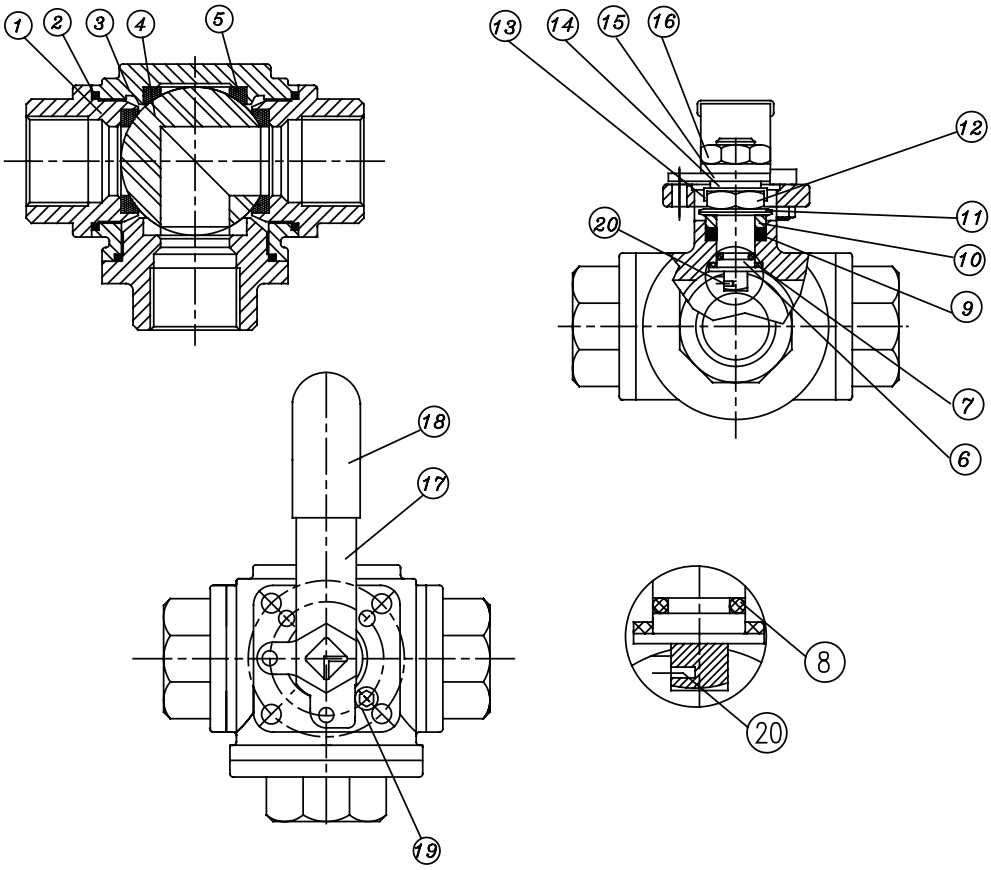
THREE-WAY BALL VALVE
1370 SERIES

GENERAL FEATURES:
- Reduced or full bore
- 90° turnable handle
- Mounting flange according to ISO 5211
- Anti-blow out stem
- Self-adjusting stem packing
- Seats in RPTFE

FIGURE:
1370T: BSP according to ISO 228-1, T-port, reduced bore
1370TI: BSP according to ISO 228-1, T-port, full bore
1372T: NPT according to ASME B1.20.1, T-port, reduced bore
1372TI: NPT according to ASME B1.20.1, T-port, full bore
1370L: BSP according to ISO 228-1, L-port, reduced bore
1370LI: BSP according to ISO 228-1, L-port, full bore
1372L: NPT according to ASME B1.20.1, L-port, reduced bore
1372LI: NPT according to ASME B1.20.1, L-port, full bore

