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ROVAPN0032

THREE-PIECE BALL VALVES

Standard execution - 350 BA series

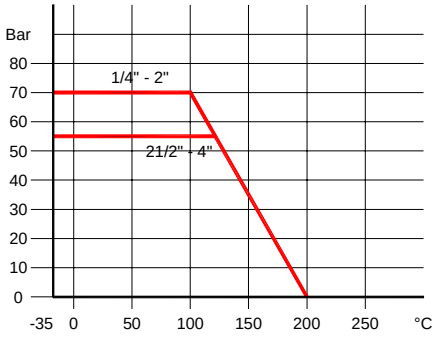
With pneumatic single acting actuator, El-O-Matic



FIGURE:
Fig. 351 BA IIT PE: female threaded BSP in acc. with DIN 2999
Fig. 352 BA IIT PE: BW in acc. with ANSI B16.11 & DIN 3239 part 2
Fig. 353 BA IIT PE: SW in acc. with ANSI B16.25 & DIN 3239 part 1
Fig. 354 BA IIT PE: female threaded NPT in acc. with ASME B1.20.1
Fig. 355 BA IIT PE: with extended ends, BW
Fig. 356 BA IIT PE: with flanges DIN PN 16
Fig. 357 BA IIT PE: with flanges ANSI 150 Lbs

CHARACTERISTICS:
- Full bore
- Locking device
- Mounting flange in acc. with ISO 5211
- Anti-blow out stem
- Chevron packing
- DIN 50.049.3.1.B certificates available on request

PRESSURE-TEMPERATURE DIAGRAM



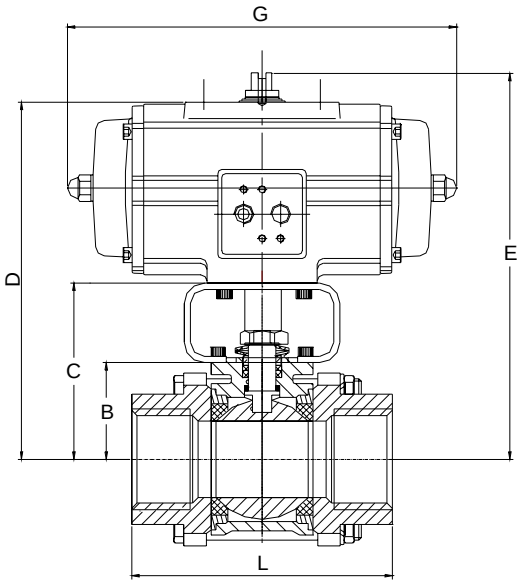
MATERIALS:
Body and flanges in stainless steel ASTM A351 CF8M
Ball and stem in stainless steel AISI 316
PTFE seats

CONNECTION: see above

OPERATION:
Pneumatic single acting actuator type PE, calculated with a pilot pressure of 5 bar with a safety factor of 25% and max. differential pressure.

OPTIONS: Limit switches and proximity switches, solenoid valves, manual override ....

DIMENSIONS: (in mm)



DN	Ø	PE	L	LE	LF	B	C	D	E
8	1/4"	25	63,7	225	-	29,5	69,5	149,5	169,5
10	3/8"	25	63,7	225	-	29,5	69,5	149,5	169,5
15	1/2"	25	65,7	225	130	29,5	69,5	149,5	169,5
20	3/4"	25	76,2	225	150	33	73	153	173
25	1	40	86,2	245	160	40	80	173	193
32	11/4"	40	102,8	255	180	41	81	174	194
40	11/2"	65	119,4	260	200	47,5	87,5	192,5	212,5
50	2"	100	131,4	275	230	55	105	223	243
65	21/2"	200	164	334	290	75	135	278	298
80	3"	200	182,7	354	310	85	145	288	308
100	4"	350	235,6	365	350	108	168	349	369

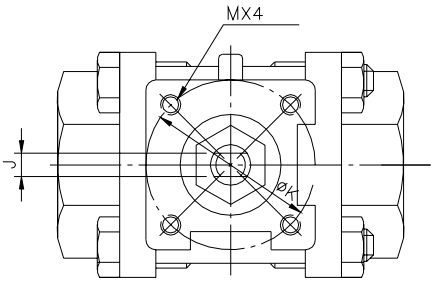
LE: fig. 355 BA IITPE
LF: fig. 356 BA IIT PE and 357 BA IIT PE

