



M-201 ISO MOUNTING FLANGE BALL VALVE

No bracket required (2-PC body design)

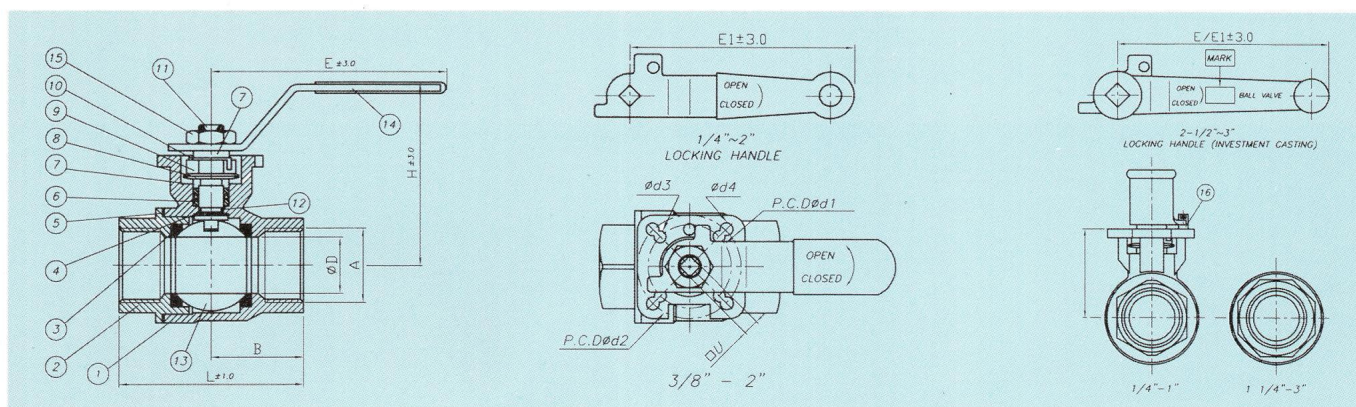


Economic type Integral mounting plates to ISO 5211

Extended body Neck for direct actuator Mounting

.Quick and easy for direct actuator fitting,
without the need for any additional bracket
or coupling.
.2-PC body design
.Full bore 1/4"-3"
.Investment cast body & cap in stainless
& carbon steel.
.Blow-out proof stem design
Pressure rating: 1/4" 3" : 1000 PSI

.Threaded end:
NPT - ANSI B 2.1
BSPP - DIN 259.2999
BSPT - BS 21
JISPT - JIS B 0203
Optional:
Anti-static device
Locking handle
Extension stem (100MM)



SIZE	φ D	A	B	L	H	E	E1	□ U	F	φ d1	φ d2	φ d3	φ d4	ISO 5211
1/4"	11.6	1/4" NPT BSPP BSPT	24.55	50.9	68.3	114	114	9	32.5	36	/	5.5	/	F03
3/8"	12.7	3/8" NPT BSPP BSPT	24.55	50.9	68.3	114	114	9	32.5	36	42	5.5	5.5	F03.F04
1/2"	15	1/2" NPT BSPP BSPT	30.5	62.8	71	114	114	9	35	36	42	5.5	5.5	F03.F04
3/4"	20	3/4" NPT BSPP BSPT	32.7	65.4	73.8	133	133	11	40.1	42	50	5.5	6.5	F04.F05
1"	25	1" NPT BSPP BSPT	37.65	75.2	77.8	133	133	11	43.4	42	50	5.5	6.5	F04.F05
1"-1/4"	31.8	1"-1/4" NPT BSPP BSPT	43.65	87.3	88	187	187	11	49.5	42	50	5.5	6.5	F04.F05
1"-1/2"	38	1"-1/2" NPT BSPP BSPT	47.4	95	92	187	187	11	54	42	50	5.5	6.5	F04.F05
2"	50.8	2" NPT BSPP BSPT	55.8	111.3	103	187	222	14	64.5	50	70	6.5	8.5	F05.F07
2"-1/2"	65	2"-1/2" NPT BSPP BSPT	74.75	149.5	147.3	315	315	17	90.8	70	/	8.5	/	F07
3"	76	3" NPT BSPP BSPT	82.4	164.8	156.1	315	315	17	99.6	70	/	8.5	/	F07

