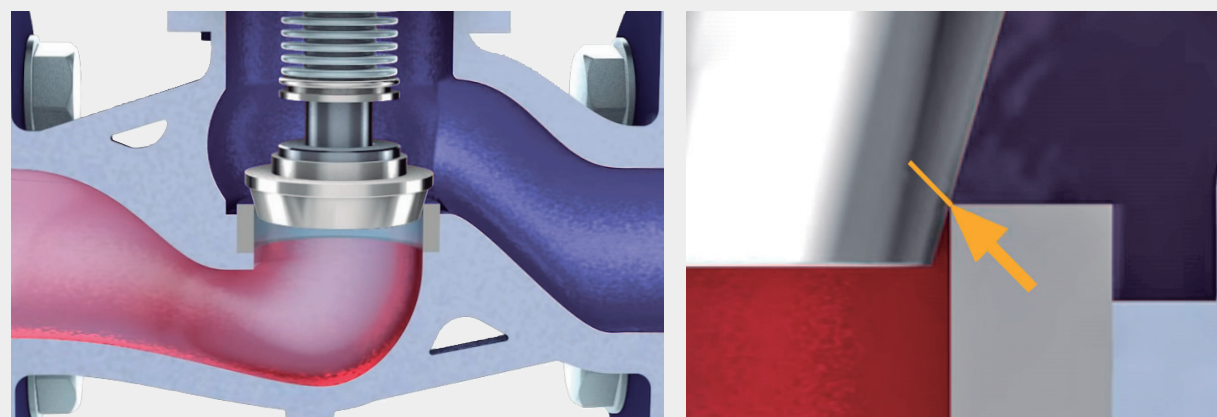


BVALVE®

Bellows sealed globe valve
Electric actuated - DIN

Electric actuated bellows sealed globe valve

Electric actuated bellows sealed globe valve, straight type, with flanges acc. EN 1092-1; coupled stem with burnished shaft. Multiplewall liquid contacted bellows made of stainless steel, with anti torque device, tested for 30.000 cycles. Metal back seat. Safety stuffing box packing made of pure graphite. Grooved bonnet gasket made of stainless steel 1.4571 with a coating of pure graphite on both sides, housed in a tongue and grooved flange. Fitted with electric actuator IP66. Power supply: 220V / 50-60Hz or 24V AC or 24V DC. Control signal: 3 step control / 4-20 mA / 0-10V DC



