

# Pneumatic actuated bellows sealed valves

# PN40 DIN

Maximum operating pressure 6 bar

## MATERIALS

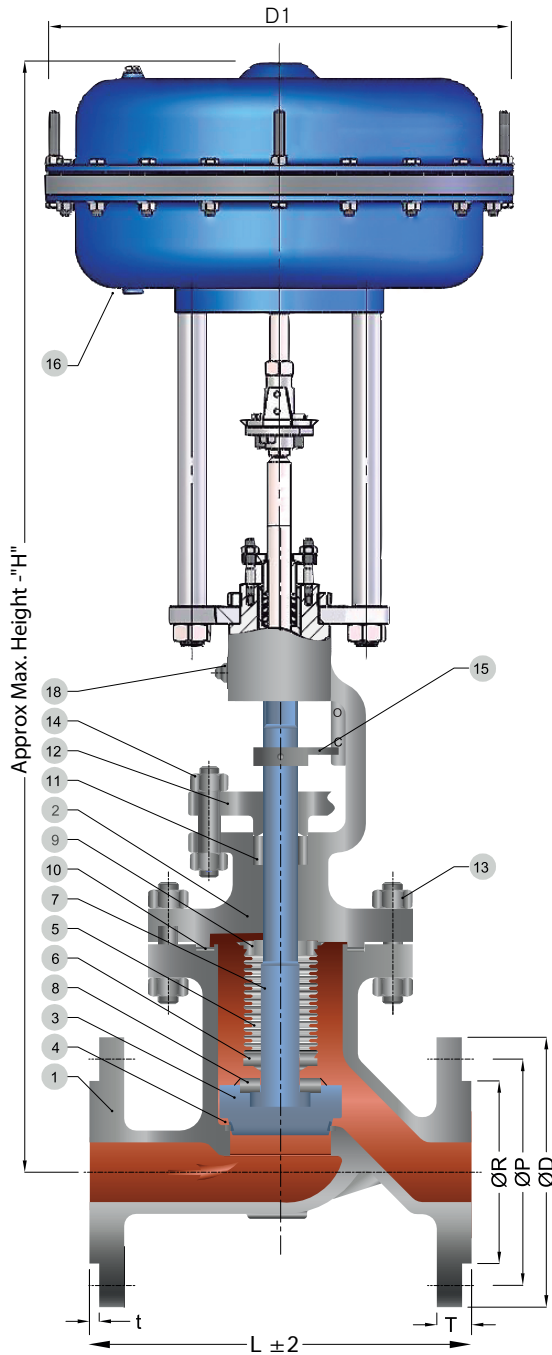
N°	COMPONENT	CARBON STEEL VALVE MATERIALS	STAINLESS STEEL VALVE MATERIALS
1	Body	1.0619 / ASTM - A 216 Gr.WCB	1.4408 / ASTM - A 351 Gr.CF8M
2	Bonnet	1.0619 / ASTM - A 216 Gr.WCB	1.4408 / ASTM - A 351 Gr.CF8M
3	Plug	ASTM - A 217 Gr.CA15 + 13% Cr. OVERLAY	1.4408 / ASTM - A 351 Gr.CF8M + Stellite Gr.6
4	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

PNEUMATIC ACTUATORS					
DN	ACTUATOR	Closing Pressure (bar g)	DN	ACTUATOR	Closing Pressure (bar g)
15	AMA PA35 B6 6S FC	40	100	AMA MA41 A6 14S FC	37
20	AMA PA35 B6 6S FC	40	125	AMA PA60 A6 5S FC	2
25	AMA PA35 B6 6S FC	40	125	AMA MA41 A6 8S FC	8
32	AMA PA35 B6 6S FC	40	125	AMA MA41 A6 14S FC	18,5
40	AMA PA35 B6 6S FC	40	125	AMA MA60 G6 16S FC	35
50	AMA PA35 B6 6S FC	22,6	150	AMA PA60 A6 5S FC	1
50	AMA PA60 A6 5S FC	40	150	AMA MA41 A6 14S FC	11,5
65	AMA PA35 B6 6S FC	11,3	150	AMA MA41 C6 04S FC	13,5
65	AMA PA60 A6 5S FC	31,6	150	AMA MA60 G6 16S FC	23
65	AMA MA41 A6 8S FC	40	150	AMA MA60 D6 8S FC	36
80	AMA PA35 B6 6S FC	6,9	200	AMA MA41 B6 14S FC	4,5
80	AMA PA60 A6 5S FC	20,4	200	AMA MA41 C6 04S FC	6,5
80	AMA MA41 A6 8S FC	30,6	200	AMA MA60 G6 16S FC	10
80	AMA MA41 A6 14S FC	40	200	AMA MA60 D6 8S FC	15,5
100	AMA PA35 B6 6S FC	5,5	250	AMA MA41 C6 04S FC	2,5
100	AMA PA60 A6 5S FC	10,5	250	AMA MA60 D6 8S FC	9
100	AMA MA41 A6 8S FC	21	300	AMA MA60 D6 8S FC	5

## 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 AMA

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 AMA

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



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)	Act: AMA PA35 B6 D1: Ø210 H	Act: AMA PA60 A6 D1: Ø310 H	Act: AMA MA41 A6 D1: Ø420 H	Act: AMA MA41 B6 D1: Ø420 H	Act: AMA MA41 C6 D1: Ø420 H	Act: AMA MA60 D6 D1: Ø600 H	Act: AMA MA60 G6 D1: Ø600 H
15	95	65	45	16	2	4/Ø14	130	4	8.5	513	-	-	-	-	-	-
20	105	75	58	18	2	4/Ø14	150	5	9.5	515	-	-	-	-	-	-
25	115	85	68	18	2	4/Ø14	160	6.5	11.5	542	-	-	-	-	-	-
32	140	100	78	18	2	4/Ø18	180	8	17.0	544	-	-	-	-	-	-
40	150	110	88	18	3	4/Ø18	200	10	19.0	566	-	-	-	-	-	-
50	165	125	102	20	3	4/Ø18	230	13	21.5	592	635	-	-	-	-	-
65	185	145	122	22	3	8/Ø18	290	16,5	33.5	642	685	756	-	-	-	-
80	200	160	138	24	3	8/Ø18	310	20	45.0	666	709	780	-	-	-	-
100	235	190	162	24	3	8/Ø22	350	25	61.5	746	789	860	-	-	-	-
125	270	220	188	26	3	8/Ø26	400	32	102.0	-	856	927	-	-	-	1.136
150	300	250	218	28	3	8/Ø26	480	38	122.0	-	918	989	-	1.192	1.394	-
200	375	320	285	34	3	12/Ø30	600	51	222.0	-	-	-	1.125	1.300	1.502	1.306
250	450	385	345	38	3	12/Ø33	730	64	362.0	-	-	-	-	1.468	1.670	-
300	515	450	410	42	4	16/Ø33	850	75	533.0	-	-	-	-	-	1.880	-

approximate dimensions in mm