16	STOPPER	1	SUS304	SUS304
15	HEX NUT	1	CARBON STEEL	SUS304
14	HANDLE	1	CARBON STEEL	SUS304
13	BALL	1	SUS304	SUS316
12	O-Ring	1	VITON	VITON
11	STEM	1	CARBON STEEL	SUS304
10	TAB WASHER	1	SUS304	SUS304
9	GLAND NUT	1	CARBON STEEL	SUS304
8	DISC SPRING	2	SUS301	SUS301
7	GLAND	2	SUS304	SUS304
6	STEM PACKING	2	PTFE (2"-1/2" & 3" 3PCS)	PTFE (2"-1/2" & 3" 3PCS)
5	BODY GASKET	1	PTFE	PTFE
4	THRUST WASHER	1	PTFE	PTFE
3	SEATS	2	PTFE OR RPTFE	PTFE OR RPTFE
2	END CAP	1	ASTM A216 Gr.WCB	ASTM A351 Gr.CF8M
1	BODY	1	ASTM A216 Gr.WCB	ASTM A351 Gr.CF8M
NO	PART NAME	QTY	CARBON STEEL	STAINLESS STEEL

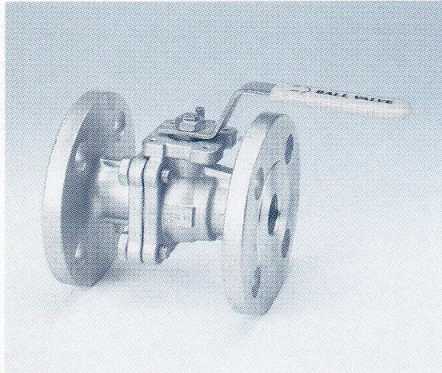


Fig. no. M-210

Full Bore 1½"-2"

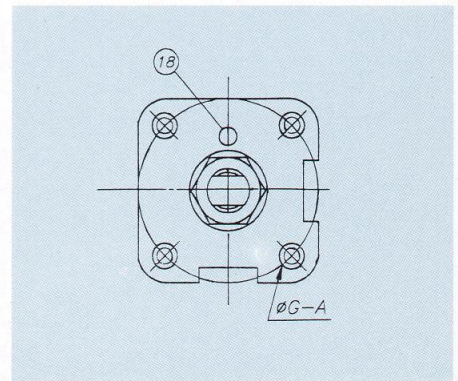
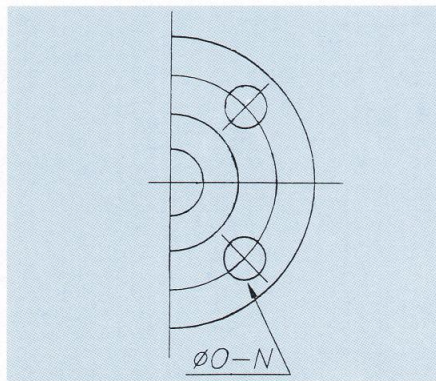
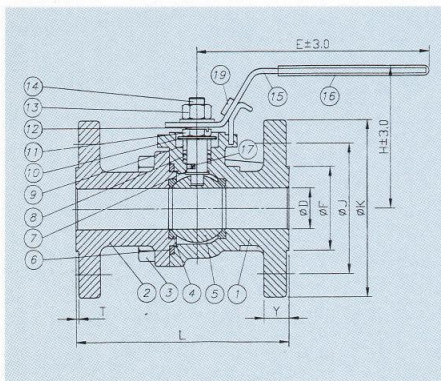
2-PC Flanged Ball Valve

JIS 10K R.F.



