INDUSTRIAL BALL VALVES

SUPERSEAL®

SHORT VERSION

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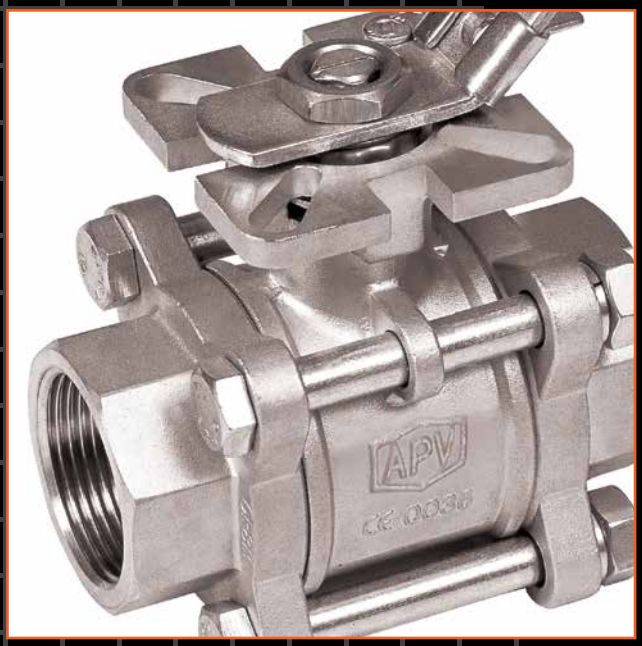
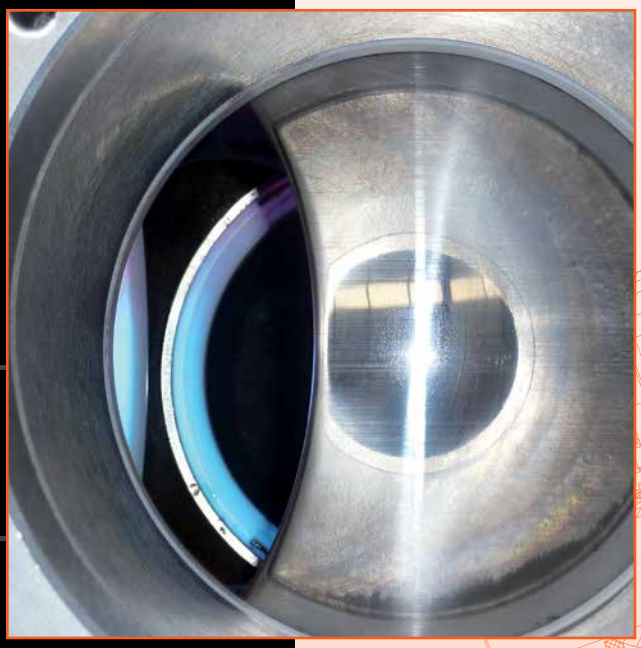




APV

AUSTRALIAN PIPELINE VALVE®

www.australianpipelinevalve.com.au

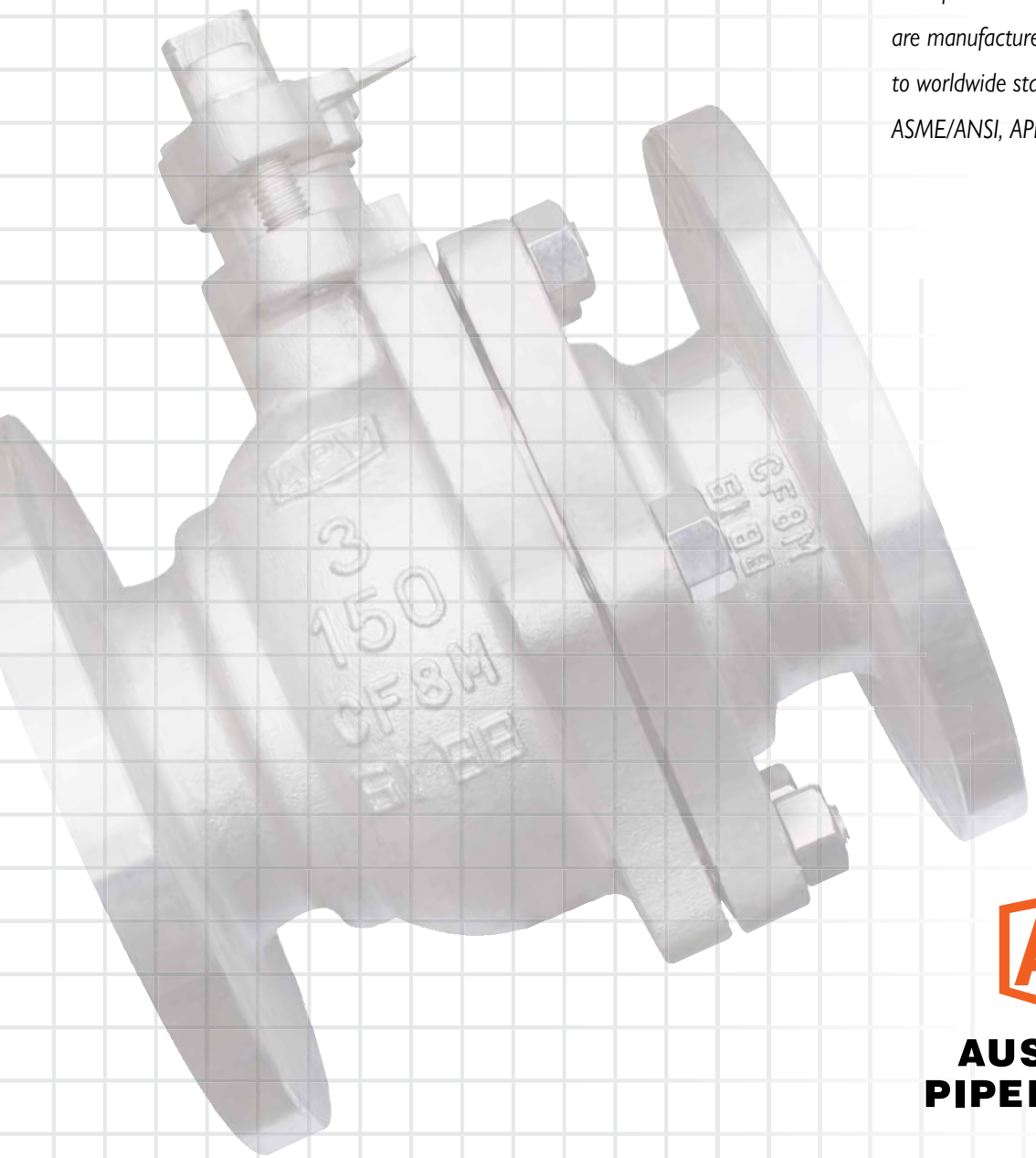
QUALITY VALVE MANUFACTURER

QUALITY COMMITMENT

Quality is Our First Priority.

