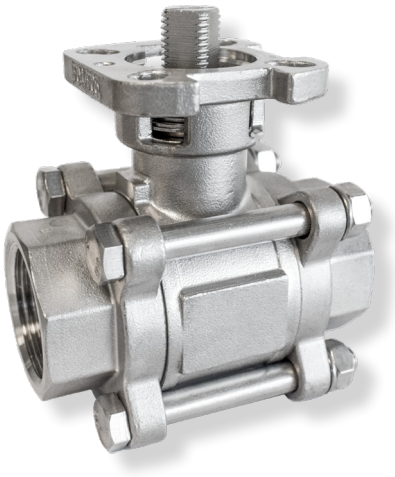
THREE-PIECE BALL VALVE
370 SERIES

GENERAL FEATURES:

- Full bore, delivered as standard without lever
- Locking device
- Mounting flange according to ISO 5211
- Anti-blow out stem
- Antistatic device
- Ball with cavity balancing hole
- CE approval and EN 10204-3.1 material certificate
- Food approved version on demand
- Working pressure: - 1000 PSI (1/4" ~ 2")
  - 800 PSI (21/2" ~ 4")

FIGURE:

371BAIIRS: BSP according to ISO 228-1
372BAIIRS: BW according to ANSI B16.25 & DIN 3239 part 1
373BAIIRS: SW according to ANSI B16.11 & DIN 3239 part 2
374BAIIRS: NPT according to ASME B1.20.1
375BAIIRS: Extended BW according to ANSI B16.11 & DIN 3239 part 2
376BAIIRS: Flanged PN25 / PN40

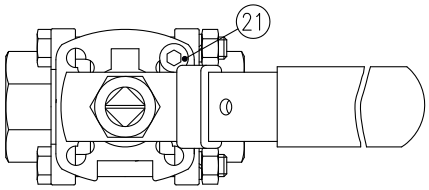


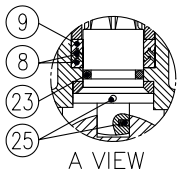
TÜV
TA Luft

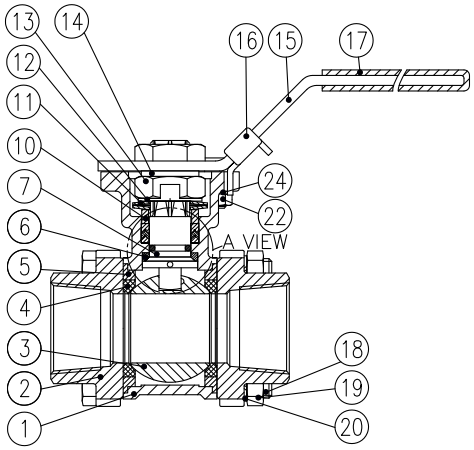
EC 1935/2004

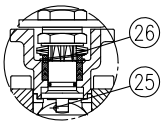
DESIGN STANDARDS	
Compliance	ANSI B16.34, ANSI B16.25, ANSI B1.20, API 6D, BS 5351, DIN 259, DIN 2999, ISO 228-1, DIN 3357, MSS SP25
Actuator mounting flange	ISO 5211
Marking	ISO 5209, EN 19
TESTS AND CERTIFICATES	
Quality Assurance	ISO 9001
Food approval	EU-Food
Material certificate	EN 10204-3.1
Pressure test	API 598

Subject to changes

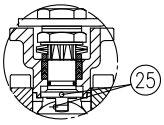








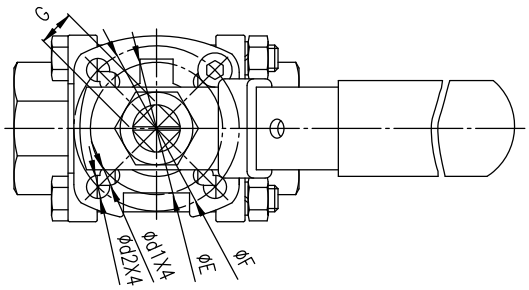
1/4" ~ 1/2"

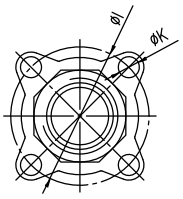


3/4" ~ 4"