- ISO 5211 actuator mounting pad integral to valve Body
 - Made by Investment casting
 - Blow-out proof stem design
- Specifications:
- Split body 2 piece type to allow maintain on all internal parts
 - Flange dimension: JIS B2212~2217
 - Face to Face: ANSI B 16.10
 - Test pressure:
- Seat (air): 6kg/cm²
Shell (Hydrostatic): 24kg/cm²

- Optional:
- Anti-static device
 - Fire-safe design
 - Locking device



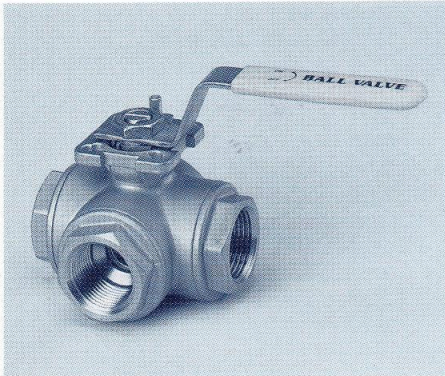
SIZE		φD	L		H	E	φF	φJ	φK	T	N	φO	Y	A	φG
DN15	1½"	13	108		69.5	114	52	70	95	1	4	15	12	M8	50
DN20	¾"	20	118		71.5	133	58	75	100	1	4	15	14	M8	50
DN25	1"	25	127		79.0	133	70	90	125	1	4	19	14	M8	50
DN32	1¼"	32	140		87.0	187	80	100	135	2	4	19	16	M8	50
DN40	1½"	40	165		94.8	187	85	105	140	2	4	19	16	M10	70
DN50	2"	50	178		104.3	187	100	120	155	2	4	19	16	M10	70
DN65	2 ½"	65	190.5		140.0	410	120	140	175	2	8	19	18	M10	70
DN80	3"	76	203.0			410	130	150	185	2	8	19	18	M10	70
DN100	4"	100	ANSI	JIS		315	155	175	210	2	8	19	18	M12	102
			229	230											
DN125	5"	125	356	285		660	185	210	250	2	8	23	20	M12	125
DN150	6"	150	393.7	365		660	215	240	280	2	8	23	22	M12	125
DN200	8"	200	457.2	450		660	265	290	330	2	12	23	22	M12	125

19	LOCKING DEVICE	1	SS304	SS304
18	STOPPER	1	SS304	SS304
17	ANTI STATIC (optional)	1	SS304	SS304
16	COVER	1	PLASTIC	PLASTIC
15	HANDLE	1	SS304	Carbon Steel
14	STEM	1	SS316	SS304
13	HANDLE NUT	1	SS304	Carbon Steel
12	TAB WASHER	1	SS304	SS304
11	GLAND NUT	1	SS304	SS304
10	DISC SPRING	2	SS301	SS301
9	GLAND	1	SS304	Carbon Steel
8	GLAND WAHSER	2	PTFE	PTFE
7	GASKET	1	PTFE	PTFE
6	THRUST WAHSER	1	PTFE	PTFE
5	BALL	1	SUS316 or CF8M	SUS304 OR CF8
4	SEAT	2	RPTFE	RPTFE
3	HEX BOLT	4/6/8	SS304	Carbon Steel
2	END CAP	1	CF8M	WCB
1	BODY	1	CF8M	WCB
ITEM	PART NAME	Q'TY	SPECIFICATION	



Fig. no. M333 Reduced Bore

4- PC Three Way Ball Valve 2000 WOG Extended Body Neck for direct actuator Mounting