Consistent product quality and a proven track record makes Australian Pipeline Valve a dependable choice where total reliability is the number one concern.

Since its founding, APV's philosophy has been focused on quality. Our valves are manufactured in full compliance to worldwide standards (such as ASME/ANSI, API, EN, ISO, BS, AS).



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* This version excludes some of these pages, refer to full version at website.

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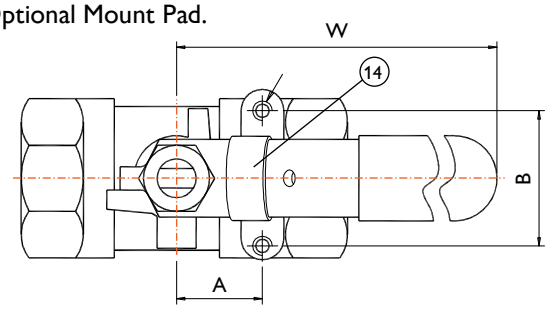
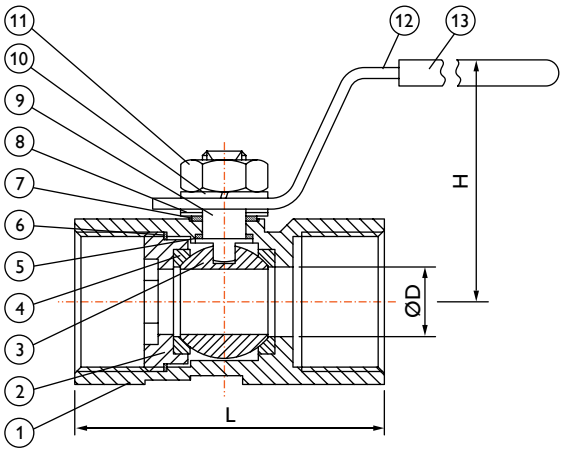
1 PIECE BODY 1000/2000 PSI BALL VALVES APL190/APL197

FEATURES

- L190 1000PSI, L197 2000PSI up to 50NB.
- Reinforced TFE seats increase durability.
- Self adjusting Belleville packing spring.
- Bottom-loaded blow-out proof stem.
- NPT threaded ends complies with ANSI B1.20.1.
- BSP threaded ends complies with BS 21, ISO 7/1.
- Tested according to MSS SP-110/API 598.
- Optional Mount Pad.

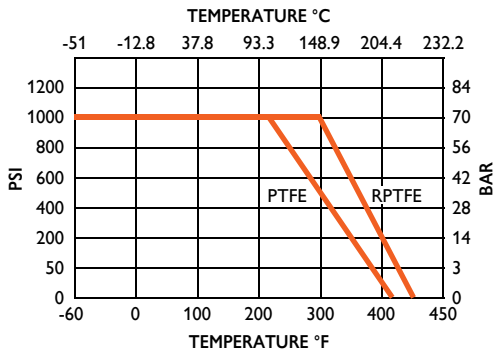




MATERIALS LIST

Item	Parts	Stainless Steel	Carbon Steel	Pcs
1	Body	ASTM A351 CF8M	ASTM A216 WCB	1
2	Body Insert	ASTM A351 CF8M/316	ASTM A216 WCB/A108	1
3	Ball	ASTM A351 CF8M/316	ASTM A351 CF8/304	1
4	Seat	PTFE	PTFE	2
5	Thrust Washer	PTFE	PTFE	1
6	Body Gasket	PTFE	PTFE	1
7	Stem Packing	PTFE	PTFE	1
8	Belleville Spring	AISI 301	AISI 301	2
9	Stem	ASTM A276 316	ASTM A276 304	1
10	Spring Washer	AISI 304	AISI 304	1
11	Handle Nut	AISI 304	AISI 304	1
12	Handle	AISI 304	Zinc Plated Steel	1
13	Sleeve	Vinyl Plastisol	Vinyl Plastisol	1
14	Locking Device	AISI 304	AISI 304	1v

PRESSURE/TEMPERATURE RATING



OPTIONS

L Locking Device
V Vented Ball
P Equipped with Pneumatic Actuator
M Mounting Pad

DIMENSIONS

Size		ØD		L		H		W		Weights
in	dn	in	mm	in	mm	in	mm	in	mm	KG
1/4"	8	0.20	5	1.54	39	1.30	33	2.68	68	0.1
3/8"	10	0.28	7	1.77	45	1.38	35	3.11	79	0.1
1/2"	15	0.35	9	2.20	56	1.65	42	3.54	90	0.2
3/4 "	20	0.49	12	2.36	60	1.81	46	3.54	90	0.3
1"	25	0.63	16	2.80	71	1.97	50	4.09	104	0.4
1-1/4"	32	0.79	20	3.03	71	2.20	56	4.09	104	0.6
1-1/2"	40	0.98	25	3.27	83	2.60	66	4.96	126	0.9
2"	50	1.26	32	3.94	100	2.83	72	4.96	126	1.4

We reserve the rights to modify our product design or construction for improvement without prior notice.

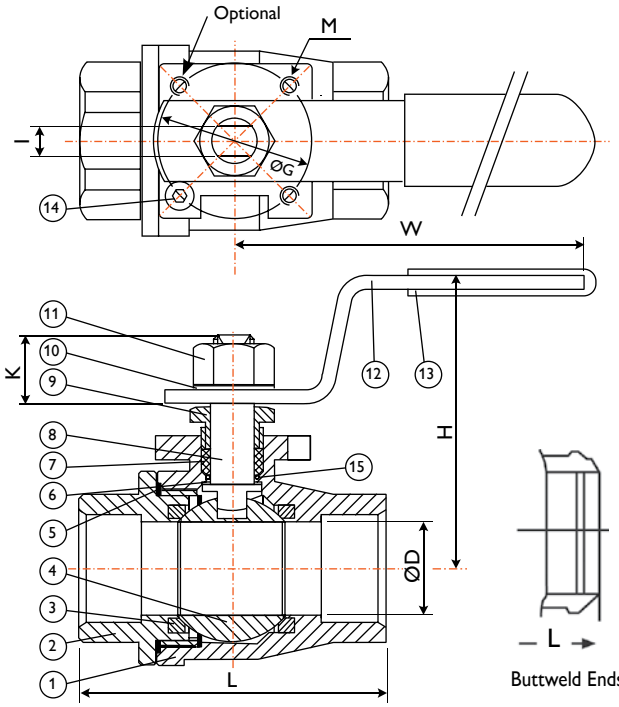
2 PIECE BODY 1500/2000 PSI BALL VALVES 660-HP

FEATURES

- Reinforced TFE seats increase durability.
- Adjustable packing gland.
- Bottom-loaded blow-out proof stem.
- Low operating torque to reduce automation costs.
- Mounting pad complies with ISO 5211 for ease and interchangeability of actuation.
- Basic design complies with MSS SP-110.
- NPT threaded ends complies with ANSI B 1.20.1.
- BSP threaded ends complies with BS 21, Buttweld also available.
- Tested according to MSS SP-110/API 598.