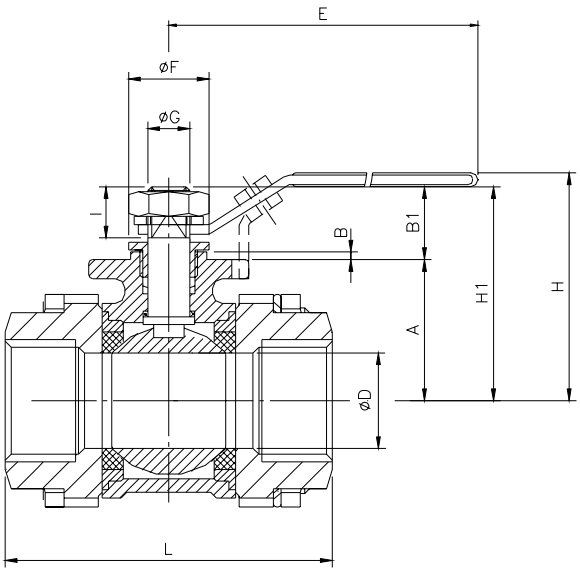
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TREE-PIECE BALL VALVES

Standard execution - 350 BA series





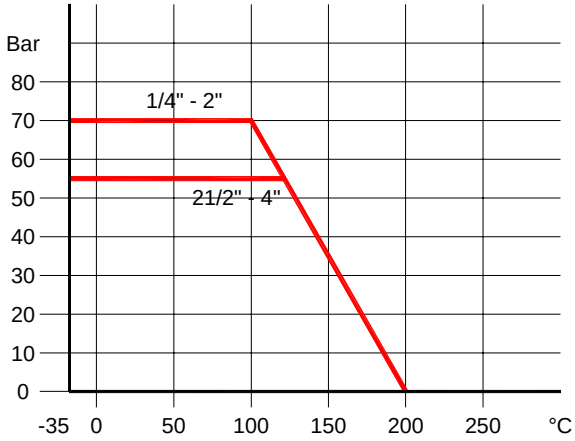
DIMENSIONS AND WEIGHT: (dimensions in mm.)

Diam.	ØD	B	B1	A	E	ØF	ØG	H	H1	I	J	ØK	M	Nm	Kg.	ISO
1/4”	11,6	2	20,5	29,5	130	25	9,5	65	50	11,5	6,5	36	M5	4	0,40	F03
3/8”	12,7	2	20,5	29,5	130	25	9,5	65	50	11,5	6,5	36	M5	4	0,38	F03
1/2”	15	2	20,5	29,5	130	25	9,5	65	50	11,5	6,5	36	M5	4	0,56	F03
3/4”	20	2	20,5	33	130	25	9,5	68	53,5	11,5	6,5	36	M5	5	0,75	F03
1”	25	2	25,5	40	165	30	11	71	65,5	15	8	42	M5	9	1,08	F04
11/4”	32	2	25,5	41	165	30	11	78	66,5	15	8	42	M5	9	1,73	F04
11/2”	38	2	27,1	47,5	190	35	14	86	74,6	15,6	9,7	50	M6	17	2,56	F05
2”	50	2	27,1	55	190	35	14	95	82,1	15,6	9,7	50	M6	25	3,20	F05
21/2”	65	2	34,6	75	250	55	19	130	130,1	24,5	12	70	M8	25	7,35	F07
3”	80	2	34,6	85	250	70	19	148	135,4	24,5	12	102	M10	29	11,21	F10
4”	100	2	38,7	108	280	70	19	173	146,7	24,5	15	102	M10	50	20,3	F10

TORQUE - KV- VALUE

DN	Ø	Nm	Cv	Kv
8	1/4”	7	8	7
10	3/8”	7	8	7
15	1/2”	7	12	11
20	3/4”	8	32	28
25	1”	14	56	49
32	11/4”	16	82	71
40	11/2”	26	120	104
50	2”	34	240	209
65	21/2”	56	320	278
80	3”	78	580	505
100	4”	124	1020	887