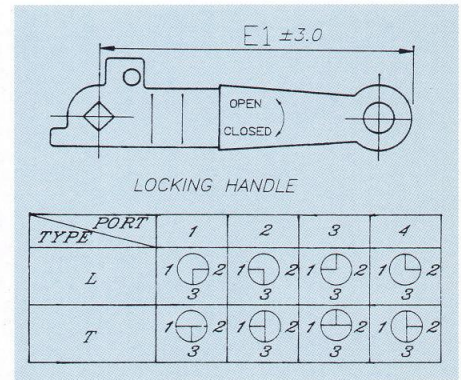
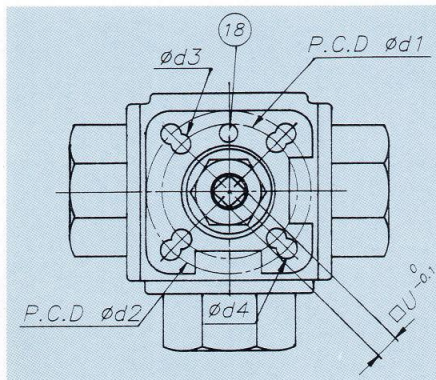
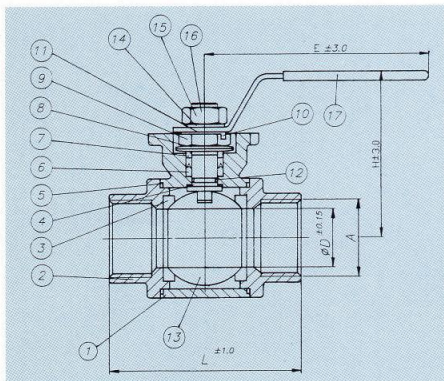
- ISO 5211 Top Flange for actuator Mounting
- Blow-out Proof Stem Design
- Test Pressure:
Seat (air): 80 PSI 100%
Shell (Hydrostatic):
1/4" - 1": 3000 PSI
1 1/4" - 2": 2250 PSI
- Pressure Rating:
1/4" - 1": 2000 PSI WOG
1 1/4" - 2": 1500 PSI WOG

- Steam Rating: 150 PSI Saturated Steam (Non-Shock)

- End Connections:
Threaded end:
NPT-ANSI B 2.1
BSPT-BS 21
BSPP-DIN 259 2999
JISPT-JIS B 0203

Optional:

- Anti-Static Device
- Locking device



PORT	1	2	3	4
TYPE	1/3 2/3	1/3 2/3	1/3 2/3	1/3 2/3
L	1/3 2/3	1/3 2/3	1/3 2/3	1/3 2/3
T	1/3 2/3	1/3 2/3	1/3 2/3	1/3 2/3

SIZE	φD	A	L	□ U	φd1	φd3	φd2	φd4	ISO 5211	E	E1	H	M
1/4"	11.6	1/4" NPT BSPP BSPT	80	9	36	5.5	42	5.5	F03 F04	114	114	73	7/16 UNF
3/8"	12.7	3/8" NPT BSPP BSPT	80	9	36	5.5	42	5.5	F03 F04	114	114	73	7/16 UNF
1/2"	12.0	1/2" NPT BSPP BSPT	80	9	36	5.5	42	5.5	F03 F04	114	114	73	7/16 UNF
3/4"	15.0	3/4" NPT BSPP BSPT	87.5	11	42	5.5	50	6.5	F04 F05	133	133	78	9/16 UNF
1"	20.0	1" NPT BSPP BSPT	100	11	42	5.5	50	6.5	F04 F05	133	133	83	9/16 UNF
1 1/4"	25.0	1 1/4" NPT BSPP BSPT	123	11	42	5.5	50	6.5	F04 F05	187	187	92	9/16 UNF
1 1/2"	32.0	1 1/2" NPT BSPP BSPT	142.2	11	42	5.5	50	6.5	F04 F05	187	187	98	9/16 UNF
2"	40.0	2" NPT BSPP BSPT	170.6	14	50	6.5	70	8.5	F05 F07	187	222	124	3/4 UNF

