

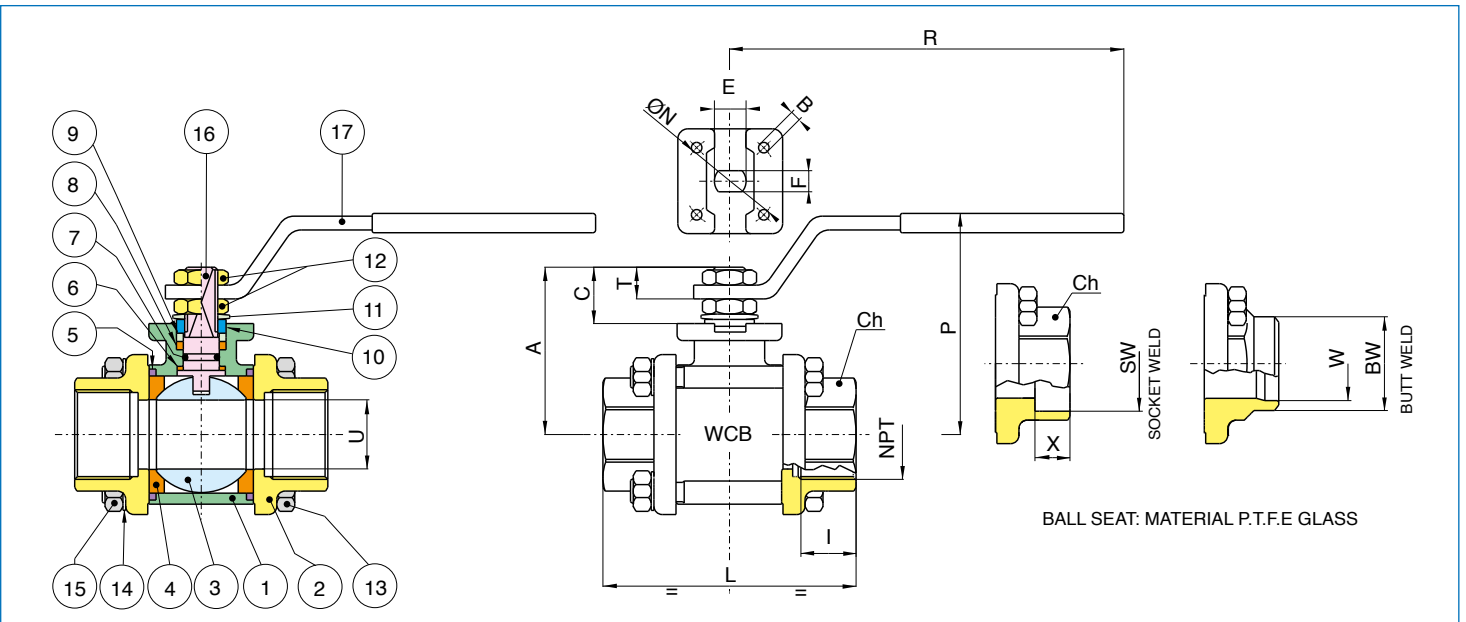


SERIES 710003 - 714000 - 715000 CARBON STEEL 3 PC BALL VALVE

- 3 pc carbon steel A105 ball valve, stainless steel ball and stem.
- Full port sizes 1/4" to 4".
- Pressure rating 1000 psi WOG - 150 psi steam.
- Temperature -4° F to +366° F.
- Blow out proof stem, adjustable stem packing.
- P.T.F.E. seats, packing and thrust washer.
- 4 bolt actuator mounting pad.
- 100% electronically tested in the open and closed position at 80 psi.
- TUV T.A. Luft approved.

710003: THREADED.
714000: SOCKET WELD.
715000: BUTT WELD.

* On request available with gas antistatic device.
COMPLIES WITH NACE MR 0175/ISO 15156 AND NACE MR 0103.



N.PCS	PART NAME	MATERIAL	N.PCS
1	BODY	ASTM A105- WCB	1
2	END CONNECTION	ASTM A105- WCB	2
3	BALL	AISI 304-CF8	1
4	BALL SEAT	P.T.F.E	2
5	SEAL	P.T.F.E	2
6	STEM SEAL	P.T.F.E	1
7	O-RING	FKM (Viton®)	1
8	STEM SEAL	P.T.F.E	1
9	PACKING GLAND	STEEL	1
10	END STOP	AISI 430 (1/4" - 2") STEEL (2 1/2" - 4")	2 1
11	SPRING WASHER	STEEL (2"1/2-4")	2
12	NUT	STEEL	2
13	BOLT	STEEL(1/4" - 2") STEEL (2 1/2 - 4")	4 6
14	WASHER	STEEL(1/4" - 2") STEEL (2 1/2 - 4")	4 6
15	NUT	STEEL(1/4" - 2") STEEL (2 1/2 - 4")	4 6
16	STEM	AISI 304	1
17	HANDLE	STEEL	1