PRESSURE-TEMPERATURE DIAGRAM



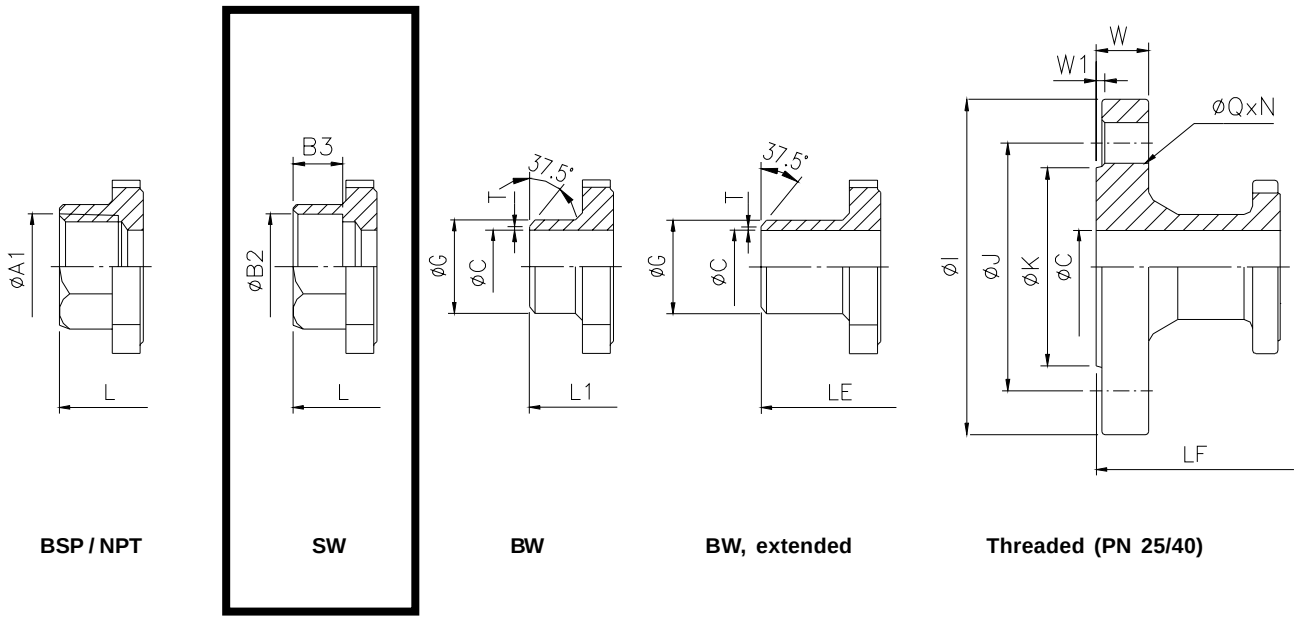
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THREE-PIECE BALL VALVES

Standard execution - 350 BA series



BSP / NPT | **SW** | **BW** | **BW, extended** | **Threaded (PN 25/40)**

DIMENSIONS: (in mm.)

Diam.	ØA1	ØB2	B3	ØC	ØI	ØJ	ØK	L	L1	ØG	LE	LF	T	ØQ	N	W	W1
1/4"	NPT	14,1	10	11,6				63,7	62,7	16,2	225		1,6				
3/8"		17,6	10	12,7				63,7	62,7	17,5	225		1,6				
1/2"	PT	21,7	10	15	95	65	45	65,7	65,7	22,7	225	130	1,6	14	4	16	2
3/4"	DIN	27,3	13	20	105	75	58	76,2	76,2	27,5	225	150	1,6	14	4	18	2
1"	259	34,1	13	25	115	85	68	86,2	86,2	34	245	160	1,6	14	4	18	2
11/4"		42,8	13	32	140	100	78	102,8	102,8	42,7	225	180	1,6	18	4	18	2
	DIN																
11/2"	2999	48,7	13	38	150	110	88	119,4	119,4	48,6	260	200	1,6	18	4	18	3
2"		61,0	16	50	165	125	102	131,4	131,4	60,5	275	230	1,6	18	4	20	3
21/2"	ISO	ANSI 73,5 PN 76,5	16	65	185	145	122	164	164	76,3	334	290	2	18	8	22	3
	228																
3"		90	16	80	200	160	138	182,7	182,7	90	354	310	2	18	8	24	3
4"	BSP	115,2	20	100	235	190	162	235,6	236,2	116	365	350	3,5	22	8	24	3

