

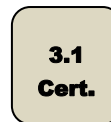
710-711XS VALVE WITH AP-RE PNEUMATIC ACTUATOR

FEATURES

The 711 XS + AP-RE 2-way ball valve is designed for the automatic shut-off of networks of non-loaded industrial fluids, up to a pressure of 40 bar. This 3-piece external tie-bolt ball valve is easy to remove for servicing. This full-bore valve has an anti-static device and double sealing at the cable gland. It is EC-, ATEX- fire safety- and TA-LUFT-approved. The pneumatic motorisation is available in double and spring-return with numerous options.

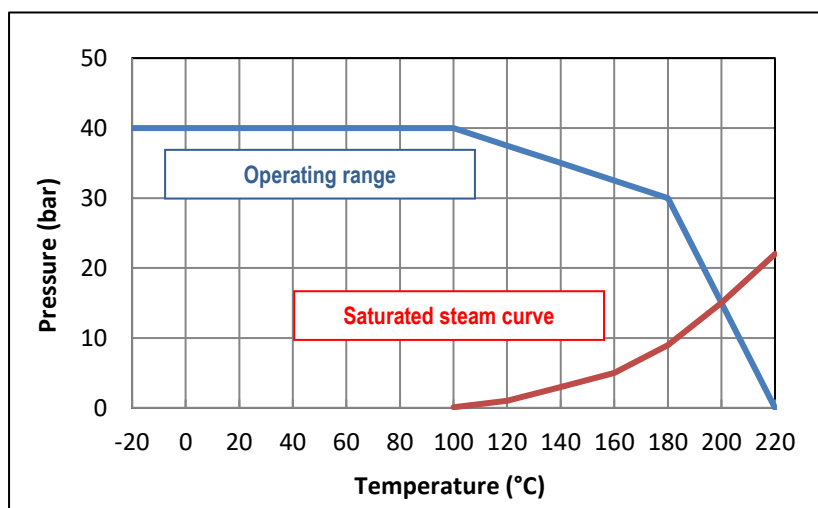
AVAILABLE MODELS

DN 15 to DN 100 diameters.
DN 65 to DN 100 diameters.
PN40 RF flange connection.
Double and spring-return actuators.



LIMITS OF USE

Fluid pressure: PS	40 bar (20°C)
Fluid temperature: WT	-25°C / +220°C
Ambient temperature	- 20°C / +80°C
Motor compressed air	minimum 6 bar / maximum 10 bar



DIRECTIVES AND MANUFACTURING STANDARDS

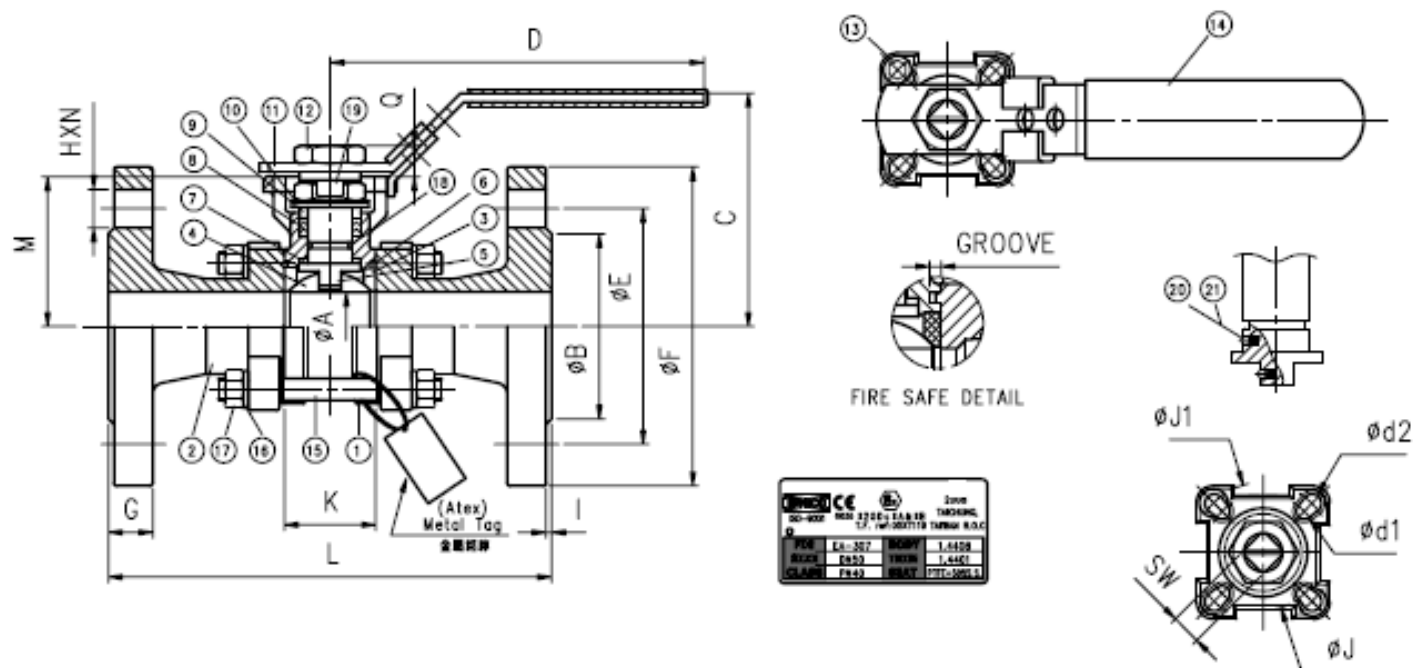
OBJECT	Standard	ON	OBJECT	Standard
Pressure Equipment Directive 2014/68/EC	DN 15 to DN 25: non soumis		Final test	NKS 12266
	DN 32 to DN 100: category III	TÜV 0035	Material certificate	NKS 10204
Size	EN 12516-1		Motorisation connection	ISO 5211:
Steel grades	EN 1503-1		Motorisation kit	NKS 15081
ATEX Directive	II 2G/D Tx zones 1,2,21 and 22	SIRA 0518	Actuator pilot connection	NAMUR
	EN 13463-1 and 5		Switch box connection	VDI/VDE 3845
Fire safe	API 607/4 - EN10497-5		SIL 3 level (the actuator alone)	NKS 61508