SIZE	U	I	SW	X	BW	W	L	CH	R	P	A	C	T	E	F	ØN	B	CV	psi	Lbs
1/4"	0.39	0.43	-	-	-	-	2.24	0.86	4.35	1.96	1.37	0.53	0.35	0.31	0.19	-	-	6.26	1000	0.61
3/8"	0.39	0.44	0.71	0.37	0.67	0.49	2.24	0.86	4.35	1.96	1.37	0.53	0.35	0.31	0.19	-	-	6.96	1000	0.61
1/2"	0.59	0.59	0.88	0.37	0.83	0.62	2.55	1.06	5.17	2.51	1.85	0.59	0.39	0.39	0.27	1.41	0.23	18.90	1000	0.88
3/4"	0.78	0.64	1.09	0.43	1.05	0.82	2.99	1.25	5.17	2.67	2.02	0.59	0.39	0.39	0.27	1.65	0.21	34.22	1000	1.32
1"	0.98	0.75	1.35	0.50	1.31	1.04	3.62	1.61	6.87	3.09	2.36	0.76	0.49	0.47	0.31	1.65	0.23	49.88	1000	2.42
1 1/4"	1.25	0.84	1.70	0.56	1.66	1.38	4.19	1.96	6.87	3.28	2.53	0.76	0.49	0.47	0.31	1.65	0.21	103.24	1000	3.36
1 1/2"	1.49	0.84	1.94	0.62	1.90	1.61	4.56	2.16	9.86	3.93	3.11	0.94	0.64	0.62	0.39	1.96	0.25	266.80	1000	4.61
2"	1.96	1.01	2.44	0.68	2.37	2.06	5.35	2.75	9.86	4.21	3.38	0.94	0.64	0.62	0.39	1.96	0.25	307.40	1000	7.03
2 1/2"	2.55	1.18	3.01	0.78	2.87	2.46	6.04	3.54	12.65	4.98	4.05	1.10	0.70	0.78	0.55	2.75	M8	626.40	1000	18.24
3"	3.15	1.31	3.52	0.78	3.50	3.06	7.08	4.13	12.65	5.41	4.48	1.10	0.70	0.78	0.55	2.75	M8	1012.68	1000	29.45
4"	3.93	1.54	4.52	0.78	4.50	4.02	8.54	5.11	15.01	6.16	5.39	1.35	0.86	0.94	0.70	4.01	M10	1612.40	1000	46.79





Type 4X Indoor Use Only Enclosure.