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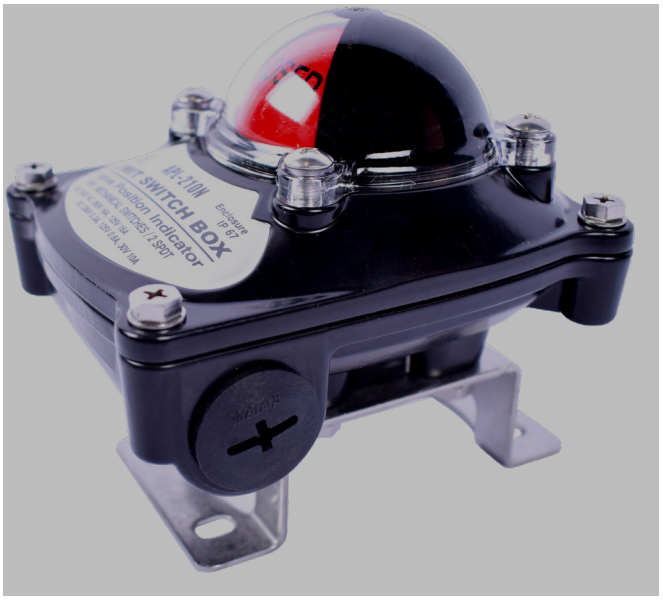
Valves Belgium N.V.

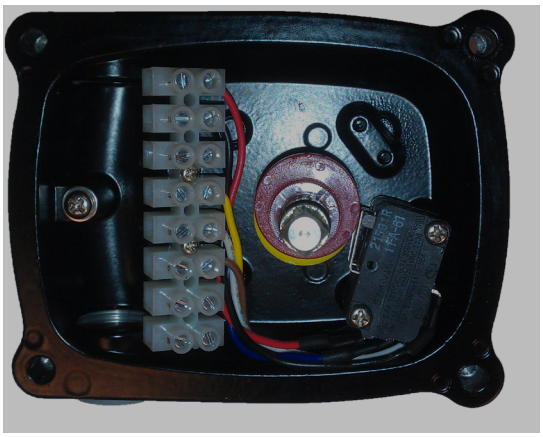
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LIMIT SWITCH
FIG. SBM351C

GENERAL FEATURES:

- Aluminium die-casting housing coated with powder
- 2 mechanical switches SPDT (3 wires) type V3-900, potential free
- Voltage: max. 240 VAC - 16 A, 24 VDC - 10A
- Dual cable entries: 2x M20
- Terminal Strips: 8 points (0,08 - 2,5 mm²)
  (connection to solenoid valve possible)
- Enclosure: weatherproof IP67
- Temperature: -20°C ~ 80°C
- Easy mounting: Namur standard stainless steel shaft and bracket