18	STOPPER	1	SUS304	SUS304
17	COVER	1	PLASTIC	PLASTIC
16	STEM	1	SUS304	SUS316
15	HANDLE NUT	1	CARBON STEEL	SUS304
14	WASHER	1	CARBON STEEL	SUS304
13	BALL	1	SUS304	SUS316
12	O-Ring	1	VITON	VITON
11	HANDLE	1	CARBON STEEL	SUS304
10	TAB WASHER	1	SUS304	SUS304
9	GLAND NUT	1	SUS304	SUS304
8	DISC SPRING	2	SUS301	SUS301
7	GLAND	1	SUS304	SUS304
6	STEM PACKING	2	PTFE	PTFE
5	BODY GASKET	3	PTFE	PTFE
4	THRUST WASHER	1	PTFE	PTFE
3	SEAT	4	PTFE or RPTFE	PTFE or RPTFE
2	END CAP	3	ASTM A216 Gr.WCB	ASTM A315 Gr.CF8M
1	BODY	1	ASTM A216 Gr.WCB	ASTM A315 Gr.CF8M
NO	PART NAME	Q'TY	CARBON STEEL	SATAINLESS STEEL

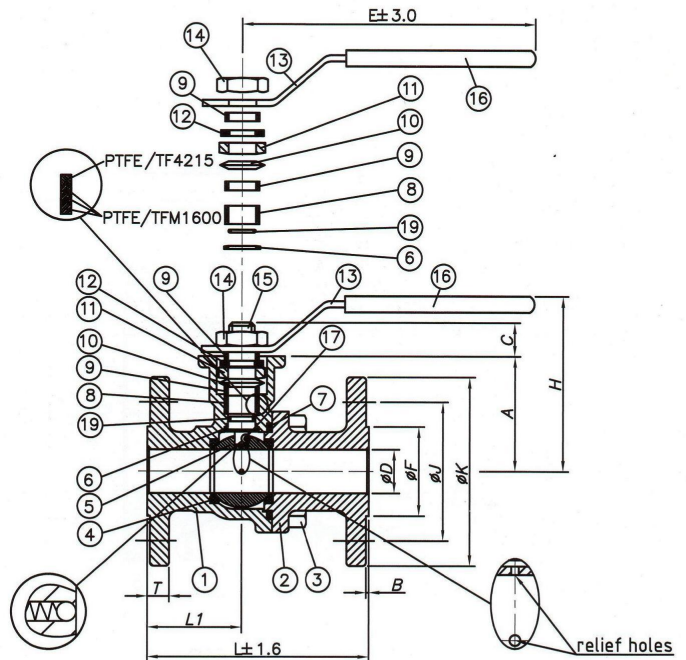
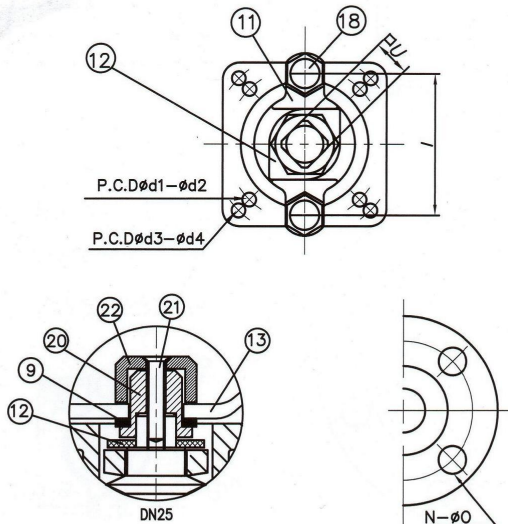


Fig. no. G-910 Full Bore 1/2"~4"

2-PC Flanged Ball Valve JIS 10K R.F.

- * Minimum wall-thickness design according to ASME B16.34
- * Face to Face dimension : JIS B2002
- * Flange dimension : JIS B2210-84
- * Optional:
 - * Fire safe
 - * Anti-static device
 - * TA-Luft

- * Test pressure: (API598)
Shell (Hydrostatic) test :
24KG / 340PSI
Seat (air) test :
80 PSI under water 100%
- * ISO 5211 actuator mounting pad