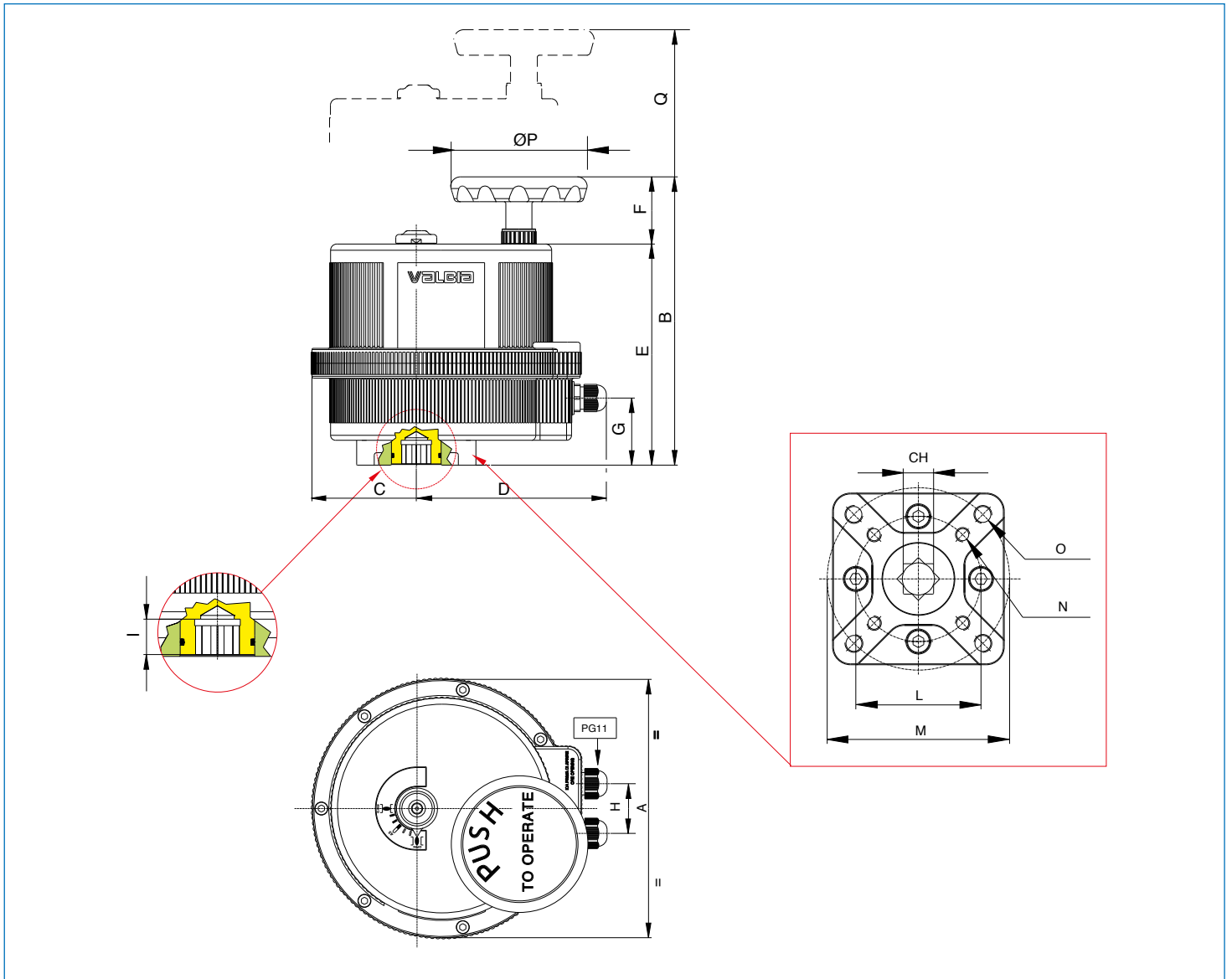
DESIGN PROTECTED

GENERAL SPECIFICATIONS

The VALBIA electric actuators are suitable for the automation of ball and butterfly valves for the industrial and construction sector. The usage of electronic components of last generation, together with precise mechanic, thanks to a careful research and development, enables high performance and long-term reliability of the product.

The range has been manufactured with following characteristics:

- The housing of the actuators provides a V0 self-extinguish class techno-polymer material.
- The kinematics is made by steel and techno-polymer gear wheels, sustained by hardened steel pinions, mounted on self-lubricating bushes and inserted in a strong structure of die-cast aluminium (excluding mod. VB015).
- The connection part of the actuators with the valves, is made by a die-casted and painted aluminium plate cataphoresis, with a dual drilling interface as per the ISO5211-DIN 3337 Standard.
- The electronic circuit adjusts automatically the motor speed depending on the mechanical load variations in order to drive the cycle always in the same time.
- The whole range of actuators is provided with an electronic safety system for the torque control (torque limiter).
- The whole range of actuators is standard provided of heater activated with the powered actuator.
- The whole range of actuators (except for mod. VB015) is modulable: and programmable in standard mode (4-20 mA or 0-10V) or reverse mode (20-4 mA or 10-0V)
- All electric actuators (except for mod. VB015) can be equipped with rotary potentiometer (5K Ω 1W).
- All electric actuators (except for mod. VB015 and for 12V power supply), can be equipped with battery backup for emergency control.



MOD.	DRILLING ISO 5211	CH	A	B	C	D	E	F	G	H	I	L	M	N	O	ØP	Q
VB015	F03 - F05 *	0.43	4.84	5.57	1.67	4.74	4.96	0.61	4.06	1.26	0.55	1.42	1.97	10-24 UNC 2BX0.47	1/4-20 UNC 2BX0.51	2.68	2.56
VB030	F03 - F05 *	0.43	6.18	7.40	2.38	5.10	5.75	1.65	1.30	1.42	0.47	1.42	1.97	10-24 UNC 2BX0.47	1/4-20 UNC 2BX0.51	2.56	3.94
VB060	F05 - F07	0.55	7.28	8.46	2.66	5.77	6.81	1.65	2.01	1.42	0.63	1.97	2.76	1/4-20 UNC 2BX0.59	5/16-18 UNC 2BX0.63	2.56	4.33
VB110	F07 - F10	0.67	8.31	9.14	3.31	6.02	7.01	2.13	2.13	1.58	0.75	2.76	4.02	5/16-18 UNC 2BX0.75	3/8-16 UNC 2BX0.75	4.33	4.53
VB190	F07 - F10	0.67	8.31	9.14	3.31	6.02	7.01	2.13	2.13	1.58	0.75	2.76	4.02	5/16-18 UNC 2BX0.75	3/8-16 UNC 2BX0.75	4.33	4.53
VB270	F07 - F10	0.87	8.74	9.19	3.03	6.69	7.17	2.03	2.13	1.58	0.95	2.76	4.02	5/16-18 UNC 2BX0.75	3/8-16 UNC 2BX0.75	4.33	4.53
VB350	F07 - F10	0.87	8.74	9.19	3.03	6.69	7.17	2.03	2.13	1.58	0.95	2.76	4.02	5/16-18 UNC 2BX0.79	3/8-16 UNC 2BX0.75	4.33	4.53

* Upon request F04 or F07.