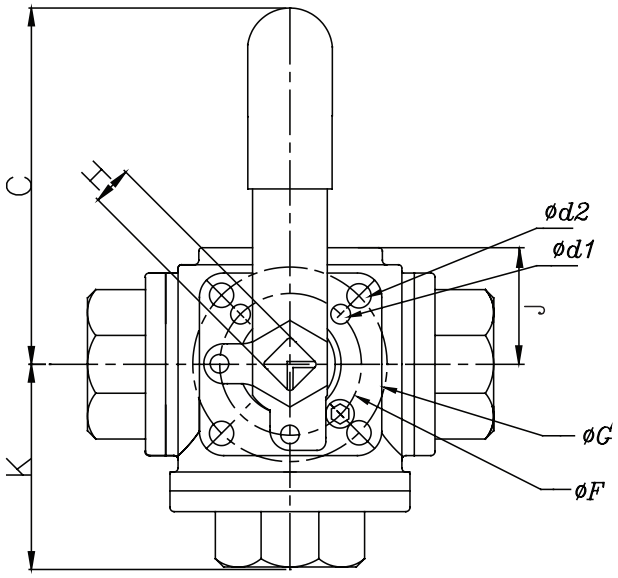
ATEX

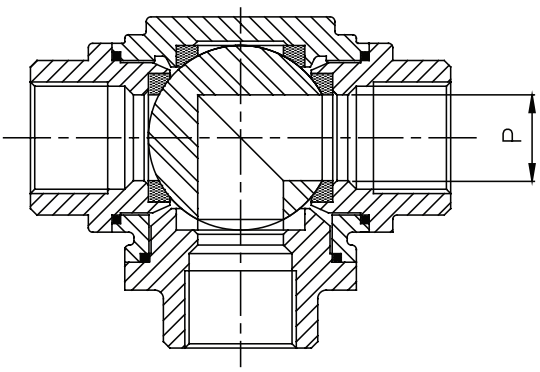
DESIGN STANDARDS	
Compliance	ANSI B16.34, ANSI B1.20, API 6D
Actuator mounting flange	ISO 5211
Marking	ISO 5209, EN 19
TESTS AND CERTIFICATES	
Quality Assurance	ISO 9001
Material certificate	EN 10204-3.1
Pressure test	API 598

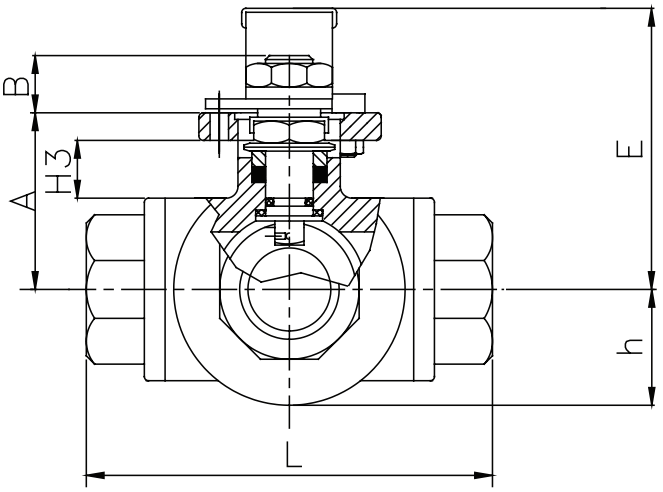


Item	Description	Materials
1	End cap	A351 Gr CF8M
2	Joint gasket	PTFE
3	Body	A351 Gr CF8M
4	Ball	Stainless steel CF8M (1/4" ~ 1/2" ASTM A 316)
5	Seat	RPTFE
6	Stem	Stainless steel 316
7	Stem seal	RPTFE
8	O-ring	Viton
9	Stem packing	PTFE + 15% graphite
10	Gland	Stainless steel 304
11	Belleville washer	Stainless steel 301
12	Stem nut	Stainless steel 304
13	Nut stop	Stainless steel 304
14	Washer	Stainless steel 304
15	Stop plate	Stainless steel 304
16	Nut	Stainless steel 304
17	Handle	Stainless steel 304
18	Handle sleeve	Vinyl
19	Stop pin	Stainless steel 304
20	Anti-static device	Stainless steel 316