MATERIAL LIST

22	HANDLE CAP (DN25)	1	SUS304	SUS304	SUS304
21	BOLT (DN25)	1	S25C	SUS304	SUS304
20	ADAPTER (DN25)	1	SUS304	SUS304	SUS316
19	O-Ring (DN15~DN50:1pcs,DN65~DN100:2pcs)	1-2	HNBR	HNBR	HNBR
18	BONNET BOLT AND NUT	2	S25C	SUS304	SUS304
17	ANTI STATIC (optional)	1	SUS304	SUS304	SUS316
16	COVER	1	PLASTIC	PLASTIC	PLASTIC
15	STEM	1	SUS304	SUS304	SUS316
14	HANDLE NUT	1	S25C	SUS304	SUS304
13	HANDLE	1	SCW201	SUS201	SUS201
12	BONNET STOPPER	1	SUS304	SUS304	SUS304
11	BONNET	1	SCW410	SCS13A	SCS13A
10	DISC SPRING	2	SUS301	SUS301	SUS301
9	GLAND	2	SUS304	SUS304	SUS304
8	STEM PACKING (DN15~DN20:3pcs,DN25~DN50:4pcs)	3-6	RPTFE	RPTFE	RPTFE
7	GASKET	1	RPTFE/TFM1600	RPTFE/TFM1600	RPTFE/TFM1600
6	THRUST WASHER	1	RPTFE	RPTFE	RPTFE
5	BALL	1	S25C/SUS304	SUS304	SUS316
4	SEAT	2	RPTFE	RPTFE	RPTFE
3	HEX BOLT(DN65~DN80:6pcs,DN100:8pcs)	4-8	S25C	SUS304	SUS304
2	END CAP	1	SCW410	SCS13A	SCS14A
1	BODY	1	SCW410	SCS13A	SCS14A
NO	PART NAME	Q'TY	SPECIFICATION		

DIMENSINONS TABLE

UNIT:mm

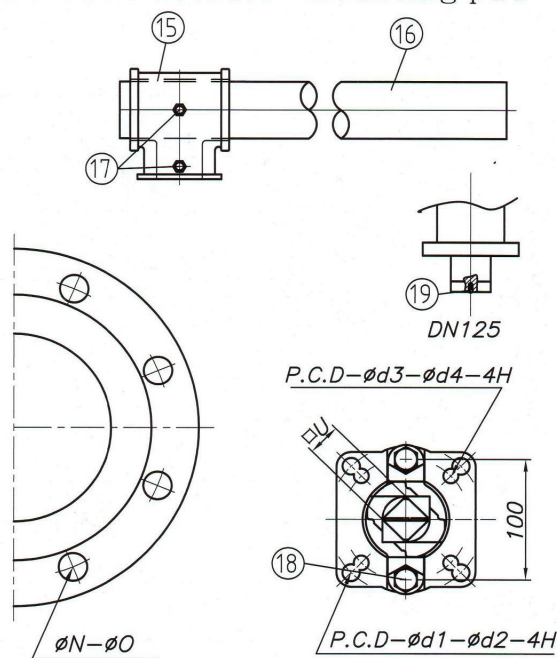
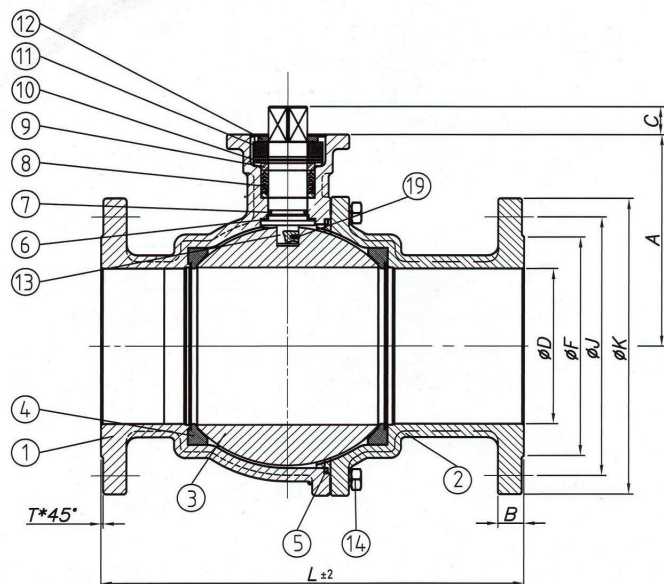
SIZE	øD	L	L1	I	H	E	øF	øJ	øK	T	N	øO	C ±1.0	□U	B	ød1	ød2	ød3	ød4	A	ISO 5211
DN15	15	108	43	36	78	97	51	70	95	12	4	15	8	9	1	36	6	50	7	49	F03/F05
DN20	20	117	55	36	83	97	56	75	100	14	4	15	8	9	1	36	6	50	7	54	F03/F05
DN25	25	127	56	42	101	142	67	90	125	14	4	19	11	11	1	50	7	64.5	7	64.5	F05
DN32	32	140	58	42	109	142	76	100	135	16	4	19	11	11	2	50	7	71	7	71	F05
DN40	38	165	70	50	117	190	81	105	140	16	4	19	13.5	14	2	70	9	70	9	77.5	F07
DN50	50	178	80	50	126	190	96	120	155	16	4	19	13.5	14	2	70	9	70	9	85.8	F07
DN65	64	190	86	70	173	350	116	140	175	18	4	19	17.5	17	2	70	9	102	11	113.8	F07/F10
DN80	76	203	95	70	182	350	126	150	185	18	8	19	17.5	17	2	70	9	102	11	122	F07/F10
DN100	100	229	116	70	198	350	151	175	210	18	8	19	17.5	17	2	70	9	102	11	138	F07/F10

