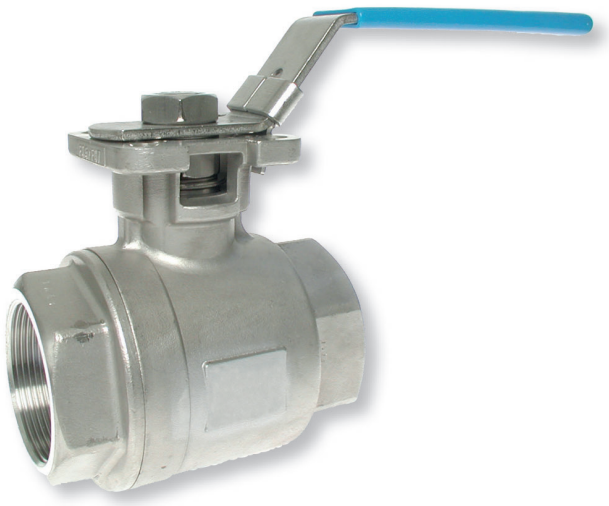
TWO-PIECE BALL VALVE
FIG. 231BAIIT/232BAIIT

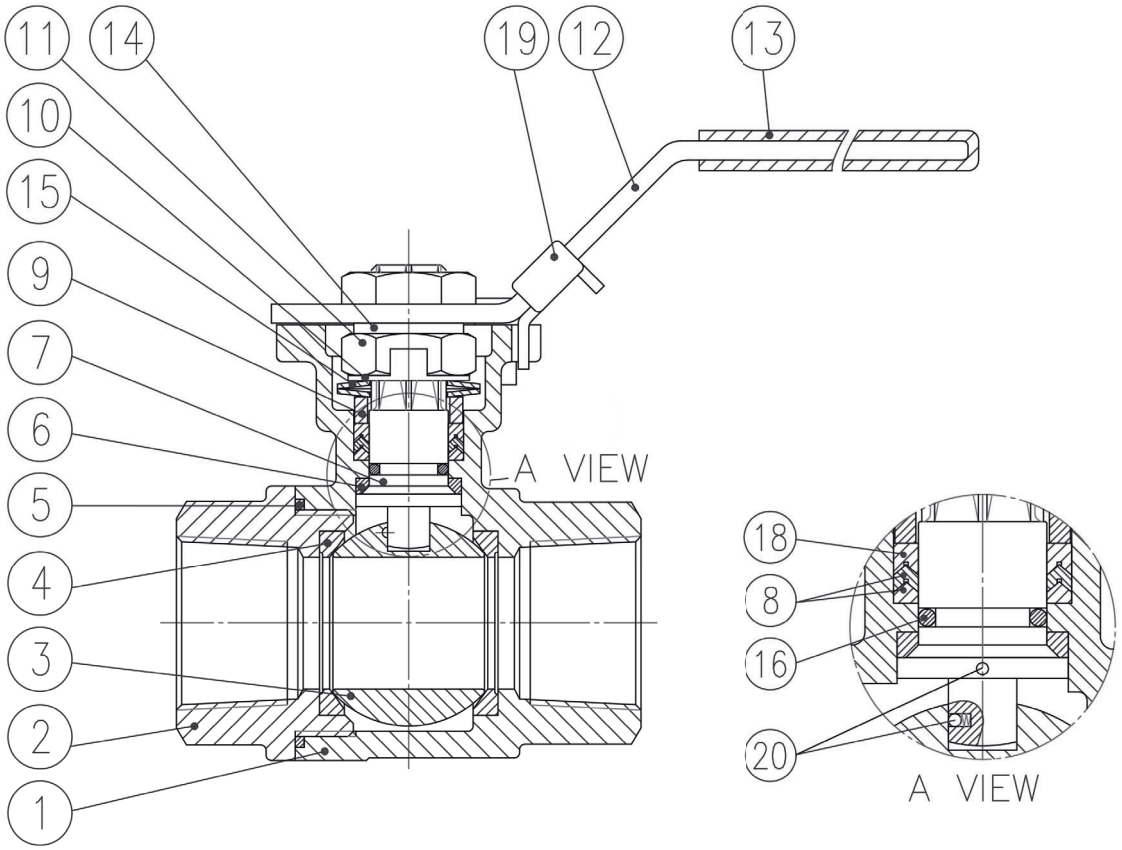
GENERAL FEATURES:
- 2-piece ball valve threaded
- Full bore
- Direct mounting according to ISO 5211
- Antistatic device, locking device
- Blow-out proof stem
- Max. working pressure: 1000 psi, 69 bar
- CE approval: PED 2014/68/EC