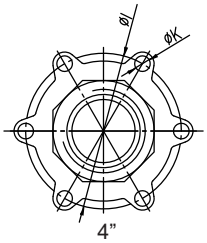
Item	Description	Materials
1	Body	A351 Gr CF8M
2	End cap	A351 Gr CF8M
3	Ball	Stainless steel CF8M (1/2" ~ 2" ASTM A 316)
4	Seat	PTFE + 15% GF
5	Joint gasket	PTFE
6	Stem seal	PTFE + 15% GF
7	Stem	Stainless steel 316
8	Stem packing	PTFE
9	Stem packing	PTFE + 25% glassfiber
10	Gland nut	Stainless steel 304
11	Belleville washer	Stainless steel 301
12	Stop washer	Stainless steel 304
13	Stem nut	Stainless steel 304
14	Stem washer	Stainless steel 304
15	Lever	Stainless steel 304
16	Locking device	Stainless steel 304
17	Lever sleeve	Vinyl
18	Bolt	Stainless steel 304
19	Bolt nut	Stainless steel 304
20	Bolt washer	Stainless steel 304
21	Stop pin	Stainless steel 304
22	Pin nut	Stainless steel 304
23	O-ring	Viton
24	Washer	Stainless steel 304
25	Antistatic device	Stainless steel 316
26	Spring	Stainless steel 316

Subject to changes

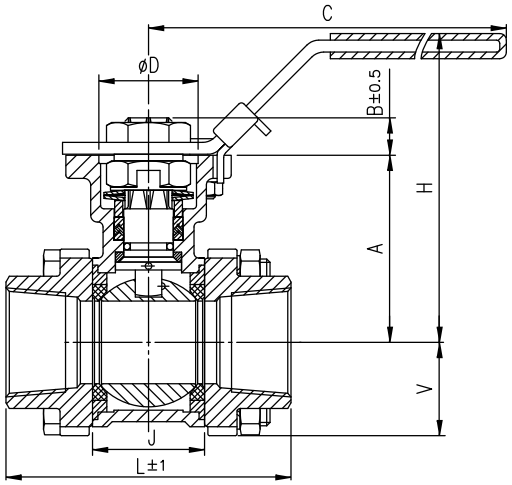




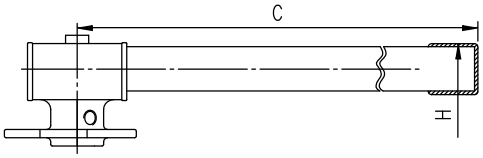
1/4" ~ 3"



4"



2 1/2" ~ 4"



DIMENSIONS: (mm)

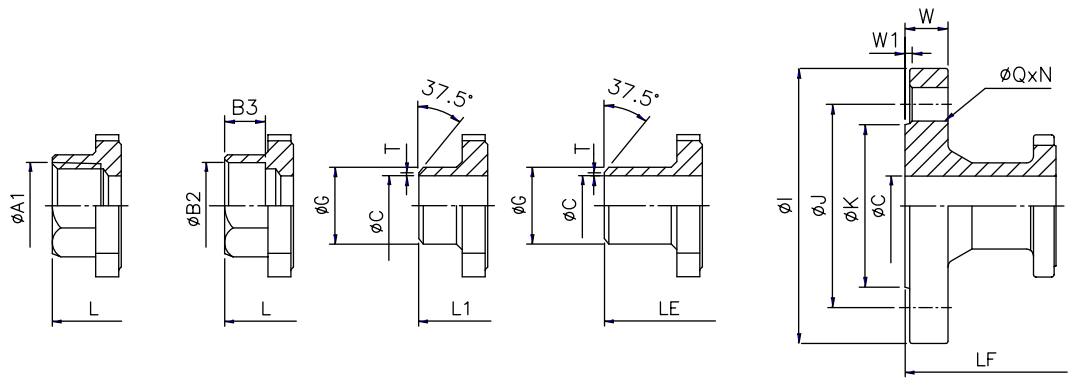
Ø	DN	A	B	C*	ØD	ØE	ØF	G	H
1/4"	8	42,1	6,1	139	25	36	42	9	77
3/8"	10	42,1	6,1	139	25	36	42	9	77
1/2"	15	42,1	6,1	139	25	36	42	9	77
3/4"	20	48,0	6,6	139	25	36	42	9	83
1"	25	56,6	10,9	165	30	42	50	11	96
1 1/4"	32	60,9	10,9	165	30	42	50	11	100
1 1/2"	40	77,5	13,9	215	35	50	70	14	127
2"	50	85,2	13,9	215	35	50	70	14	134
2 1/2"	65	108,7	16,8	300	55	70	102	17	167
3"	80	117,7	17,8	370	55	70	102	17	176
4"	100	132,6	17,8	370	55	70	102	17	192