FULL TIGHTNESS
IN METAL TO METAL SEATS
Acc. to EN12266 RATE A



ATEX 2019/34/UE



PED 2019/68/UE



2014/68/UE



HELIUM LEAKAGE TEST
acc. VDI 2440



TA-LUFT
VDI 2440



acc. API 607 5th

Main features

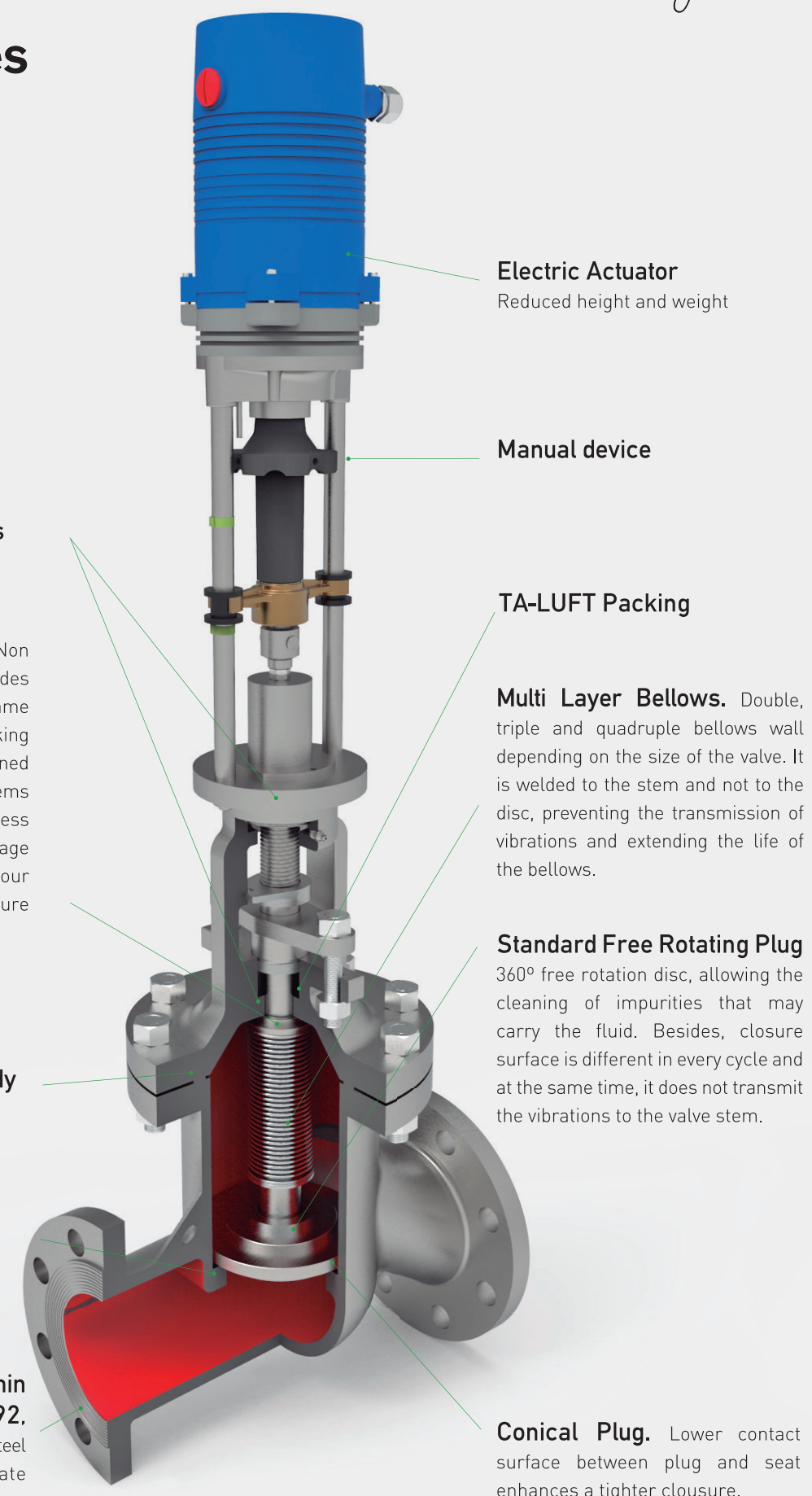
Guided stem at two points

Non Ejectable Stem. Non ejectable stems: Stem includes mechanical stop which at the same time perform the function of locking metal to metal in the opened positions and hence prevent stems from being ejected due to process pressures. Backseat avoid leakage in open position. Furthermore, our valves are equipped with pure graphite safety packings.

Tongued and grooved body and bonnet

Plug and seat hardfaced

Flange faces with thin machining acc. EN 1092, high quality carbon and stainless steel material, EN 10204 3.1 certificate available



Electric Actuator
Reduced height and weight

Manual device

TA-LUFT Packing

Multi Layer Bellows. Double, triple and quadruple bellows wall depending on the size of the valve. It is welded to the stem and not to the disc, preventing the transmission of vibrations and extending the life of the bellows.

Standard Free Rotating Plug
360° free rotation disc, allowing the cleaning of impurities that may carry the fluid. Besides, closure surface is different in every cycle and at the same time, it does not transmit the vibrations to the valve stem.

Conical Plug. Lower contact surface between plug and seat enhances a tighter closure.

Electric actuated bellows sealed globe valve

BV25065 ELE

PN40 EN 1092-1 DN15-300

Carbon steel WCB (1.0619)

Temp. -10°C to +400°C
(For temp. up to -60°C consult the manufacturer)

Working pressure acc.
EN 1092-1

Leakage acc. to
EN12266-1 Rate A

Face to face acc. to
EN558-1

Flanges acc. to
EN 1092-1 form B

Material	Carbon Steel
Body	1.0619 / ASTM - A 216 Gr.WCB
Bonnet	1.0619 / ASTM - A 216 Gr.WCB
Plug	ASTM - A 217 Gr.CA15 + 13% Cr. OVERLAY
Integral seat	ASTM - A 216 Gr.WCB [1.0619] + 13% Cr. OVERLAY
Bellow	AISI - 321
Bellow collar	ASTM - A 276 TYPE 316
Stem	ASTM - A 276 TYPE 410
Collar ring	ASTM - A 276 TYPE 410
Top collar	ASTM - A 276 TYPE 316
Gasket	SPW - SS 304 + GRAPHITE
Packing	GRAPHITE
Gland bush /Flange	1.0619 / ASTM - A 216 Gr.WCB
Gland stud & nut	ASTM - A 193 Gr.B7 / A 194 Gr.2H
Actuator	Steel

Regulating control plug on request



		WORKING CONDITIONS							
Carbon Steel	Temperature °C	-10/120	150	200	250	300	350	400	
	Pressure Bar	40	35,2	33,3	30,4	27,6	25,7	23,8	



BV25066 ELE

PN40 EN 1092-1 DN15-300

Stainless Steel CF8M (1.4408)

Temp. -60°C to +400°C
(For temp. up to -200°C consult the manufacturer)