MATERIALS LIST

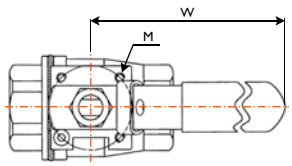
No.	Parts		
1	Body	ASTM A351-CF8M/CF8	ASTM A216-WCB
2	End Cap	ASTM A351-CF8M/CF8	ASTM A216-WCB
3	Seat	RPTFE/PTFE	RPTFE/PTFE
4	Ball	ASTM A351-CF8M/CF8	ASTM A351-CF8/304
5	Gasket	PTFE	PTFE
6	Thrust Washer	PTFE	PTFE
7	Stem Packing	PTFE	PTFE
8	Stem	ASTM A276-316	ASTM A276-304
9	Gland	AISI 304	AISI 304
10	Handle Washer	AISI 304	AISI 304
11	Handle Nut	AISI 304	AISI 304
12	Handle	AISI 304	Zinc Plated Steel
13	Handle Cover	PVC	PVC
14	Stop Screw	AISI 304	Carbon Steel
15	O-Ring	Viton	FKM



Buttweld Ends

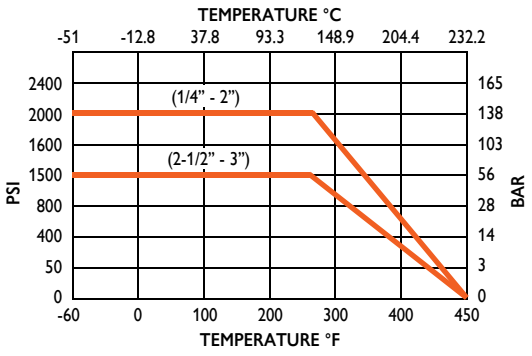
OPTIONS

L	Locking Device
V	Vented Ball
P	Equipped with Pneumatic Actuator
M	Mounting Pad
W	Seal Welded



Option - Seal welded body version also available

PRESSURE/TEMPERATURE RATING



DIMENSIONS

Size		ØD	L	I	K	ØG	H	W	M
in	mm	mm	mm	mm	mm	mm	mm	mm	mm
1/4"	8	11.6	54	-	-	-	50	96	-
3/8"	10	12.7	60	-	-	-	50	96	-
1/2"	15	15.0	61 / 63	5	12.0	36	62	100	M5
3/4"	20	20.0	73	6	13.5	36	68	121	M5
1"	25	25.4	85	8	18.0	42	80	153	M5
1-1/4"	32	32.0	97 / 102	8	18.0	42	86	153	M5
1-1/2"	40	38.0	108 / 115	8	18.0	50	86	80	M6
2"	50	50.0	124 / 134	8	18.0	50	95	180	M6
2-1/2"	65	65.0	163 / 168	12	29.0	70	132	265	M8
3"	80	80.0	185 / 191	12	29.0	70	143	265	M8

* For 4" refer to separate drawing

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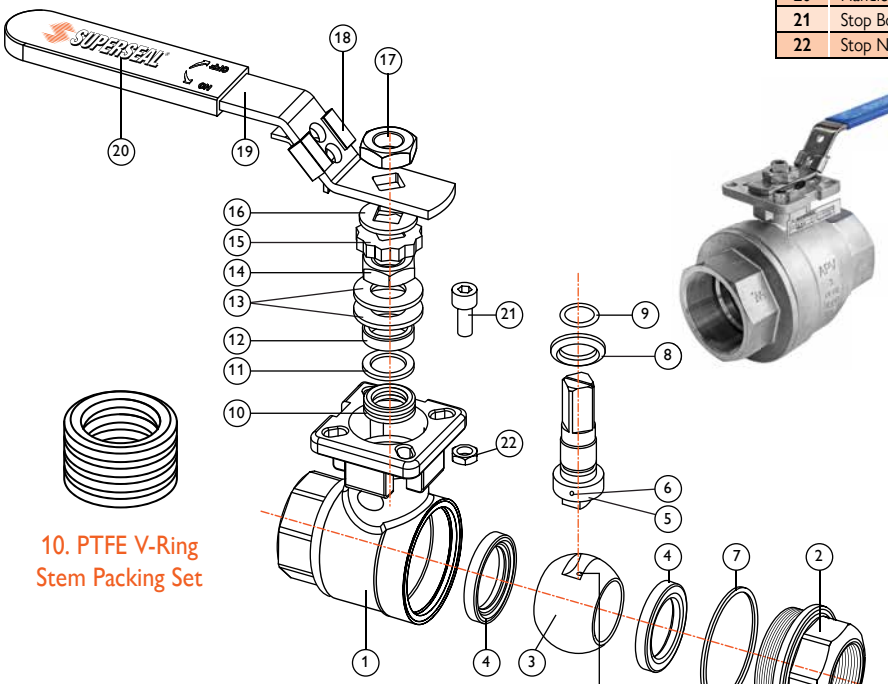
HIGH CYCLE STEM SEAL SYSTEM 2000PSI 2 PIECE BALL VALVES 660-L200H

FEATURES

- High Cycle Triple Barrier Stem Seal System
- V-Type Packing for Maximum Stem Sealing
- Full Port DN 8NB~80NB (1/4"- 3")
- 2000PSI (13790 kPa) for 25NB
  1500PSI (10342 kPa) for 32~80NB
- Long life for Actuated Valve Applications
- Belleville Washer Set for
  Automatic Compression of Stem Sealing
- Direct Mount Pad (ISO 5211)
- TA Luft Fugitive Emission Compliant
- Precision Investment Heavy 2 Piece Cast Body
- Blow-Out Proof Stem
- Available in Carbon Steel or Stainless Steel
- Various End Connections Available
  (NPT, ISO 7/1, ISO 228/1, BSP, DIN 2999, DIN 259, etc.)

