

# Electric actuated bellows sealed valves

# PN40 DIN

Maximum operating pressure 6 bar

## MATERIALS

N°	COMPONENT	CARBON STEEL VALVE MATERIALS	STAINLESS STEEL VALVE MATERIALS
1	Body	1.0619 / ASTM - A 216 Gr.WCB	1.4408 / ASTM - A 351 Gr.CF8M
2	Bonnet	1.0619 / ASTM - A 216 Gr.WCB	1.4408 / ASTM - A 351 Gr.CF8M
3	Plug	ASTM - A 217 Gr.CA15 + 13% Cr. OVERLAY	1.4408 / ASTM - A 351 Gr.CF8M + Stellite Gr.6
4	Integral seat	ASTM - A 216 Gr.WCB ( 1.0619 ) + 13% Cr. OVERLAY	1.4408 / ASTM - A 351 Gr.CF8M + Stellite Gr.21
5	Bellow	AISI - 321	1.4571 / AISI - 316Ti
6	Bellow collar	ASTM - A 276 TYPE 316	1.4401 / ASTM - A 276 TYPE 316
7	Stem	ASTM - A 276 TYPE 410	1.4401 / ASTM - A 276 TYPE 316
8	Collar ring	ASTM - A 276 TYPE 410	1.4401 / ASTM - A 276 TYPE 316
9	Top collar	ASTM - A 276 TYPE 316	1.4401 / ASTM - A 276 TYPE 316
10	Gasket	SPW - SS 304 + GRAPHITE	SPW - SS 316 + GRAPHITE
11	Packing	GRAPHITE	GRAPHITE
12	Gland bush /Flange	1.0619 / ASTM - A 216 Gr.WCB	1.4408 / ASTM - A 351 Gr.CF8M
13	Fastener	ASTM - A 193 Gr.B7 / A 194 Gr.2H	ASTM - A193 Gr.B8M / A194 Gr.8M
14	Gland stud & nut	ASTM - A 193 Gr.B7 / A 194 Gr.2H	ASTM - A193 Gr.B8M / A194 Gr.8M
15	Guide plate/Indicator	CARBON STEEL	1.4408 / ASTM - A 351 Gr.CF8M
16	Actuator	Steel	Steel