THREE-WAY BALL VALVE
1370 SERIES - Dimensions





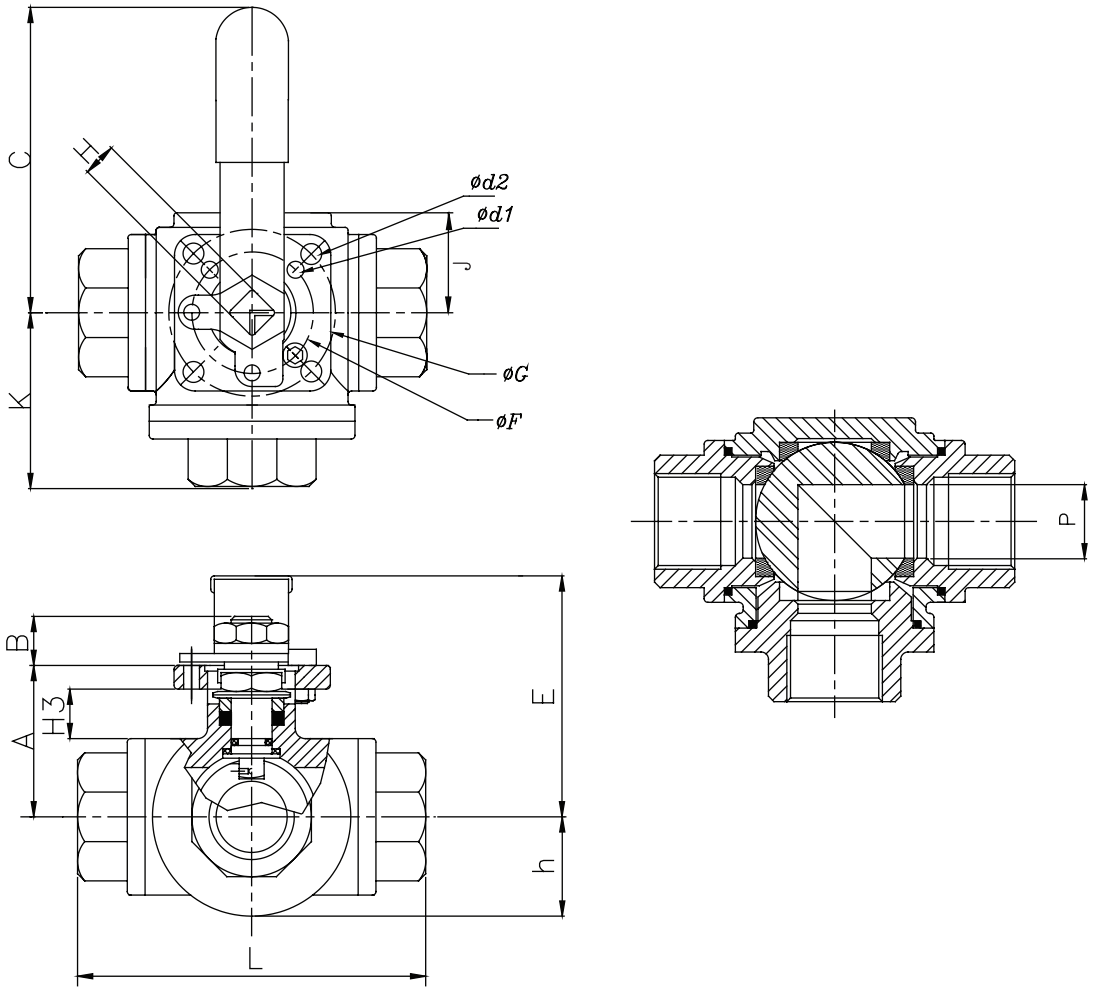


DIMENSIONS REDUCED BORE: (mm)