FIGURE:
231BAIIT: BSP acc. to ISO 228-1
232BAIIT: NPT acc. to ASME B1.20.1



DESIGN STANDARDS	
Compliance	ANSI B16.34, ANSI B16.25, ANSI B1.20, API 6D
Actuator mounting flange	ISO 5211 direct mounting
TESTS AND CERTIFICATES	
Quality Assurance	ISO 9001
Material certificate	EN 10204-3.1
Pressure test	API 598, BS 6755 Part 1

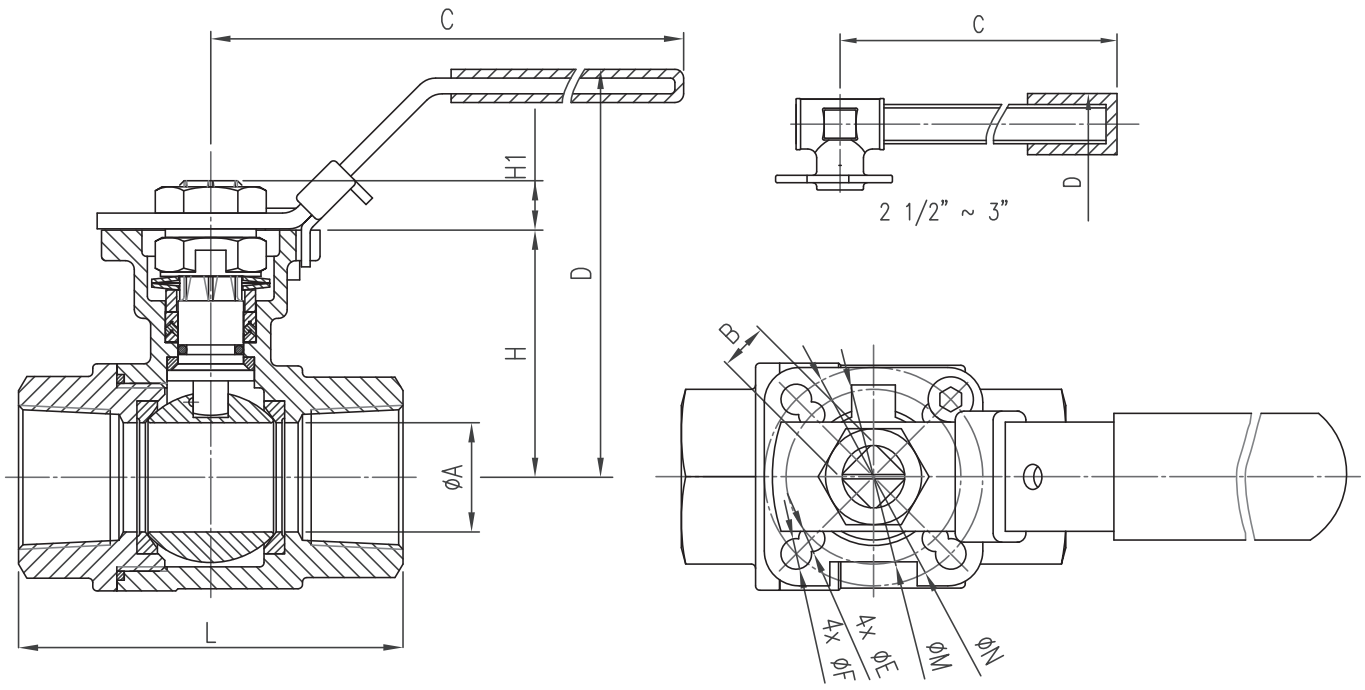
Subject to changes



Item	Description	Materials
1	Body	Stainless steel CF8M
2	End cap	Stainless steel CF8M
3	Ball	Stainless steel CF8M (1/2" ~ 2" ASTM A 316)
4	Seat	PTFE
5	Joint gasket	PTFE
6	Stem seal	PTFE + 15% glassfiber
7	Stem	Stainless steel AISI 316
8	Gland packing	PTFE, chevron
9	Gland bush	Stainless steel AISI 304
10	Stop washer	Stainless steel AISI 304
11	Stem nut	Stainless steel AISI 304
12	Handle	Stainless steel AISI 304
13	Handle sleeve	Vinyl
14	Stem washer	Stainless steel AISI 304
15	Belleville washer	Stainless steel AISI 301
16	O-ring	Viton
18	Gland packing	RPTFE (25% carbon filled)
19	Locking device	Stainless steel AISI 304
