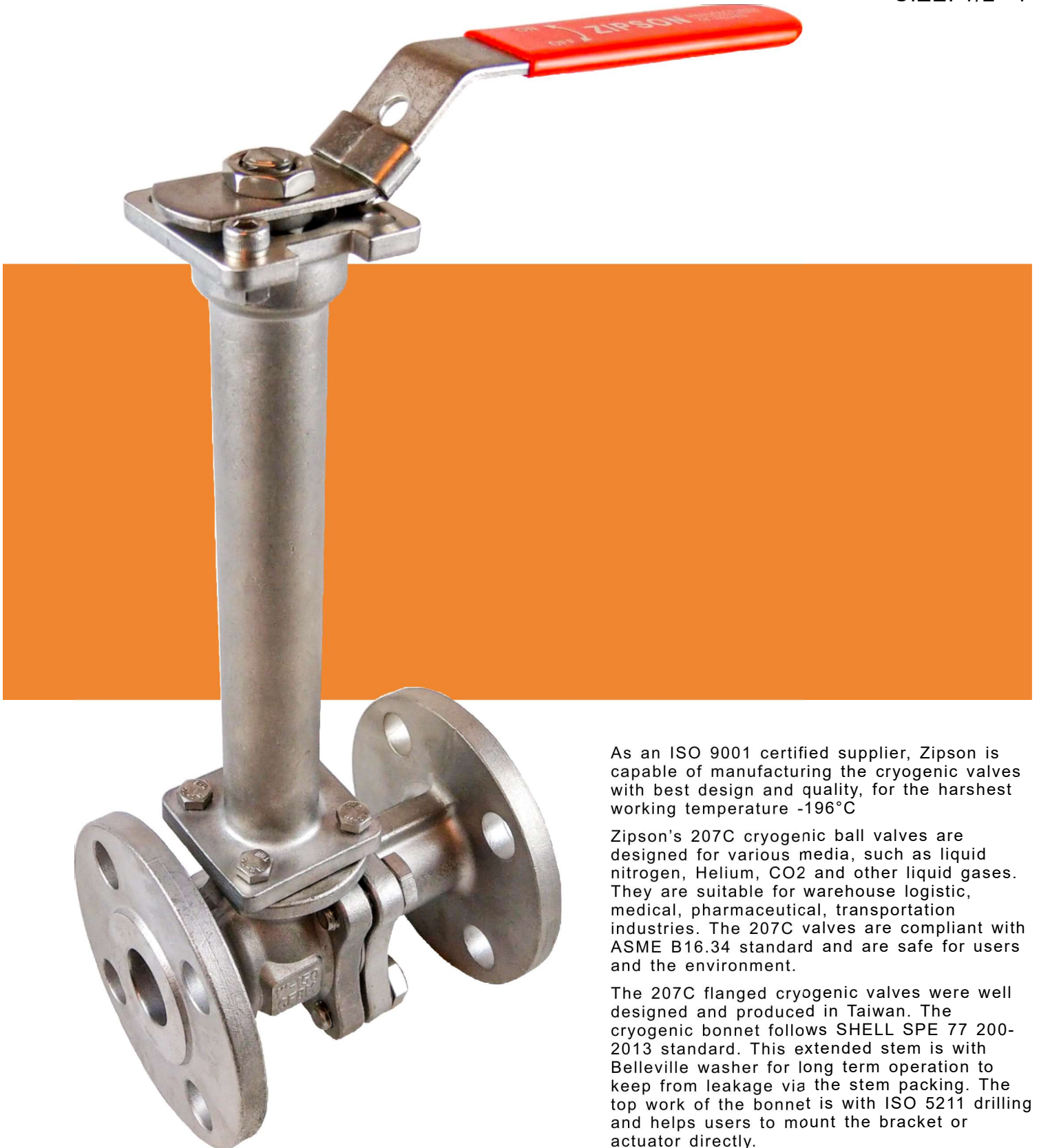


ASME150/300; PN16/40; JIS10K

SIZE: 1/2"-4"



As an ISO 9001 certified supplier, Zipson is capable of manufacturing the cryogenic valves with best design and quality, for the harshest working temperature -196°C

Zipson's 207C cryogenic ball valves are designed for various media, such as liquid nitrogen, Helium, CO₂ and other liquid gases. They are suitable for warehouse logistic, medical, pharmaceutical, transportation industries. The 207C valves are compliant with ASME B16.34 standard and are safe for users and the environment.

The 207C flanged cryogenic valves were well designed and produced in Taiwan. The cryogenic bonnet follows SHELL SPE 77 200-2013 standard. This extended stem is with Belleville washer for long term operation to keep from leakage via the stem packing. The top work of the bonnet is with ISO 5211 drilling and helps users to mount the bracket or actuator directly.