Ø	DN	A	B	C	J	Ød1	Ød2	E	ØF	ØG
1/2"	15	38,5	11	130	19,2	6,0	6,0	62	36	42
3/4"	20	41,0	11	130	22,4	6,0	6,0	64	36	42
1"	25	49,0	14	165	27,3	6,0	7,1	82	42	50
1 1/4"	32	55,0	14	165	33,5	6,0	7,1	89	42	50
1 1/2"	40	63,0	18	205	38,0	7,1	9,2	98	50	70
2"	50	74,0	18	205	47,9	7,1	9,2	108	50	70

Ø	DN	H	K	L	H3	h	P	ISO5211	Kg
1/2"	15	9	36,0	72	11,8	20,0	12	F03/F04	0,9
3/4"	20	9	41,5	83	13,4	23,2	15	F03/F04	1,5
1"	25	11	49,5	99	14,8	28,0	20	F04/F05	2,2
1 1/4"	32	11	56,0	112	15,0	34,0	25	F04/F05	3,3
1 1/2"	40	14	62,5	125	16,2	39,0	32	F05/F07	5,2
2"	50	14	74,5	149	16,5	48,0	38	F05/F07	9,5

THREE-WAY BALL VALVE
1370 SERIES - Dimensions

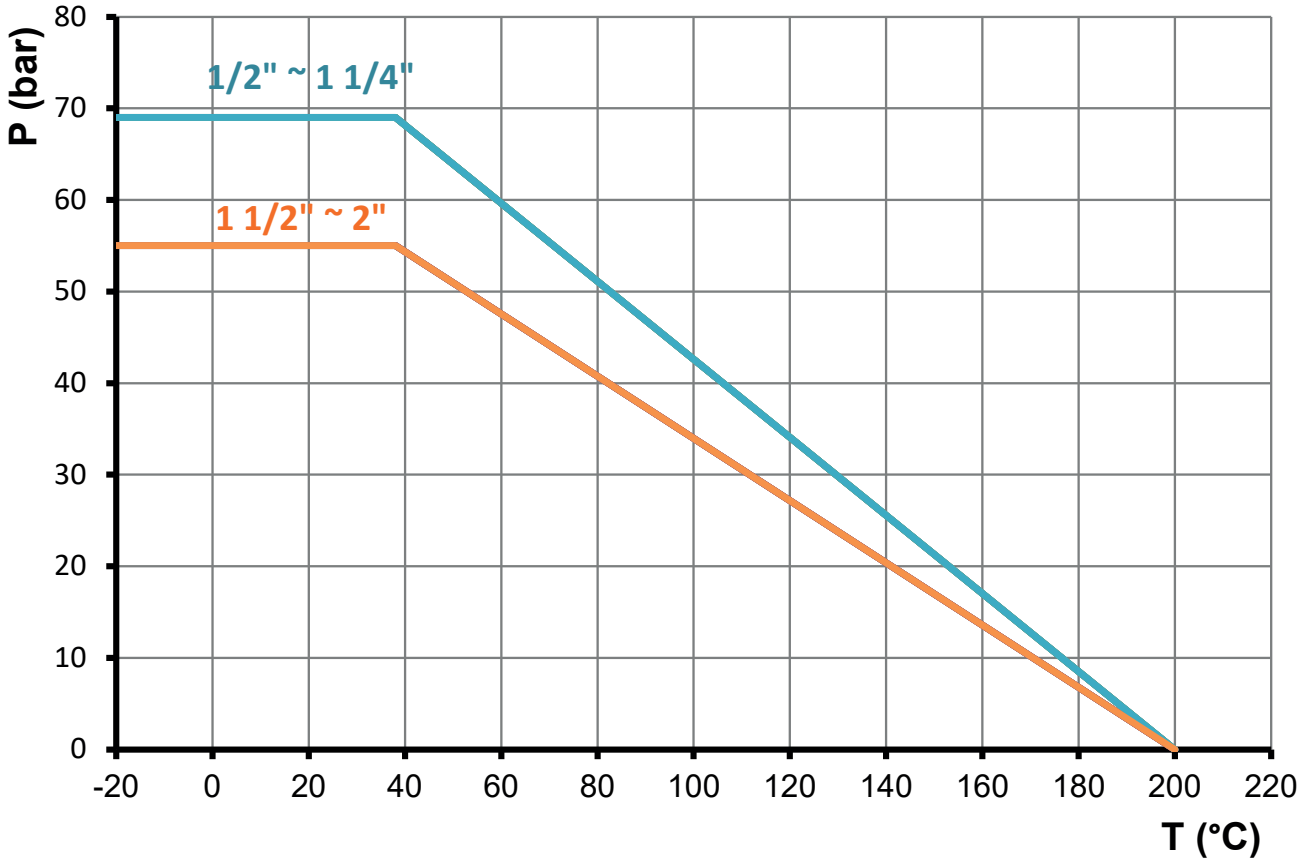


DIMENSIONS FULL BORE: (mm)

Ø	DN	A	B	C	J	Ød1	Ød2	E	ØF	ØG
1/4”	8	38,5	11	130	19,2	6,0	6,0	62	36	42
3/8”	10	38,5	11	130	19,2	6,0	6,0	62	36	42
1/2”	15	41,0	11	130	22,4	6,0	6,0	64	36	42
3/4”	20	49,0	14	165	27,3	6,0	7,1	82	42	50
1”	25	55,0	14	165	33,5	6,0	7,1	89	42	50
1 1/4”	32	63,0	18	205	38,0	7,1	9,2	98	50	70