MATERIALS LIST

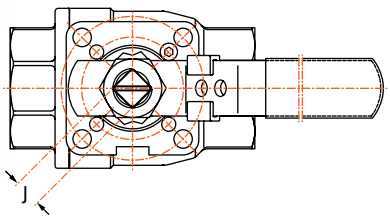
No.	Part Name	Quantity	Material
1	Body	1	WCB/CF8M
2	End Cap	1	WCB/CF8M
3	Ball	1	SUS316
4	Ball Seat	2	TFM4215/TFM 1600/(RPTFE)
5	Stem	1	SUS316
6	Antistatic Device	1	SUS316
7	Body Gasket	1	PTFE/TFM1600
8	Energised Stem Seal	1	PTFE/TFM1600/RTFE
9	O-Ring	1	FKM
10	Stem Packing Set	2 or 4	PTFE V- Rings
11	Bushing	2	50% SS+50% PTFE
12	Gland	1	SUS316
13	Belleville Washers	2	SUS301
14	Stem Nut	1	A194-8/SUS304
15	Stop-Lock Cap	1	SUS304
16	Handle Gland	1	SUS304
17	Handle Nut	1	A194-8/SUS304
18	Lock Device	1	SUS304
19	Handle	1	SUS304
20	Handle Sleeve	1	Vinyl Plastic
21	Stop Bolt	1	A2-70/SUS304
22	Stop Nut	1	A2-70/SUS304

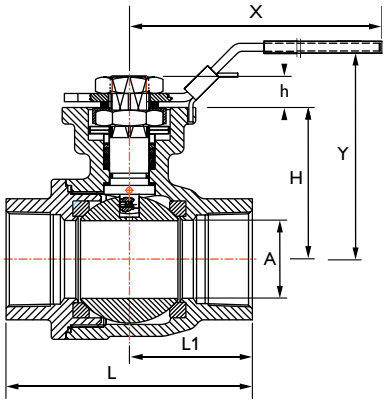


10. PTFE V-Ring
Stem Packing Set

Pressure
Balance
Hole

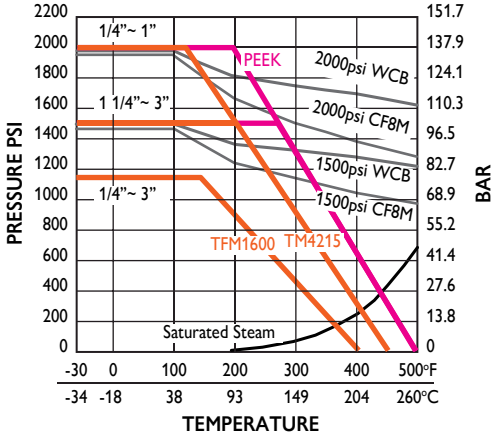
Direct Mount Pad





PRESSURE/TEMPERATURE RATING

Full Bore - 2000 PSI (8~25NB) 1500 PSI (32~80NB)



DIMENSIONS & TORQUE (MM & NM)

Size	8	10	15	20	25	32	40	50	65	80
	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"
A	10.6	12.7	15.0	20.0	25.0	32.0	38.0	50.0	63.5	76.0
h	9.0	9.0	9.0	9.0	11.0	11.0	14.0	14.0	17.0	17.0
H	43.1	43.1	43.1	50.7	58.5	63.0	73.5	83.0	102.3	110.7
L	62	62	75	80	90	110	120	140	185	205
L1	29.0	29.0	34.5	37.0	45.0	51.0	60.0	70.0	92.5	102.5
J	9	9	9	9	11	11	14	14	17	17
X	147	147	147	147	177	177	197	197	267	267
Y	74	74	74	82	90	94	107	117	151	160
Torque Nm	7	8	8	9	16	26	37	55	85	146

This catalogue is general in it's nature and design and can vary at any time. This catalogue is to be used as a guide only.