Ø	Øl	J	ØK	L	V	d1	d2	ISO 5211	Kg
1/4"	46,0	23,6	8,5	63,7	23	6	6	F03/F04	0,6
3/8"	46,0	23,6	8,5	63,7	23	6	6	F03/F04	0,6
1/2"	46,0	23,6	8,5	65,7	23	6	6	F03/F04	0,7
3/4"	52,0	28,0	8,5	76,2	25	6	6	F03/F04	0,8
1"	60,0	33,9	8,5	86,2	28	6	7	F04/F05	1,3
1 1/4"	73,5	42,5	11,0	102,8	35	6	7	F04/F05	1,9
1 1/2"	85,5	53,2	11,8	119,4	39	8	9	F05/F07	3,2
2"	103,8	64,6	13,5	131,4	47	8	9	F05/F07	4,6
2 1/2"	130,0	87,0	15,3	164,0	59	10	12	F07/F10	9,0
3"	155,5	99,0	17,3	182,7	69	10	12	F07/F10	12,3
4"	188,0	127,0	17,3	235,6	95	10	12	F07/F10	21,5

* Delivered as standard without lever

Subject to changes

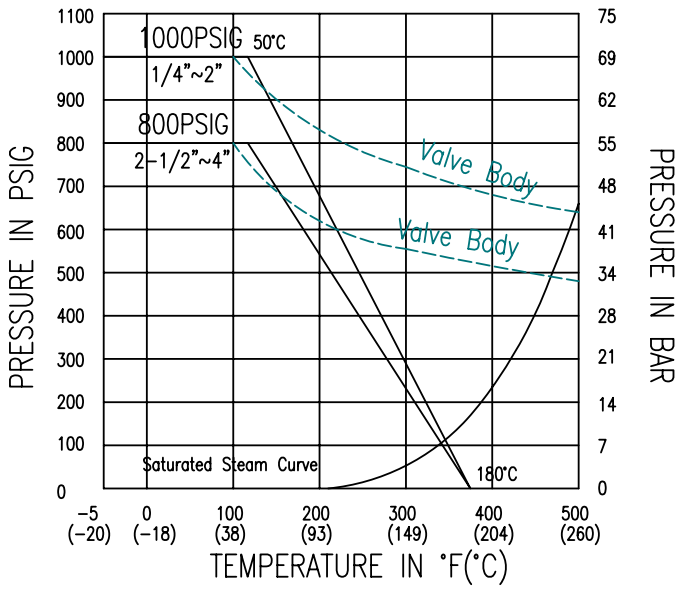
BSP / NPT SW BW BW extended Flanged PN25 / PN40 F1



DIMENSIONS: (mm)

ØA1	ØB2	B3	ØC	ØI	ØJ	ØK	L	L1	ØG	LE	LF	T	ØQ	N	W	W1
1/4"	14,3	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"	21,9	10	15,0	95	65	45	65,7	65,7	22,7	225	130	1,6	14	4	16	2
3/4"	27,3	13	20,0	105	75	58	76,2	76,2	27,5	225	150	1,6	14	4	18	2
1"	33,9	13	25,0	115	85	68	86,2	86,2	34,0	245	160	1,6	14	4	18	2
1 1/4"	42,8	13	32,0	140	100	78	102,8	102,8	42,7	255	180	1,6	18	4	18	2
1 1/2"	48,9	13	38,0	150	110	88	119,4	119,4	48,6	260	200	1,6	18	4	18	3
2"	61,3	16	50,0	165	125	102	131,4	131,4	60,5	275	230	1,6	18	4	20	3
2 1/2"	76,9	16	65,0	185	145	122	164,0	164,0	76,3	334	290	2,0	18	8	22	3
3"	90,0	16	80,0	200	160	138	182,7	182,7	90,0	354	310	2,0	18	8	24	3
4"	115,5	20	100,0	235	190	162	235,6	236,2	116,0	365	350	3,5	22	8	24	3

PRESSURE-TEMPERATURE CHART:



Kv VALUES & TORQUES:

Ø	Kv (m³/h)	T (Nm)
1/4"	7	7
3/8"	7	7
1/2"	13	7
3/4"	29	8
1"	48	14
1 1/4"	72	20
1 1/2"	106	29
2"	213	36
2 1/2"	272	59
3"	493	91
4"	867	114

Torque values with 30% safety margin
Torques are given for 0 bar

Subject to changes