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

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CONSTRUCTION

No.	Name	Steel	Stainless steel	No.	Name	Steel	Stainless steel
1	Body	1.0619	1.4408	12	Nut		304 SS
2	Ends	1.0619	1.4408	13	Pointer		304 SS
3*	Seats	PTFE+50% stainless steel		14	Coupling		PVC
4	Ball	CF8M / 316		15	Tie-bolts		304 SS
5	Stem	316 SS		16	Washer		304 SS
6*	Body gasket	Graphite		17	Nuts		304 SS
7*	Washer	PTFE+15%GF		18*	O-ring		FPM
8*	Gasket	Graphite		19	Tab washer		304 SS
9	Spacer	304 SS		20	Anti-static		316 SS
10	B. washer	301 SS		21	Spring		316 SS
11	Lever	304 SS					



DIMENSIONS (mm)

DN	A	B	C	D	E	F	SW	d1	d2	M	Q	K	L
15	15	45	70,9	125	65	95	9	6	6	42,3	8	25,2	130
20	20	58	73,4	125	75	105	9	6	6	44,8	8	27,2	150
25	25	68	84,1	150	85	115	11	6	7	54	12	33	160
32	32	78	89,3	150	100	140	11	6	7	59,2	12	41,2	180
40	40	88	109,5	165	110	150	14	7	9	73,5	14,8	49,3	200
50	50	102	118,9	165	125	165	14	7	9	82,9	14,8	63,6	230
65	65	122	155	300	145	185	17	9	11	107	17.1	82.1	290
80	80	138	165	335	160	200	17	9	11	117.3	17.1	95.8	310
100	100	162	180	335	190	235	17	9	11	132.3	17.1	117.8	350

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AP-RE PNEUMATIC MOTORISATION

The ALPHAIR motorisation proposed as standard comprises:

- a safety coefficient of 1.3 minimum compared to the nominal torque of the valve.
- 6 bar air non-lubricated dry motor.
- an upstream / downstream pressure difference $\Delta P=10$ bar max.

Direct mounting.

DN	Double effect	V (litres)	Temps (s)*	Single-effect	V (litres)	Temps (s)*
15	RE 51	0,23	1	RES 51/6	0,23	1
20	RE 51	0,23	1	RES 64/6	0,45	1
25	RE 51	0,23	1	RES 64/6	0,45	1
32	RE 51	0,23	1	RES 76/6	0,61	1
40	RE 64	0,45	1	RES 86/6	0,98	1
50	RE 76	0,61	1	RES 101/6	1,8	2
65	RE 76	0,61	1	RES 101/6	1,80	2
80	RE 86	0,98	1	RES 116/6	2,80	2
100	RE 101	1,80	1	RES 126/6	3,70	2

For any other operating conditions, please contact us.

* indicative time for actuator running empty

OPTIONS

There are many options, so please contact our sales service for more information on these:

1	actuators dimensioned for a compressed air pressure of 3, 4 or 5 bar
2	actuator dimensioned for an upstream / downstream pressure difference ΔP greater than 10 bar
3	actuator with special coating, stainless steel actuator
4	Actuator for very low (-60°C) or very high ($+150^{\circ}\text{C}$) ambient temperatures.
5	Automatic safety valve with a reinforced safety coefficient and closing time $< 1\text{s}$,
6	special version for ATEX zones
7	manual override with declutchable gear box
8	compressed air filter regulator
9	all types of piloting solenoid valves
10	all types of switch boxes
11	all types of positioner
12	quick exhaust
13	flow-rate limiters
14	air lock
15	ball with decompression hole