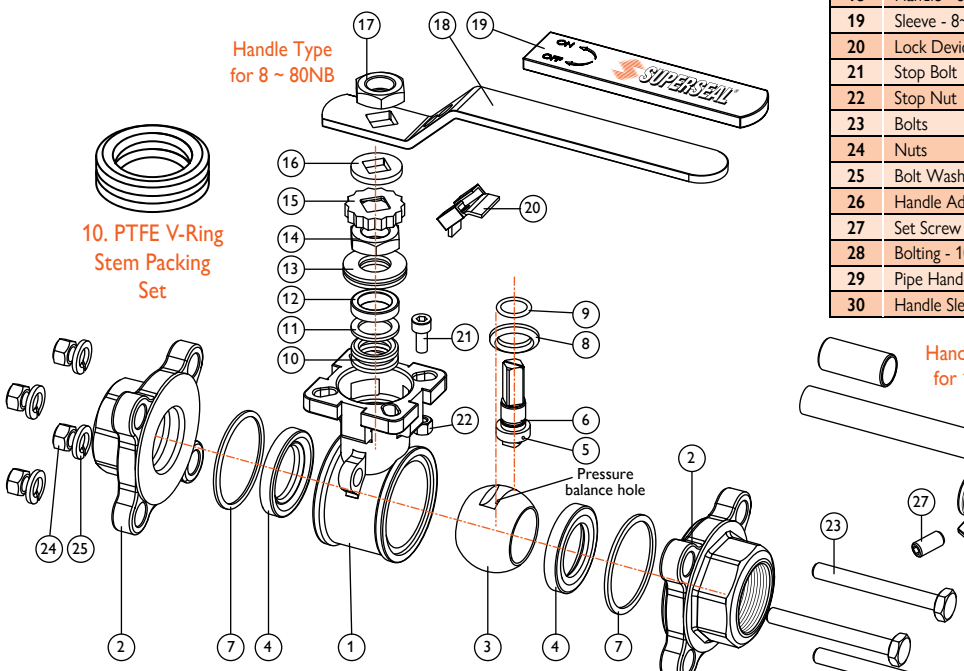
HIGH CYCLE STEM SEAL SYSTEM 1000PSI 3-PIECE BALL VALVES VT-3-L300

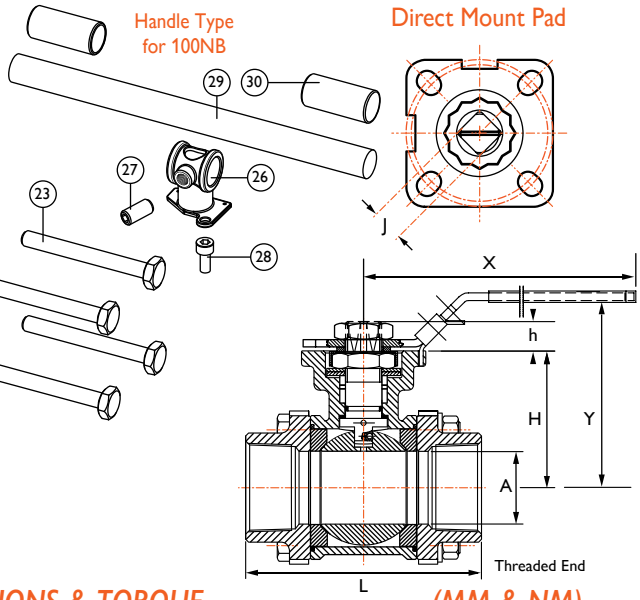
FEATURES

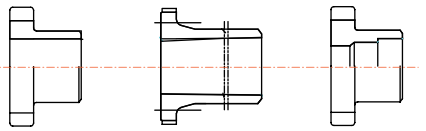
- High Cycle Triple Barrier Stem Seal System
- V-Type Packing for Maximum Stem Sealing
- Full Port DN 8NB~100NB (1/4”- 4”)
- 1000PSI (6895 kPa)
- Long life for Actuated Valve Applications
- Belleville Washer Set for Automatic Compression of Stem Sealing
- Direct Mount Pad (ISO 5211)
- TA Luft Fugitive Emission Compliant
- Precision Investment Heavy 3 Piece Cast Body
- Blow-Out Proof Stem
- Available in Carbon Steel or Stainless Steel
- Various End Connections Available (NPT, BSP, SW, BW etc.)

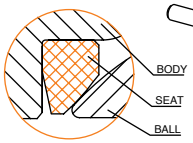
MATERIALS LIST

No.	Part Name	Quantity	Material
1	Body	1	WCB/CF8M
2	End Cap	1	WCB/CF8M
3	Ball	1	SUS316
4	Seats	2	PTFE
5	Stem	1	SUS316
6	Antistatic Device	1	SUS316
7	Body Gasket	1	PTFE/TFM1600
8	Energised Stem Seal	1	PTFE/TFM1600/RTFE
9	O-Ring	1	FKM
10	Stem Packing Set	2 or 4	PTFE V-Rings
11	Bushing	2	50% SS+50% PTFE
12	Gland	1	SUS316
13	Belleville Washer	2	SUS301
14	Stem Nut	1	A194-8/SUS304
15	Stop-Lock Cap	1	SUS304
16	Handle Gland	1	SUS304
17	Handle Nut - 8~80NB (1/4”~3”)	1	A194-8/SUS304
18	Handle - 8~80NB (1/4”~3”)	1	SUS304
19	Sleeve - 8~80NB (1/4”~3”)	1	Vinyl Plastic
20	Lock Device - 8~80NB (1/4”~3”)	1	SUS304
21	Stop Bolt	1	A2-70/SUS304
22	Stop Nut	1	A2-70/SUS304
23	Bolts	4	A193-B8
24	Nuts	4	A193-8
25	Bolt Washer	4	SUS304
26	Handle Adaptor - 100NB (4”)	1	A351-CF8
27	Set Screw - 100NB (4”)	1	A2-70/SUS304
28	Bolting - 100NB (4”)	1	A2-70/SUS304
29	Pipe Handle - 100NB (4”)	1	A53+Plated Zn
30	Handle Sleeve - 100NB (4”)	2	Vinyl Plastic









DIMENSIONS & TORQUE (MM & NM)

Size	8	10	15	20	25	32	40	50	65	80	100
	1/4”	3/8”	1/2”	3/4”	1”	1-1/4”	1-1/2”	2”	2-1/2”	3”	4”
A	10.6	12.7	15.0	20.0	25.0	32.0	38.0	50.0	63.5	76.0	100
h	9.0	9.0	9.0	9.0	11.0	11.0	14.0	14.0	17.0	17.0	22.0
H	42	42	42	48.5	58.5	63	71.3	78.2	100	108.5	140.0
L	75	75	75	80	90	110	120	140	185	205	240
J	9.0	9.0	9.0	9.0	11.0	11.0	14.0	14.0	17.0	17.0	22.0
X	147	147	147	147	177	177	197	197	267	267	400
Y	72	72	72	79	89	93	103	110	150	159	212
Torque Nm	4.5	4.5	5	6	11	19	26	38	59	101	148.0

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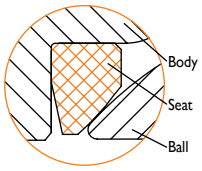
HIGH CYCLE STEM SEAL SYSTEM 1000PSI 3-PIECE BALL VALVES VT-3-M300

FEATURES

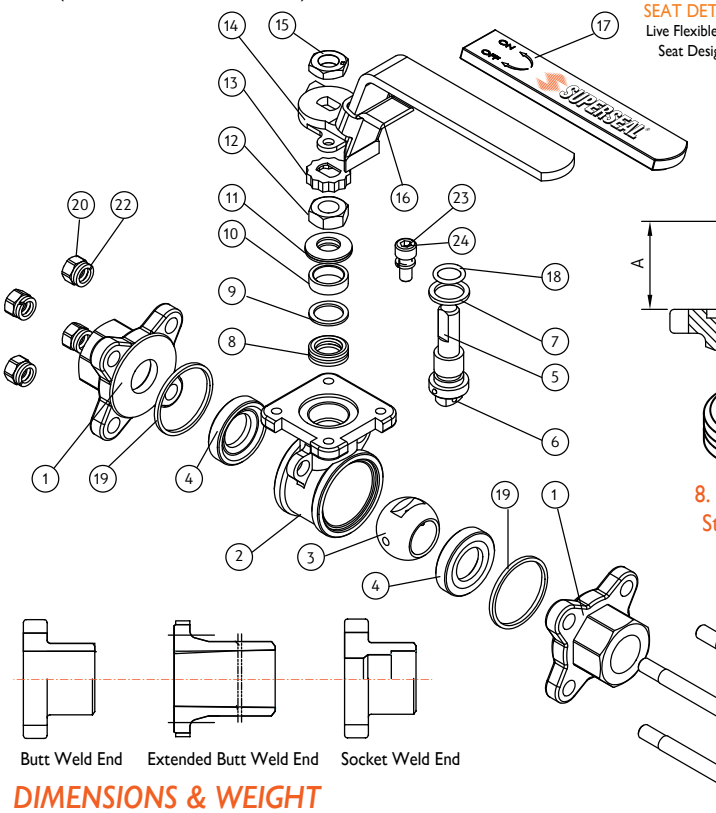
- High Cycle Triple Barrier Stem Seal System
- V-Type Packing for Maximum Stem Sealing
- Full Port DN 8NB~80NB (1/4"- 3")
- 1000PSI (6895 kPa) for 8~80NB
- Long life for Actuated Valve Applications
- Belleville Washer Set for Automatic Compression of Stem Sealing
- Mount Pad (ISO 5211)
- TA Luft Fugitive Emission Compliant
- Precision Investment Heavy 3 Piece Cast Body
- Blow-Out Proof Stem
- Available in Carbon Steel or Stainless Steel
- Various End Connections Available (NPT, BSP, SW, BW etc.)