SPECIFICATION

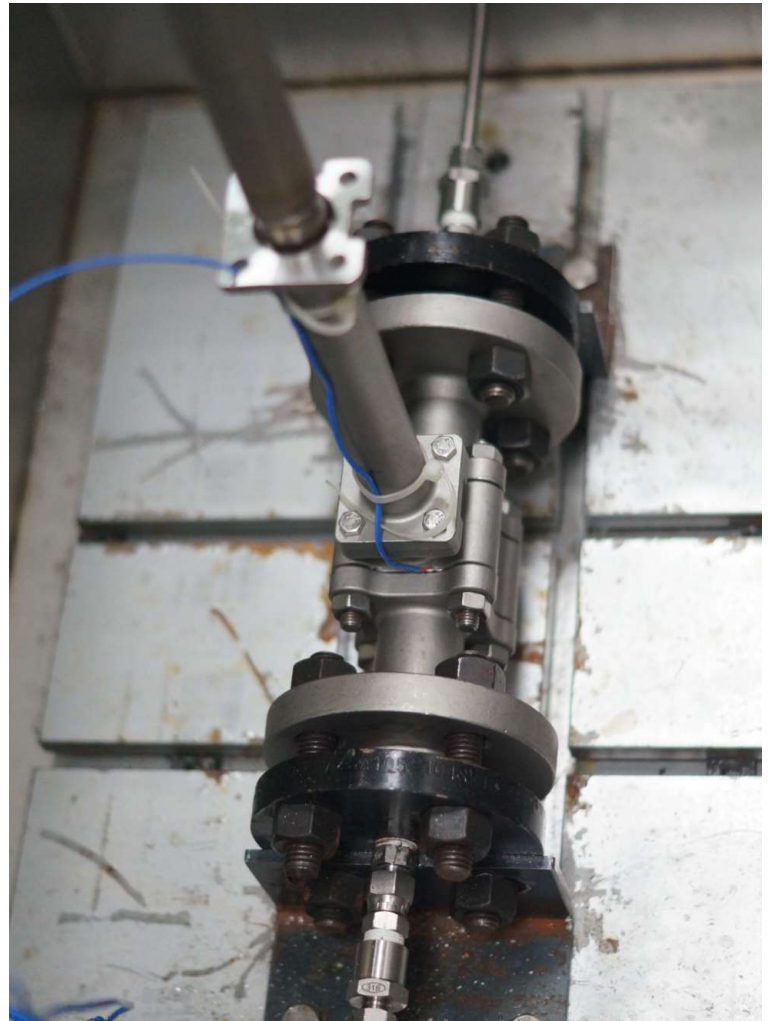
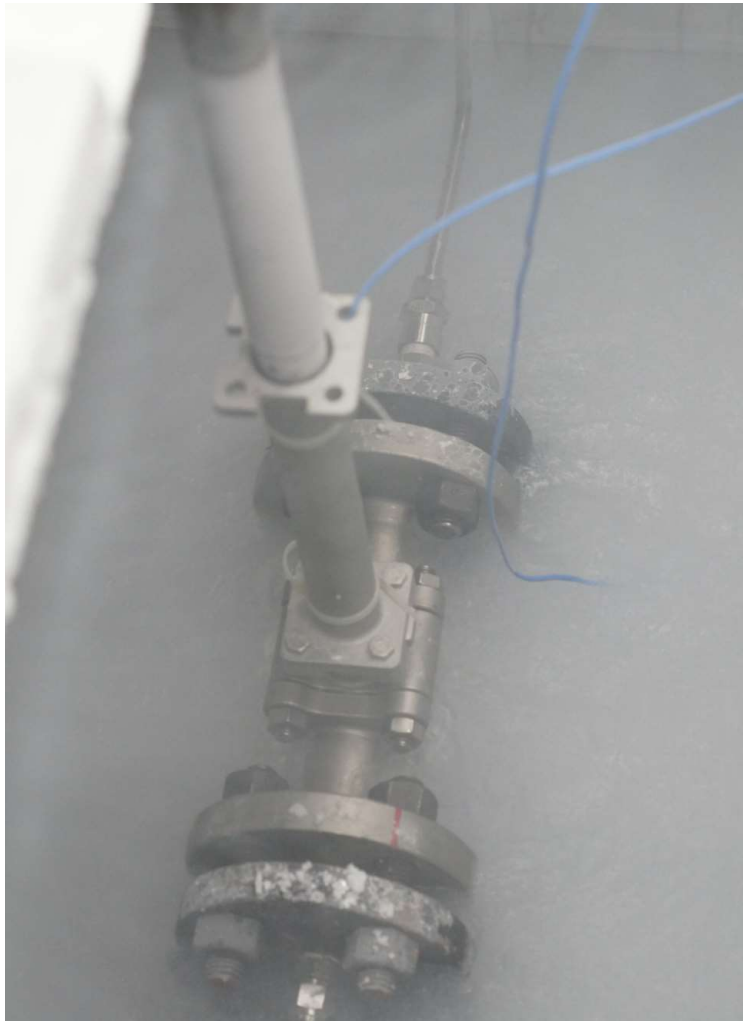
- * Design & manufacture: ANSI B16.34/ ISO 17292
- * Pressure rating:
ASME150/300; PN16/40
- * End connection: Flange ASME150/300; PN16/40
- * Temperature range
TFM4215 seat: -321°F to 350°F/ -196°C to 150°C
PCTFE seat: -418°F to 212°F/ -250°C to 100°C

