUR sensor SJ3,5-SN	2 wire NC logic (for Exia cert, safety funct. low temp)
63	Inductive proximity NAMUR sensor - SJ3,5-S1N	2 wire NO logic (for Exia cert, safety funct)
70	Inductive proximity NAMUR - NJ2-V3-N	2 wire (for Exia cert)
73	Inductive proximity sensor (+70°C max.) - NBB2-V3-E2	P+F - 3 wire PNP NO amplified 10-30 Vdc, 100 mA
75	Inductive proximity sensor - IS 5026	IFM - 2 wire NO/NC amplified 5-36 Vdc, 200 mA
83	Inductive proximity sensor - NBB3-V3-Z4	P+F - 2 wire NO amplified 5-60 Vdc, 100 mA
TO	4-20 mA position transmitter	12-30 Vdc
HO	4-20 mA HART position transmitter	Atex Ex ia IIC T6 / T4 – certified 8-30Vdc

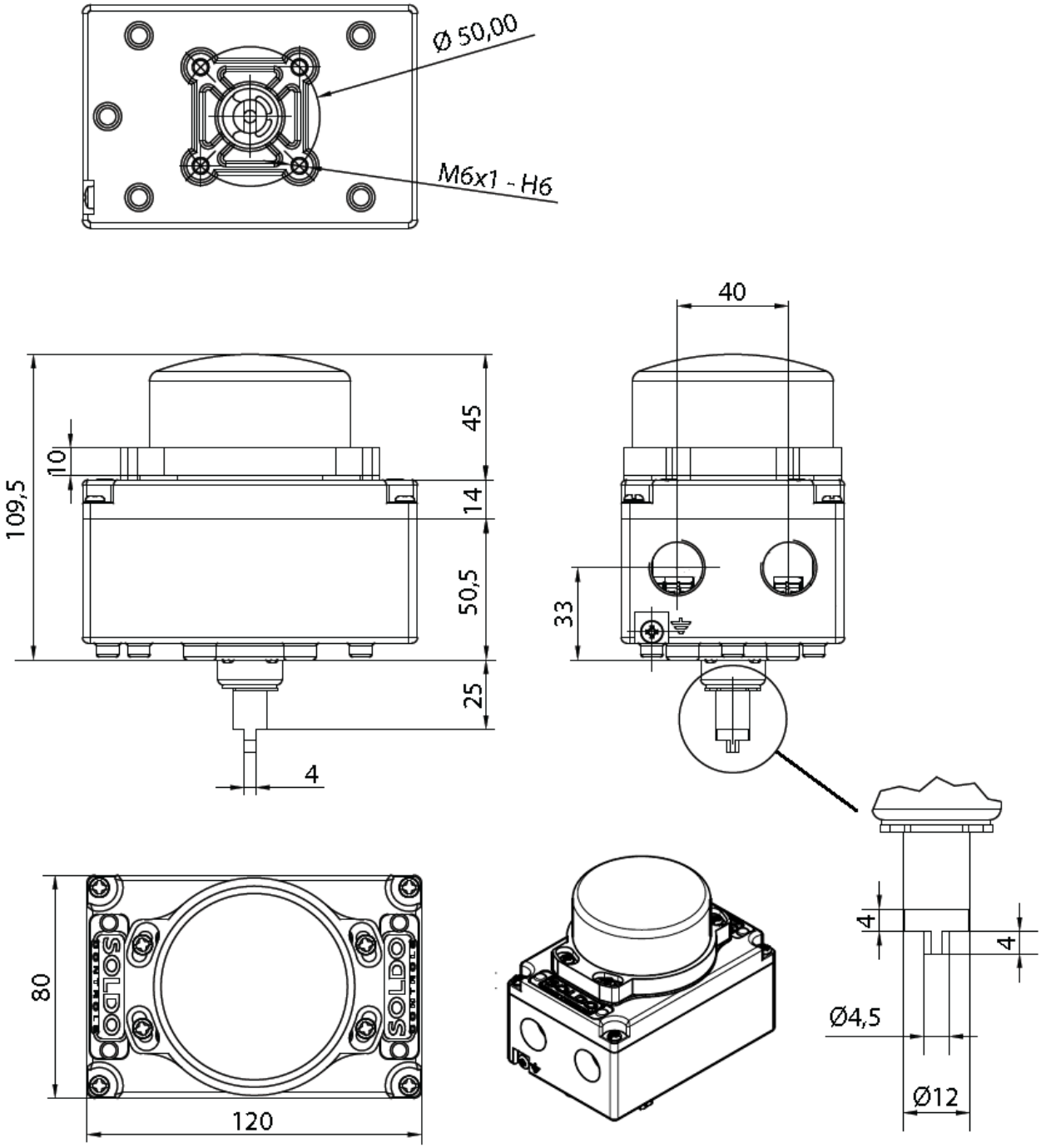
OPTIONS

There are many options for which you are invited to contact our sales service:

	SS : stainless steel box
	3-Channel L or T indicators
L	**LT** : version -40°C (according to the type of switch)
P	**LT 1** : version -55°C (according to the type of switch)
1	Cable inputs 1/2" NPT
	Pilot-solenoid valve wiring
G	EAC Certificate
U	UL Certificate

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DIMENSIONS (mm)



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		Ref.	FT4620 ENG
		Rev.	04
		Date	04/2017