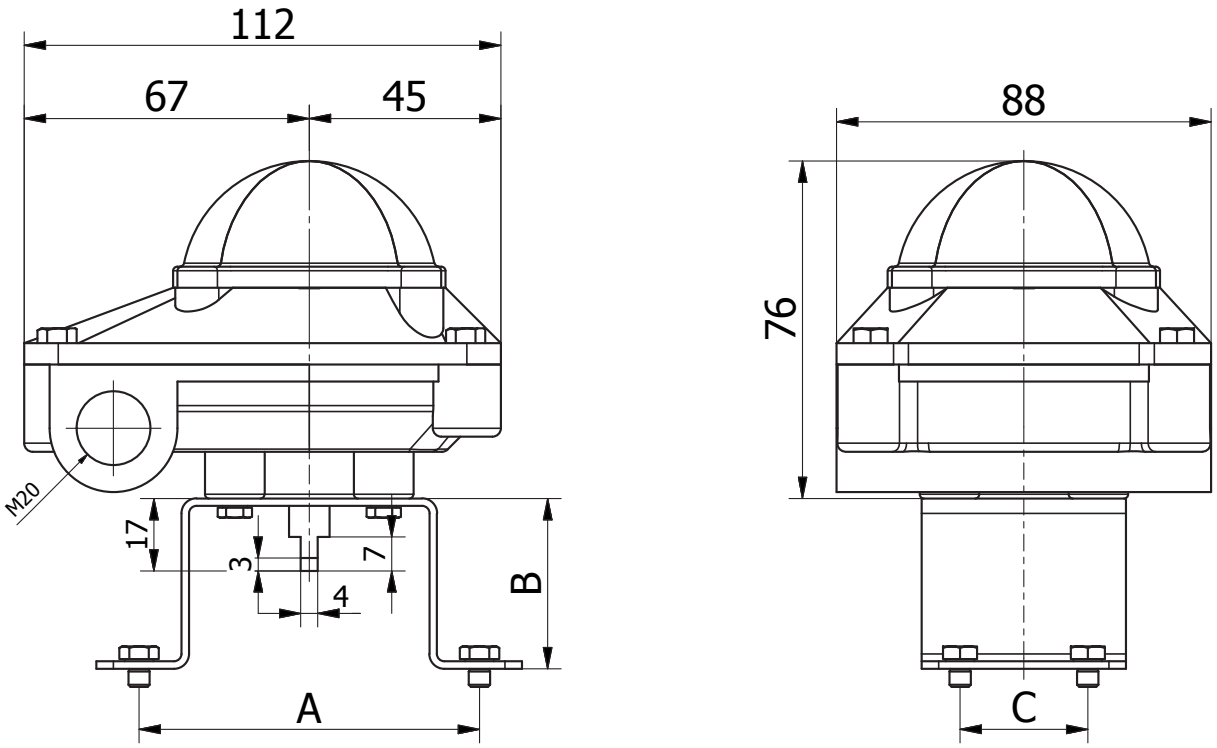




Mechanical

Subject to changes

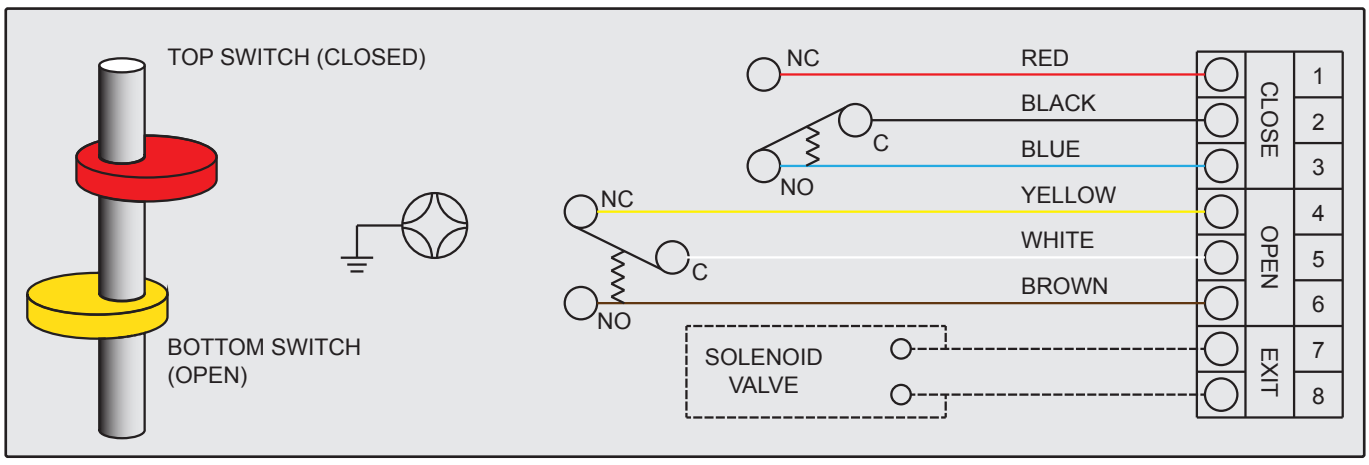
LIMIT SWITCH
FIG. SBM351C - Dimensions



DIMENSIONS: (mm)

Type	Config.	A	B	C	Kg
SBM351C	80H20	80	30	30	0,6
SBM351C	80H30	80	40	30	0,8
SBM351C	130H30	130	40	30	0,8

WIRING:



Subject to changes