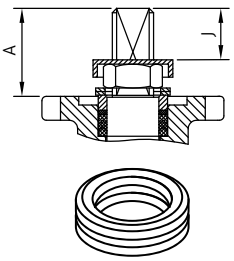


SEAT DETAIL
Live Flexible Lip Seat Design

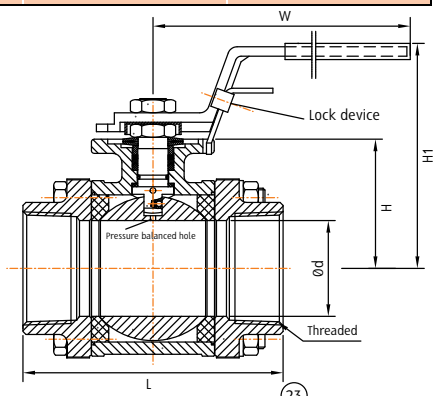
MATERIALS LIST

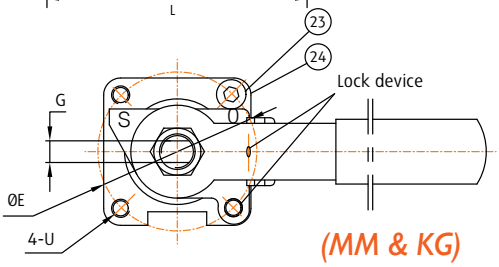
No.	Part Name	Material
1	End Cap	WCB/CF8M
2	Body	WCB/CF8M
3	Ball	CF8M
4	Seats	PTFE/TFM1600
5	Stem	ASTM A276 316
6	Antistatic Spring/Ball	SUS316
7	Stem Thrust Seal	PTFE
8	Packing	V-Type PTFE
9	Bushing	50% SS+50% PTFE
10	Gland	AISI 316
11	Belleville Washer Set	AISI 301
12	Stem Nut	ASTM A194-8
13	Stop-Lock-Cap	AISI 304
14	Handle	ASTM A351 CF8
15	Handle Nut	ASTM A194-8
16	Lock Device	AISI 304
17	Handle Sleeve	Vinyl Plastic
18	O-Ring	FKM
19	Body Gasket	PTFE
20	Nuts	AISI 304/316
21	Bolts	ASTM A193-B8/BM
22	Washers	AISI 304/316
23	Stop Bolt	A2-70
24	Washer	AISI 304/316





8. PTFE V-Ring Stem Packing Set





Butt Weld End | Extended Butt Weld End | Socket Weld End

DIMENSIONS & WEIGHT (MM & KG)

Size DN	8	10	15	20	25	32	40	50	65	80
Size inch	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"
L	68.0	68.0	73.0	80.0	90.0	110.0	120.0	140.0	185.0	205.0
d	10.6	12.7	15.0	20.0	25.0	32.0	38.0	50.0	63.5	76.0
H	29.5	29.5	35.5	38.5	45.5	51.0	60.5	68.5	86.5	94.5
H1	76.0	76.0	83.0	88.0	98.0	103.0	110.0	119.0	147.0	155.0
W	135	135.0	135.0	135.0	170.0	170.0	200.0	200.0	250.0	250.0
E	42.0	42.0	42.0	42.0	50.0	50.0	70.0	70.0	102.0	102.0
G	6.3	6.3	6.3	6.3	9.0	9.0	9.6	9.6	16.0	16.0
K	3/8-24UNF	3/8-24UNF	3/8-24UNF	3/8-24UNF	3/16-18UNF	3/16-18UNF	3/16-18UNF	5/8-18UNF	7/8-14UNF	7/8-14UNF
U	M5	M5	M5	M5	M6	M6	M8	M8	M10	M10
A	17.3	17.3	20.3	20.3	23.3	23.3	23.8	23.8	42.5	42.5
J	10.4	10.4	11.8	11.8	12.5	12.5	15.1	15.1	23.5	23.5
ISO 5211	F04	F04	F04	F04	F05	F05	F07	F07	F10	F10
Weight	0.64	0.65	1.50	2.09	3.09	4.87	6.59	9.92	18.5	27.1

This catalogue is general in it's nature and design and can vary at any time. This catalogue is to be used as a guide only.