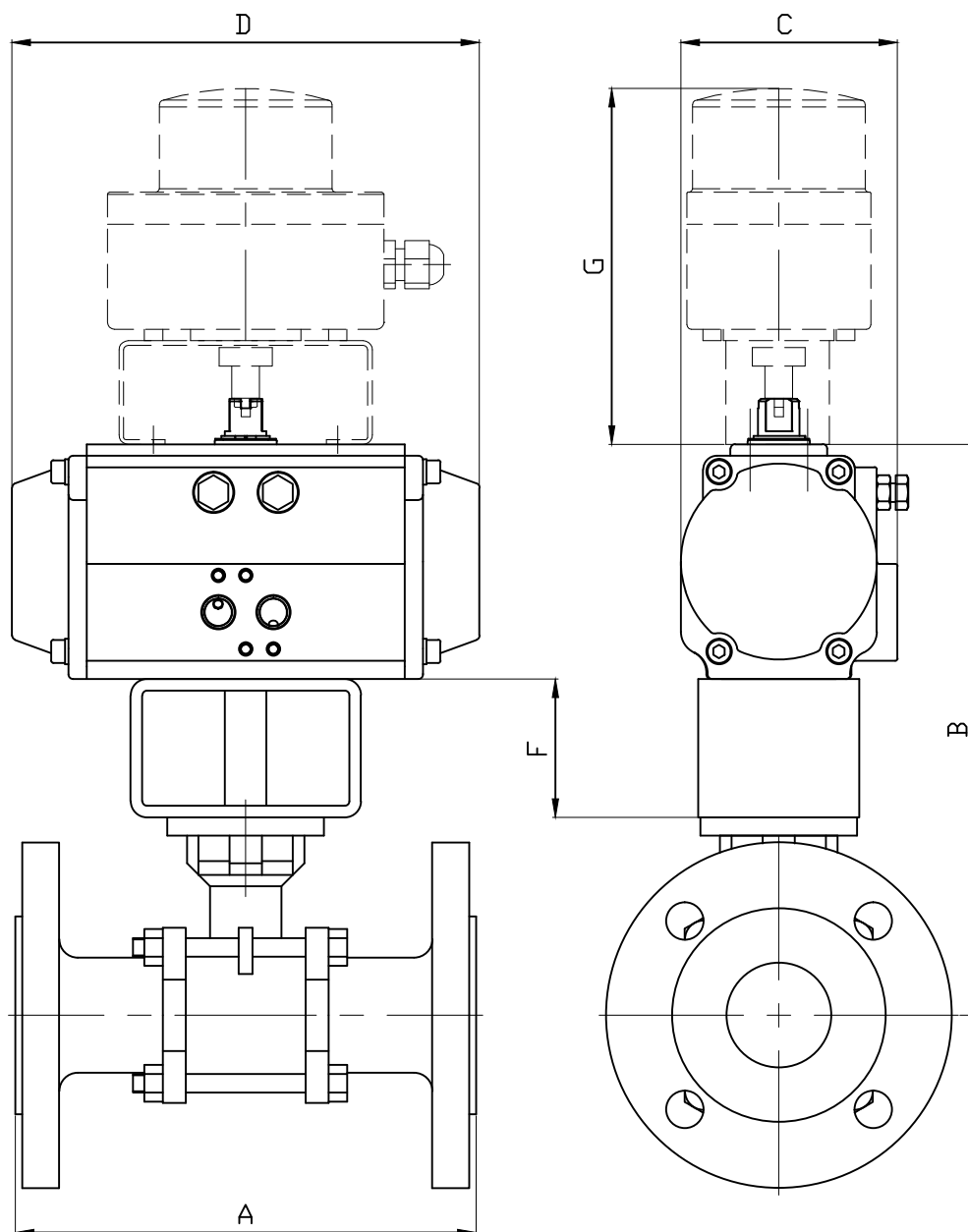


INSTALLATION IN AN ATEX ZONE

For 710 -711XS+AP-RE automatic valves to be installed in ATEX 1, 2, 21 or 22 zones, this has to be specified when ordering. Our services will check of the assembly, the installation of an earthing braid, and will issue an assembly certificate. Our authorised technicians carry out these operations in the workshop. Please contact us.

The special assembly and maintenance instructions for motorised valves in the ATEX zones must be followed.

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DN	DN15		DN20		DN25		DN32		DN40		DN50		DN65		DN80		DN100	
ALPHAIR	RE51	RESS1	RE51	RES64	RE51	RES64	RE51	RES76	RE64	RES86	RE76	RES101	RE76	RES101	RE86	RES116	RE101	RES126
A	130		150		160		180		200		230		290		310		350	
B	171.3		173.8	190.8	123	140	128.2	221.2	159.5	245.5	184.9	209.9	209	234	229.3	262.8	259.3	289.8
C	75		75		75	86	75	94	86	104	94	120	94	120	104	134	120	146
D	138		138		138	155	138	203	155	239	203	261	203	261	239	304	261	333
F	60		60		-		-	60	-	60	-		-		-		-	
G	154.5		154.5		154.5		154.5		154.5		154.5		154.5		154.5	164.5	154.5	164.5
KG	3.9	4	4.77	5.49	5.3	6	8.17	10.9	9.46	13.23	14.24	18	21.6	25.42	29.4	36.4	43	47.23

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