Fig. no. G-910 Full Bore 5"~8"

2-PC Flanged Ball Valve JIS 10K R.F.

- * Minimum wall-thickness design according to ASME B16.34
- * Face to Face dimension : JIS B2002
- * Flange dimension : JIS 2212
- * Optional:
 - * Fire safe
 - * Gear box
 - * TA-Luft

- * Test pressure: (GB 13927 / API598)
- Shell (Hydrostatic) test :
24KG / 340PSI
- Seat (air) test :
80 PSI under water 100%
- * ISO 5211 actuator mounting pad



MATERIAL LIST

19	ANTI-STATIC(optional)	1	SUS316	SUS304	S25C
18	GLAND BOLT+NUT	2	SUS304	SUS304	S25C
17	HANDLE BOLT	2	SUS304	SUS304	S25C
16	HANDLE TUBE	1	SUS201	SUS201	S25C
15	HANDLE	1	SUS201	SUS201	SUS201
14	HEX BOLT(DN125,DN200:10PCS)	8-10	SUS304	SUS304	S25C
13	STEM	1	SUS316	SUS304	SUS304
12	BONNET STOPPER	1	SUS304	SUS304	S25C
11	GLAND	1	CF8	CF8	S25C
10	DISC SPRING	2	SUS301	SUS301	SUS301
9	GLAND BONNET	1	SUS304	SUS304	SUS304
8	STEM PACKING (1 SET)	7	PTFE	PTFE	PTFE
7	O-RING(VITON/HNBR/EPDM)	1	VITON	VITON	VITON
6	THRUST WASHER	1	RPTFE	RPTFE	RPTFE
5	BODY SEAL	1	TFM1600	TFM1600	TFM1600
4	SEAT	2	RPTFE	RPTFE	RPTFE
3	BALL	1	SUS316	SUS304	SUS304
2	END CAP	1	SCS14A	SCS13A	WCB
1	BODY	1	SCS14A	SCS13A	WCB
NO	PART NAME	Q'TY	MATERIAL		

DIMENSINONS TABLE

UNIT:mm

SIZE	øD	øF	øJ	øK	B	øN	øO	T	C	ød1 (F12)	ød2	ød3 (F10)	ød4	L	A	□U
DN125	125	185	210	250	20	23	8	2	22	125	14	102	12	356	164	22
DN150	150	215	240	280	22	23	8	2	27	125	14	102	12	394	204	27
DN200	200	265	290	330	22	23	12	2	27	125	14	102	12	457	255.5	27