20	Antistatic device	Stainless steel AISI 316

Subject to changes

TWO-PIECE BALL VALVE
Dimensions

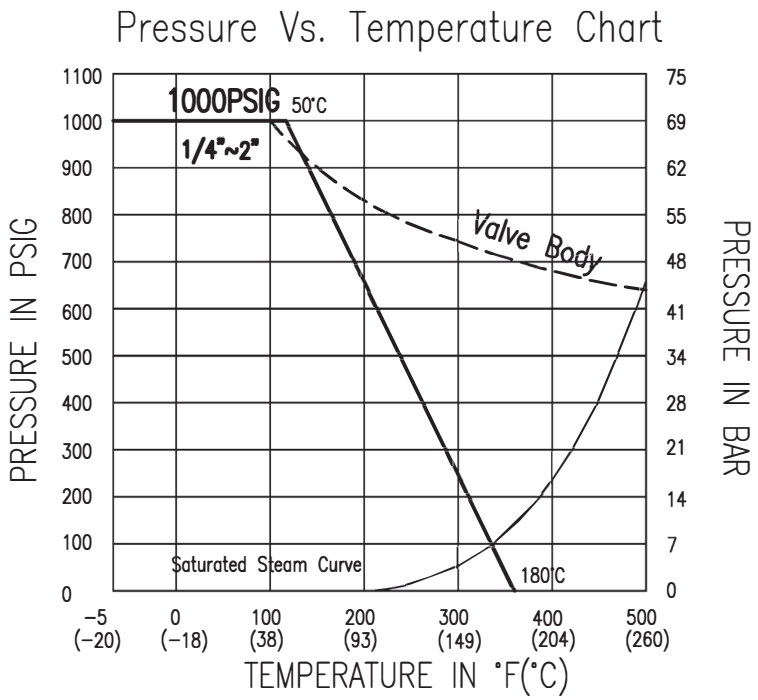


DIMENSIONS: (mm)

Ø	ØA	B	C	D	ØE	ØF	H	H1	L	ØM	ØN	ISO 5211
1/4"	11,5	9	139	74	6,0	6	38,6	6,6	65,0	36	42	F03/F04
3/8"	12,5	9	139	74	6,0	6	38,6	6,6	65,0	36	42	F03/F04
1/2"	15,0	9	139	74	6,0	6	38,6	6,6	65,0	36	42	F03/F04
3/4"	20,0	9	139	82	6,0	6	46,1	7,1	74,6	36	42	F04/F05
1"	25,0	11	165	96	6,0	7	56,6	10,9	88,0	42	50	F04/F05
11/4"	32,0	11	165	100	6,0	7	61,0	10,9	102,0	42	50	F04/F05
11/2"	38,0	14	215	127	7,5	9	77,5	13,9	110,0	50	70	F05/F07
2"	50,0	14	215	134	7,5	9	85,2	13,9	125,0	50	70	F05/F07
21/2"	65,0	17	263	167	10,0	12	108,7	16,8	178,0	70	102	F07/F10
3"	80,0	17	313	175	10,0	12	117,4	18,1	178,0	70	102	F07/F10

Subject to changes

PRESSURE-TEMPERATURE CHART:



Kv VALUES, BREAK AWAY TORQUE*:

Ø	DN	Kv (m³/h)	T (Nm)
1/4"	8	7	5
3/8"	10	9	5
1/2"	15	13	5
3/4"	20	29	6
1"	25	48	11
11/4"	32	72	14
11/2"	40	106	20
2"	50	213	28
21/2"	65	272	42
3"	80	493	67

*Torques at 0 bar working pressure

Subject to changes