Working pressure acc.
EN 1092-1

Leakage acc. to
EN12266-1 Rate A

Face to face acc. to
EN558-1

Flanges acc. to
EN 1092-1 form B

Material	Stainless Steel
Body	1.4408 / ASTM - A 351 Gr.CF8M
Bonnet	1.4408 / ASTM - A 351 Gr.CF8M
Plug	1.4408 / ASTM - A 351 Gr.CF8M + Stellite Gr.6
Integral seat	1.4408 / ASTM - A 351 Gr.CF8M + Stellite Gr.21
Bellow	1.4571 / AISI - 316Ti
Bellow collar	1.4401 / ASTM - A 276 TYPE 316
Stem	1.4401 / ASTM - A 276 TYPE 316
Collar ring	1.4401 / ASTM - A 276 TYPE 316
Top collar	1.4401 / ASTM - A 276 TYPE 316
Gasket	SPW - SS 316 + GRAPHITE
Packing	GRAPHITE
Gland bush /Flange	1.4408 / ASTM - A 351 Gr.CF8M
Gland stud & nut	ASTM - A193 Gr.B8M / A194 Gr.8M
Actuator	Steel

Regulating control plug on request

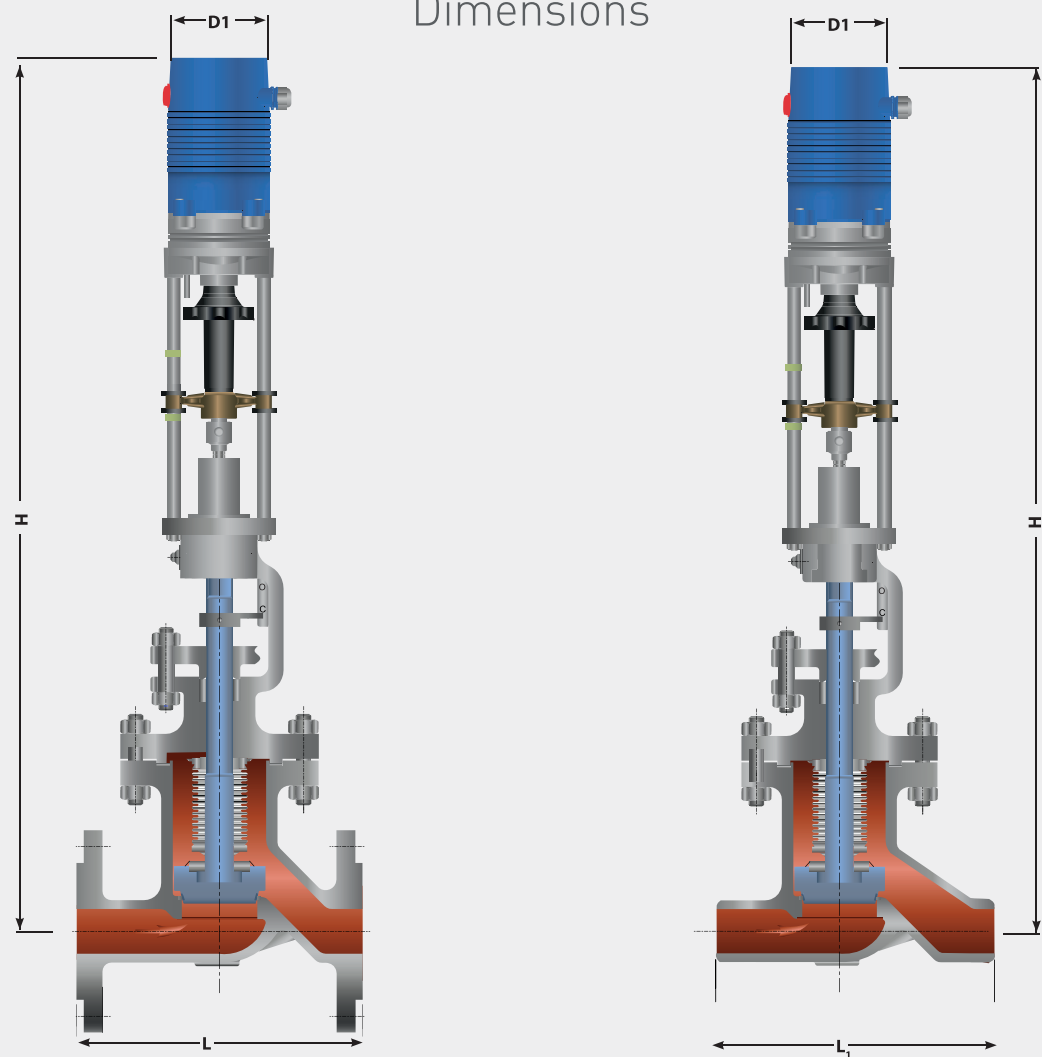


		WORKING CONDITIONS							
Stainless Steel	Temperature °C	-60/-10	-10/150	150	200	250	300	350	400
	Pressure Bar	40	40	36,3	33,7	31,8	29,7	28,5	27,4