1 1/2”	40	74,0	18	205	47,9	7,1	9,2	108	50	70
2”	50	93,0	22	325	57,8	9,2	11,4	140	70	102

Ø	DN	H	K	L	H3	h	P	ISO5211	Kg
1/4”	8	9	36,0	72	11,8	20,0	11	F03/F04	0,7
3/8”	10	9	36,0	72	11,8	20,0	12	F03/F04	0,6
1/2”	15	9	41,5	83	13,4	23,2	15	F03/F04	0,9
3/4”	20	11	49,5	99	14,8	28,0	20	F04/F05	1,5
1”	25	11	56,0	112	15,0	34,0	25	F04/F05	2,2
1 1/4”	32	14	62,5	125	16,2	39,0	32	F05/F07	3,3
1 1/2”	40	14	74,5	149	16,5	48,0	38	F05/F07	5,2
2”	50	17	87,0	174	24,2	60,0	50	F07/F10	9,5

PRESSURE-TEMPERATURE CHART:



TORQUES: (in Nm, including 30% safety)

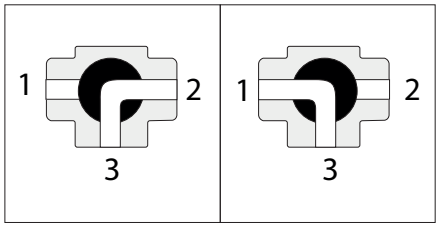
Ø	T (Nm)	
	Reduced	Full
1/4”	-	19
3/8”	-	19
1/2”	19	25
3/4”	25	33
1”	33	58
1 1/4”	58	83
1 1/2”	83	114
2”	114	186

Kv VALUES:

Ø	L-port	T-port (through)	T-port (branch)
1/4”	6,0	7,0	5,0
3/8”	6,0	7,0	5,0
1/2”	9,5	11,2	7,0
3/4”	19,0	16,4	9,5
1”	19,0	29,4	19,0
1 1/4”	35,4	46,7	35,4
1 1/2”	46,7	72,6	46,7
2”	83,8	136,6	83,8

CONFIGURATIONS:

L



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