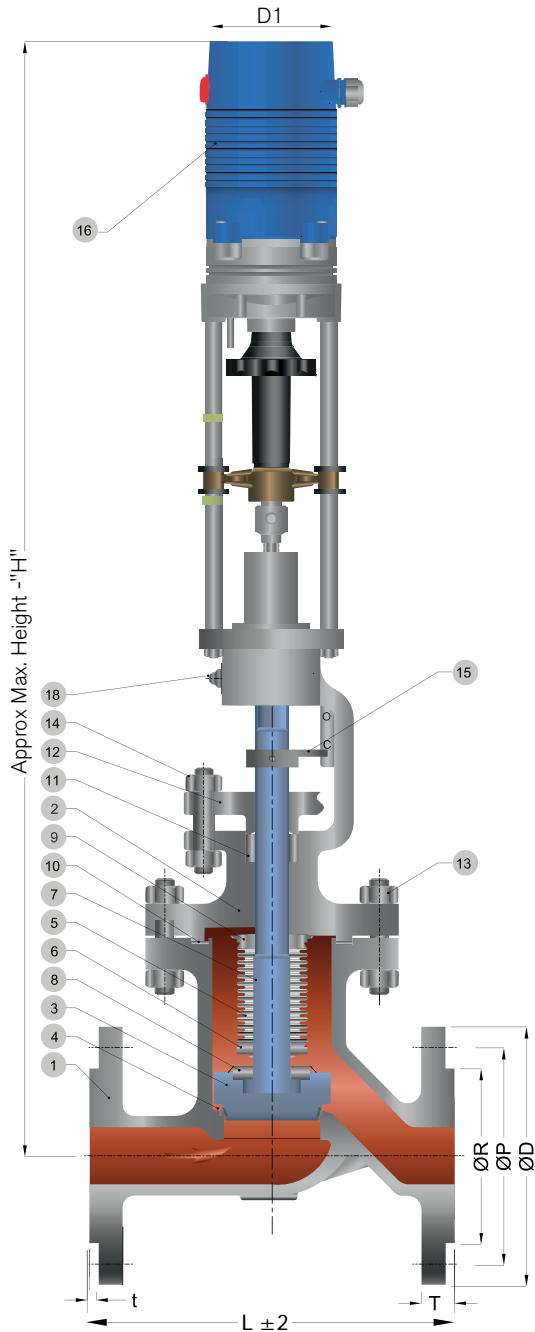
## CLOSING PRESSURES

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

## 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	
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



# BV25065 ELE

Carbon St. WCB (1.0619)

PN40 EN 1092-1

Temperature min. -10°C

(For temp. up to -60°C consult the manufacturer)

Temperature max. +400°C

# BV25066 ELE

Stainless St. CF8M (1.4408)

PN40 EN 1092-1

Temperature min. -60°C

(For temp. up to -200°C consult the manufacturer)

Temperature max. +400°C

ZERO LEAKAGE

DIN: Rate A acc. EN12266-1

Face to face acc. to EN558-1

Flanges acc. to EN 1092-1 form B

Testing pressure in bar

Hydro	Body	60
	Seat	44
Air	Seat	07



PED 2019/68/UE



HELIUM LEAKAGE TEST  
acc. VDI 2440



TA-LUFT  
VDI 2440



2014/68/UE



ATEX 2019/34/UE



acc. API 607 5th

## DIMENSIONS

DN	ØD (outer flange diameter)	ØP (Bolt circle)	ØR	T (FGL- THK)	t	HOLE / Ø	L (Face to face)	STROKE	Weight (Kg)	MC253 1922C D1: Ø135	MC503 1922E D1: Ø135	MC1003 1922F D1: Ø135	MC1503 1922G D1: Ø135	MH2503 1922L D1: Ø250	D249 (250 N.m) D1: Ø360	D249 LE70.1 D1: Ø360	D500 LE100.1 D1: Ø529	D1000 LE200.1 D1: Ø579
15	95	65	45	16	2	4/Ø14	130	4	8.5	808	-	-	-	-	-	-	-	-
20	105	75	58	18	2	4/Ø14	150	5	9.5	810	-	-	-	-	-	-	-	-
25	115	85	68	18	2	4/Ø14	160	6.5	11.5	837	-	-	-	-	-	-	-	-
32	140	100	78	18	2	4/Ø18	180	8	17.0	839	-	-	-	-	-	-	-	-
40	150	110	88	18	3	4/Ø18	200	10	19.0	861	861	1076	-	-	-	-	-	-
50	165	125	102	20	3	4/Ø18	230	13	21.5	887	887	1102	-	-	-	-	-	-
65	185	145	122	22	3	8/Ø18	290	16,5	33.5	937	937	1152	1152	-	-	-	-	-
80	200	160	138	24	3	8/Ø18	310	20	45.0	956	956	1176	1176	1111	-	-	-	-
100	235	190	162	24	3	8/Ø22	350	25	61.5	1036	1036	1256	1256	1191	893	-	-	-
125	270	220	188	26	3	8/Ø26	400	32	102.0	1098	1098	1323	1323	1258	955	-	-	-
150	300	250	218	28	3	8/Ø26	480	38	122.0	1160	1160	1385	1385	1320	1017	-	-	-
200	375	320	285	34	3	12/Ø30	600	51	222.0	-	1268	1493	1493	1428	1140	1140	1331	1350
250	450	385	345	38	3	12/Ø33	730	64	362.0	-	-	1662	1662	1597	1308	1308	1499	1518
300	515	450	410	42	4	16/Ø33	850	75	533.0	-	-	1871	1871	1806	1518	1518	1709	1728

approximate dimensions in mm