OPTIONS

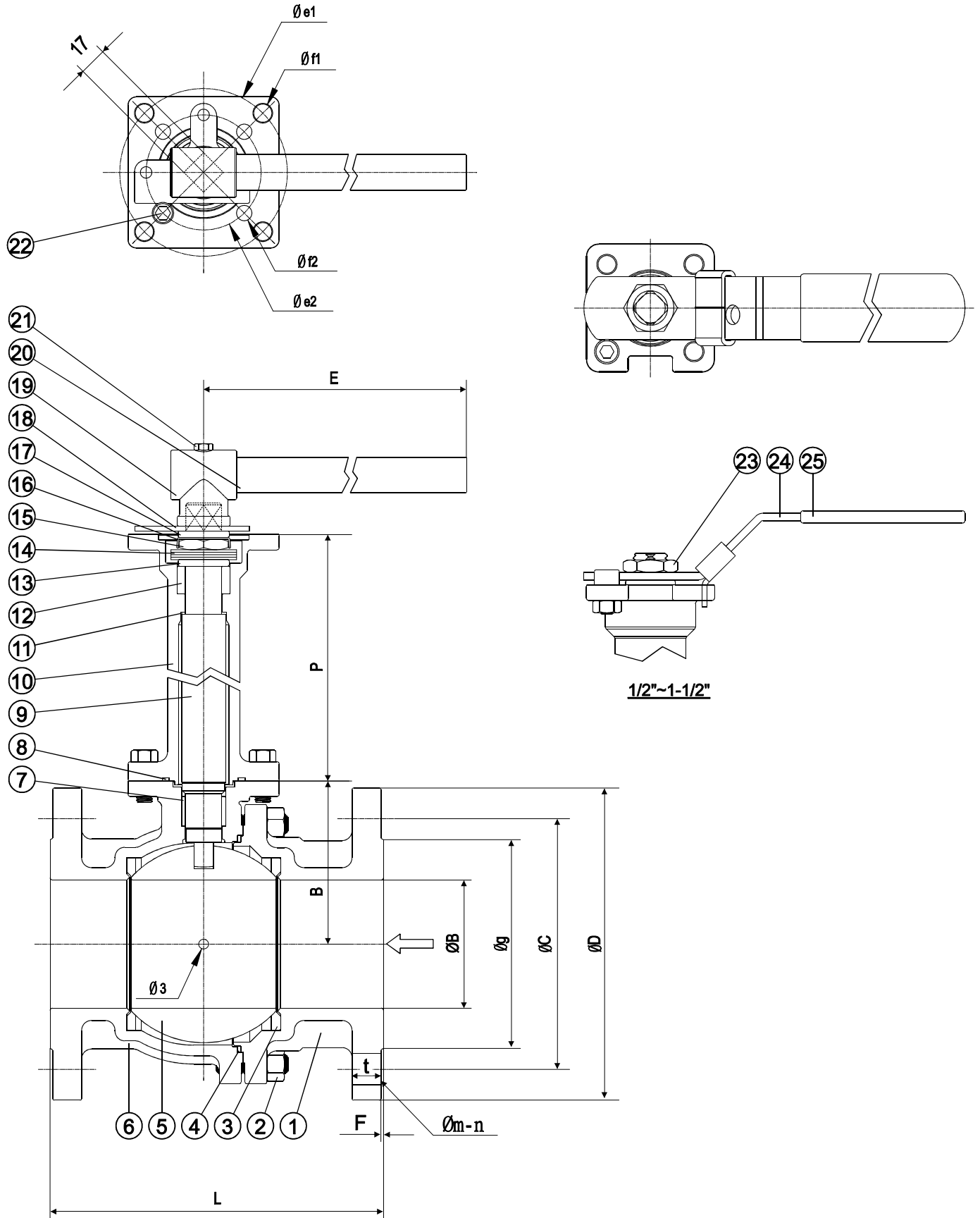
- * Automation application
- * Special alloy materials are available