3-PIECE BALL VALVES 2000PSI BV100-KL800

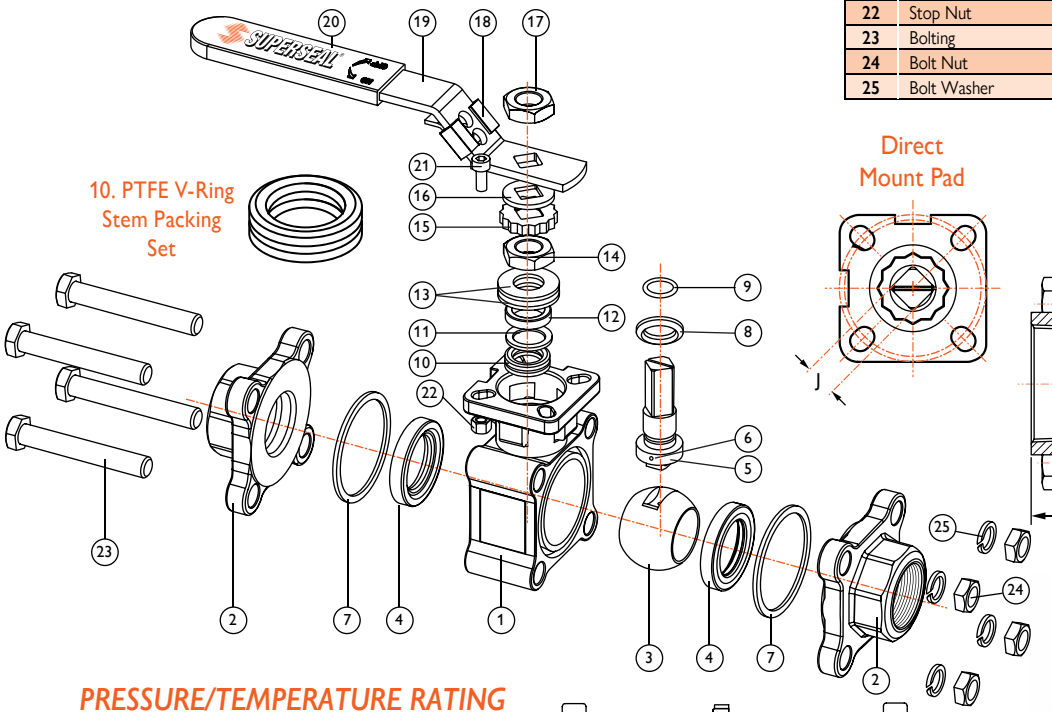
FEATURES

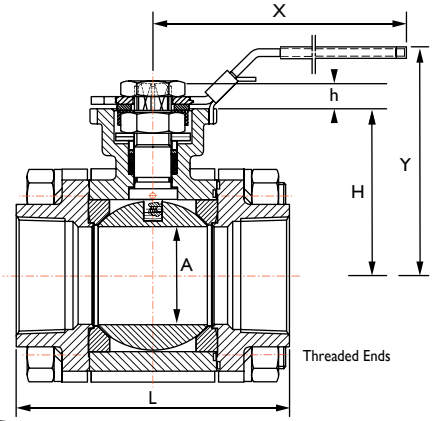
- High Cycle Triple Barrier Stem Seal System
- True Swing Out Centre
- V-Type Packing for Maximum Stem Sealing
- Full Port DN 8NB~50NB (1/4"- 2")
- 2000PSI (13790 kPa) for 25NB
  1500PSI (10342 kPa) for 32~50NB
- Long life for Actuated Valve Applications
- Belleville Washer Set for Automatic Compression of Stem Sealing
- Direct Mount Pad (ISO 5211)
- Inside Bolting
- TA Luft Fugitive Emission Compliant
- Precision Investment Cast Heavy 3 Piece Body
- Blow-Out Proof Stem
- Antistatic Design
- Various End Connections Available (NPT, BSP, SW, BW etc.)

50NB

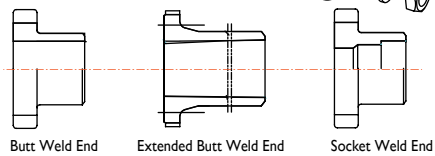
MATERIALS LIST

No.	Part Name	Quantity	Material
1	Body	1	WCB/CF8M
2	End Cap	1	WCB/CF8M
3	Ball	1	SUS316
4	Ball Seat	2	TFM4215/TFM 1600/(RPTFE)
5	Stem	1	SUS316
6	Antistatic Device	1	SUS316
7	Body Gasket	1	PTFE/TFM1600
8	Energised Stem Seal	1	PTFE/TFM1600/RTFE
9	O-Ring	1	FKM
10	Stem Packing Set	2 or 4	PTFE V-Rings
11	Bushing	2	50% SS+50% PTFE
12	Gland	1	SUS316
13	Belleville Washers	2	SUS301
14	Stem Nut	1	A194-8/SUS304
15	Stop-Lock Cap	1	SUS304
16	Handle Gland	1	SUS304
17	Handle Nut	1	A194-8/SUS304
18	Lock Device	1	SUS304
19	Handle	1	SUS304
20	Handle Sleeve	1	Vinyl Plastic
21	Stop Bolt	1	A2-70/SUS304
22	Stop Nut	1	A2-70/SUS304
23	Bolting	4	A193-B8/A2-70/SUS304
24	Bolt Nut	4	A193-8/A2-70/SUS304
25	Bolt Washer	4	SUS304

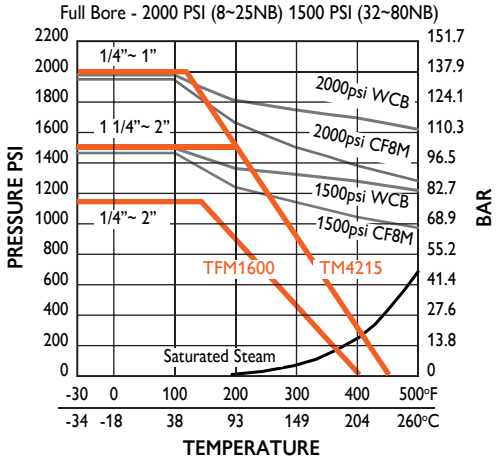




8NB~32NB



PRESSURE/TEMPERATURE RATING



DIMENSIONS & TORQUE (MM & NM)

Size	8	10	15	20	25	32	40	50
	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
A	10.6	12.7	15.0	20.0	25.0	32.0	38.0	50.0
h	9.0	9.0	9.0	9.0	11.0	11.0	14.0	14.0
H	43	43	43	51	58	63	75	86
L	75	75	75	80	90	110	120	140
J	9.0	9.0	9.0	9.0	11.0	11.0	14.0	14.0
X	147	147	147	147	177	177	197	197
Y	73	73	73	81	88	93	107	118
Torque Nm	7	8	8	9	16	26	37	55

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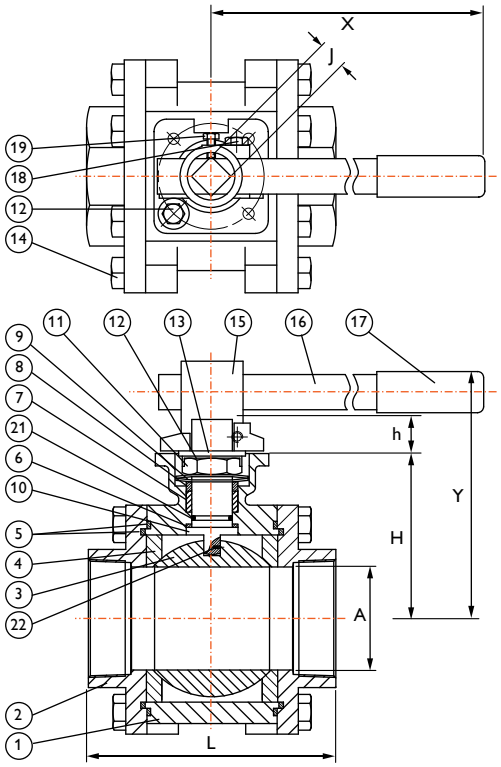
HIGH PRESSURE 1500/2000PSI 3-PIECE BALL VALVES BV100-3700

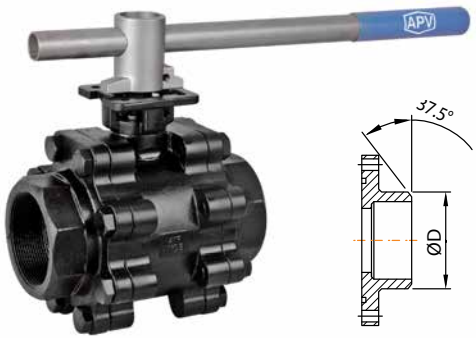
FEATURES

- High Cycle Triple Barrier Stem Seal System
- Full Port DN 65NB~100NB (2 1/2"- 4")
- 2000PSI (13780 kPa) 65NB~80NB
  1500PSI (10335 kPa) 100NB
- Long life for Actuated Valve Applications
- Belleville Washer Set for Automatic Compression of Stem Sealing
- Direct Mount Pad (ISO 5211)
- Precision Investment Heavy 3 Piece Cast Body
- Blow-Out Proof Stem
- Available in Carbon Steel or Stainless Steel
- Various End Connections Available
  (NPT, ISO 7/1, ISO 228/1, BSP, SW, BW, etc.)