Electric actuated bellows sealed globe valve

Dimensions



DN	L	L ₁	MC253 1922C	MC503 1922E	MC1003 1922F	MC1503 1922G	MH2503 1922L	D249 (250 N.m)	D249 LE70.1	D500 LE100.1	D1000 LE200.1
			D1: Ø135	D1: Ø135	D1: Ø135	D1: Ø135	D1: Ø250	D1: Ø360	D1: Ø360	D1: Ø529	D1: Ø579
			H	H	H	H	H	H	H	H	H
15	130	130	808	-	-	-	-	-	-	-	-
20	150	130	810	-	-	-	-	-	-	-	-
25	160	130	837	-	-	-	-	-	-	-	-
32	180	160	839	-	-	-	-	-	-	-	-
40	200	180	861	861	1076	-	-	-	-	-	-
50	230	210	887	887	1102	-	-	-	-	-	-
65	290	290	937	937	1152	1152	-	-	-	-	-
80	310	310	956	956	1176	1176	1111	-	-	-	-
100	350	350	1036	1036	1256	1256	1191	893	-	-	-
125	400	400	1098	1098	1323	1323	1258	955	-	-	-
150	480	480	1160	1160	1385	1385	1320	1017	-	-	-
200	600	600	-	1268	1493	1493	1428	1140	1140	1331	1350
250	730	730	-	-	1662	1662	1597	1308	1308	1499	1518
300	850	850	-	-	1871	1871	1806	1518	1518	1709	1728

approximate dimensions in mm

Closing pressures

DN	ACTUATOR	Closing Pressure (bar g)
15	MC253 1922C	40
20	MC253 1922C	40
25	MC253 1922C	40
32	MC503 1922E	32
40	MC253 1922C	18
40	MC503 1922E	40
40	MC1003 1922F	40
50	MC253 1922C	9
50	MC503 1922E	20
50	MC1003 1922F	36
65	MC253 1922C	6
65	MC503 1922E	14
65	MC1003 1922F	26
65	MC1503 1922G	40
80	MC253 1922C	5
80	MC503 1922E	11
80	MC1003 1922F	20
80	MC1503 1922G	29
80	MH2503 1922L	40
100	MC253 1922C	2,8
100	MC503 1922E	6
100	MC1003 1922F	11
100	MC1503 1922G	20
100	MH2503 1922L	29
100	D249 (250 N.m)	40
125	MC253 1922C	1,8
125	MC503 1922E	4
125	MC1003 1922F	7
125	MC1503 1922G	11
125	MH2503 1922L	18

DN	ACTUATOR	Closing Pressure (bar g)
125	D249 (250 N.m)	40
150	MC253 1922C	1,2
150	MC503 1922E	2,6
150	MC1003 1922F	5
150	MC1503 1922G	7
150	MH2503 1922L	12
150	D249 (250 N.m)	29
200	MC503 1922E	1,5
200	MC1003 1922F	2,7
200	MC1503 1922G	4
200	MH2503 1922L	7
200	D249 (250 N.m)	16
200	D249 LE70.1	17
200	D500 LE100.1	34
200	D1000 LE200.1	40
250	MC1003 1922F	1,7
250	MC1503 1922G	2,5
250	MH2503 1922L	4
250	D249 (250 N.m)	10
250	D249 LE70.1	11
250	D500 LE100.1	21
250	D1000 LE200.1	36
300	MC1003 1922F	1,2
300	MC1503 1922G	1,8
300	MH2503 1922L	3
300	D249 (250 N.m)	7
300	D249 LE70.1	8
300	D500 LE100.1	16
300	D1000 LE200.1	26

Electric actuators

ACTUATOR INFORMATION		ACTUATOR ACCESSORIES
Type	Linear actuator with modern microprocessor technology, variably adjustable, universal to use with automatic self-calibration on start-up.	Mechanical position switches
Stroke Indicator	Mechanical position indicator	Digital stroke indicator
HandWheel		Power Supply 24V DC or 115V AC
Protective Insulation	Improved protection with insulation class, 230V AC requires no protective conductor	Output signal X 0...20mA or X 4...20mA
Electrical Connection	Power supply 24V AC or 230V AC, 50-60 Hz, with terminals MC15 with cable.	
Input signal	Y 0(2)...10V DC / 0(4)...20mA or Control 3-point (3-P)	
Output Signal	X 0...10V DC	



www.thebellowssealedvalve.com
www.bvalve.es · export@bvalve.es