FEATURES

- * Body & end caps quality investment casting
- * Encapsulated bolts design
- * Available in stainless steel and special alloy
- * Self-adjustable stem packing
- * with ISO 5211 direct mounting pad
- * Blow-out proof stem design



207C, Flanged Cryogenic Ball Valve



MATERIALS LIST

ITEM	PART NAME	MATERIALS	ITEM	PART NAME	MATERIALS
1	FLANGE END	A351 CF8M *	14	BELEVILLE WASHER	SS 301
2	BOLTS	SS 304	15	STEM NUT	SS 304
3	BALL SEAT	TFM4215/ PCTFE	16	NUT LOCK	SS 301
4	GASKET	TFM1600	17	SPACE WASHER	SS 304
5	BALL	A351 CF8M	18	STOP PLATE	SS 304
6	BODY	A351 CF8M *	19	HANDLE HEAD (2"~4")	A351 CF8
7	STEM BEARING	TFM1600	20	PIPE HANDLE	STEEL PIPE
8	BONNET GASKET	TFM1600	21	SET BOLT	SS 304
9	STEM	17-4PH	22	STOP PIN	SS 304
10	BRACKET	A351 CF8M	23	HANDLE NUT	SS 304
11	THRUST WASHER	TFM1600	24	HANDLE(1/2"~1-1/2")	SS 304
12	STEM PACKING	TFM1600	25	HANDLE SLEEVE	PLASTISOL
13	GLAND	SS 304			

* A351 CF8M for US market; 1.4408 for EU market; SCS14 for Japan

DIMENSIONS (MM)

SIZE	A	B	P	E	H	e1	e2	f1	f2
1/2"	15	37	200	130	9	42	-	6.0	-
3/4"	20	38.8	200	130	9	42	-	6.0	-
1"	25	43.8	200	165	11	50	-	7.2	-
1-1/4"	32	49.2	250	165	11	50	-	7.2	-
1-1/2"	38	68	250	205	14	70	-	9.3	-
2"	50	76.2	250	205	14	70	-	9.3	-
2-1/2"	65	89.5	250	310	17	102	70	11	9.3
3"	78	99.2	300	310	17	102	70	11	9.3
4"	100	120.5	300	310	22	125	102	13.5	11.5

ASME150/ 300 (MM)

SIZE	g	F	CLASS 150 FLANGE DIMENSIONS						CLASS 300 FLANGE DIMENSIONS					
			n	m	t	C	D	L	n	m	t	C	D	L
1/2"	35	1.6	4	16	11.2	60.5	89	108	4	16	14.5	66.5	95	140
3/4"	43	1.6	4	16	11.2	70	98	117	4	19	16	82.5	117	152
1"	51	1.6	4	16	11.2	79.5	108	127	4	19	17.5	89	124	165
1-1/4"	64	1.6	4	16	12.7	89	117	140	4	19	19.5	98.5	134	180
1-1/2"	73	1.6	4	16	14.3	98.5	127	165	4	22	21	114.5	156	190
2"	92	1.6	4	19	15.9	120.5	152	178	8	19	22.5	127	165	216
2-1/2"	105	1.6	4	19	17.8	139.5	178	190	8	22	25.5	149	190	241
3"	127	1.6	4	19	19.1	152.5	190	203	8	22	29	168	210	283
4"	157	1.6	8	19	24	190.5	229	229	8	22	32	200	254	305

PN16/ 40 (MM)

SIZE	F	L	PN16 FLANGE DIMENSIONS						PN40 FLANGE DIMENSIONS					
			C	D	g	m	n	t	C	D	g	m	n	t
1/2"	2	115	65	95	45	14	4	14	65	95	45	14	4	16
3/4"	2	120	75	105	58	14	4	16	75	105	58	14	4	18
1"	2	125	85	115	68	14	4	16	85	115	68	14	4	18
1-1/2"	3	140	110	150	88	18	4	16	110	150	88	18	4	18
2"	3	150	125	165	102	18	4	18	125	165	102	18	4	20
2-1/2"	3	170	145	185	122	18	4	18	145	185	122	18	8	22
3"	3	180	160	200	138	18	8	20	160	200	138	18	8	24
4"	3	190	180	220	158	18	8	20	190	235	162	22	8	24

JIS 10K (MM)

SIZE	F	L	JIS 10K FLANGE DIMENSIONS					
			C	D	g	m	n	t
1/2"	1	108	70	95	51	15	4	12
3/4"	1	117	75	100	56	15	4	14
1"	1	127	90	125	67	19	4	14
1-1/2"	2	165	105	140	81	19	4	16
2"	2	180	120	155	96	19	4	16
2-1/2"	2	190	140	175	116	19	4	18
3"	2	200	150	185	126	19	8	18
4"	2	230	175	210	151	19	8	18

PRESSURE/ TEMPERATURE