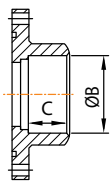
MATERIALS LIST

No.	Part Name	Stainless Steel	Carbon Steel	Quantity
1	Body	ASTM A351 CF8M	ASTM A216 WCB	1
2	End Cap	ASTM A351 CF8M	ASTM A216 WCB	2
3	Ball	ASTM A351 CF8M/316	ASTM A351 CF8/304	1
4	Seats	PTFE / R-TFE	PTFE / R-TFE	2
5-1	Body Gasket - Outer	Graphite/PTFE	Graphite / PTFE	2
5-2	Body Gasket - Inner	PTFE	PTFE	2
6-1	Thrust Washer	Graphite/PTFE	Graphite/PTFE	1
6-2		PTFE	PTFE	1
7	Stem Packing	Graphite/PTFE	Graphite/PTFE	2
8	Gland	AISI 304	AISI 304	1
9	Belleville Washer	AISI 301	AISI 301	2
10	Stem	ASTM A276 316	ASTM A276 304	1
11	Gland Nut	AISI 304	AISI 304	1
12	Lock Clip	AISI 304	AISI 304	1
13	Flat Washer	AISI 304	AISI 304	1
14	Body Bolt	ASTM A193 B8	ASTM A193 B7	12-16
15	Handle	ASTM A351 CF8	CARBON STEEL	1
16	Steel Pipe	AISI 304	CARBON STEEL	1
17	Sleeve	Vinyl Plastisol	Vinyl Plastisol	1
18	Fixing Screw (Pipe)	AISI 304	CARBON STEEL	1
19	Fixing Screw (Stem)	AISI 304	CARBON STEEL	1
20	Stop Pin	AISI 304	CARBON STEEL	1
21	Stem O-Ring	Viton / NBR	Viton / NBR	1
22	Antistatic Device	AISI 316	AISI 316	1



Butt Weld

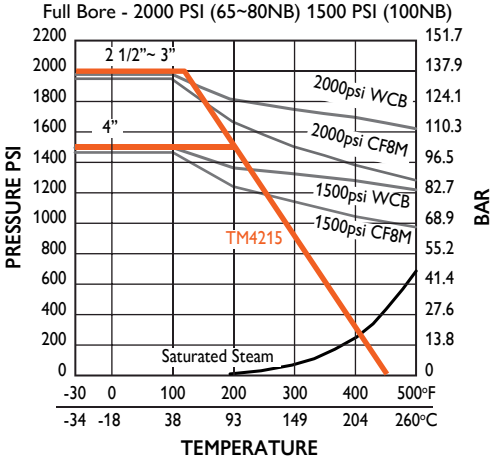
AGA (APV)
AS 4617



Socket Weld

PRESSURE/TEMPERATURE RATING

Full Bore - 2000 PSI (65~80NB) 1500 PSI (100NB)



DIMENSIONS, WEIGHT & TORQUE (MM, KG & NM)

Size	65	80	100
	2-1/2"	3"	4"
A	65	80	100
h	24	24	29
H	116.5	127.0	159.0
L	185	205	240
J	22	22	27
X	460	460	600
Y	173	184	242
ØB	73.9	89.8	115.2
ØD	76.3	89.1	114.3
C	17	17	20
ISO 5211	F07-F10	F07-F10	F10
Weights Kg	13.4	21.0	34.4
Torque Nm	85	96	185

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SPRING RETURN DEADMAN HANDLE KITS FOR QUARTER TURN VALVES S71

FLOWTURN®

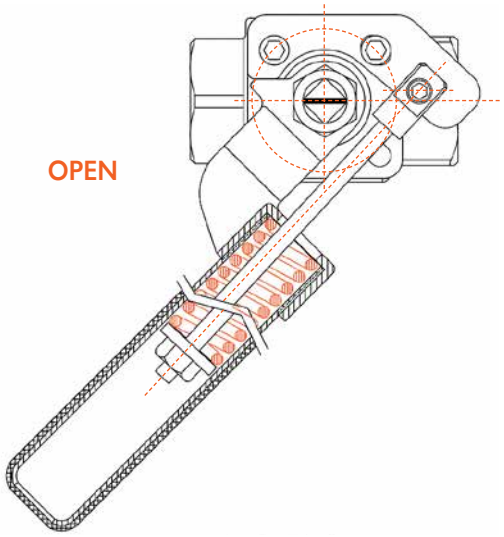
FEATURES

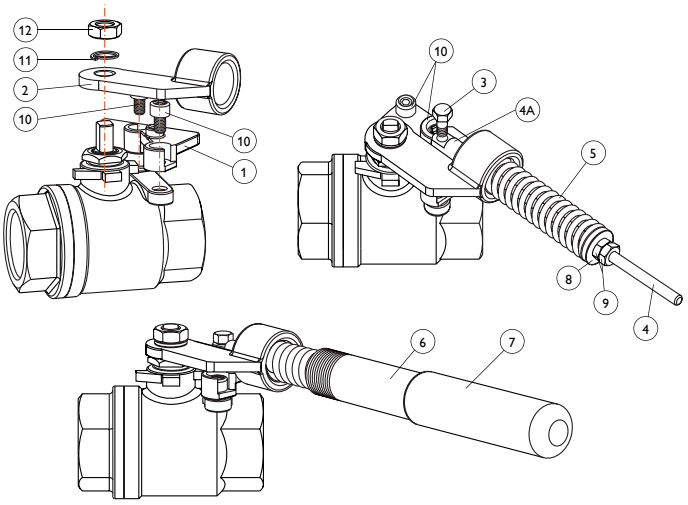
- All components of lever are stainless steel
- Operating torque should be sized according to valve torque, media, pressure and safety.
- Can be fitted on 1P, 2P, 3P valve
- Available in ISO F03 to F07
- 55CrSi Spring Material

MATERIALS LIST

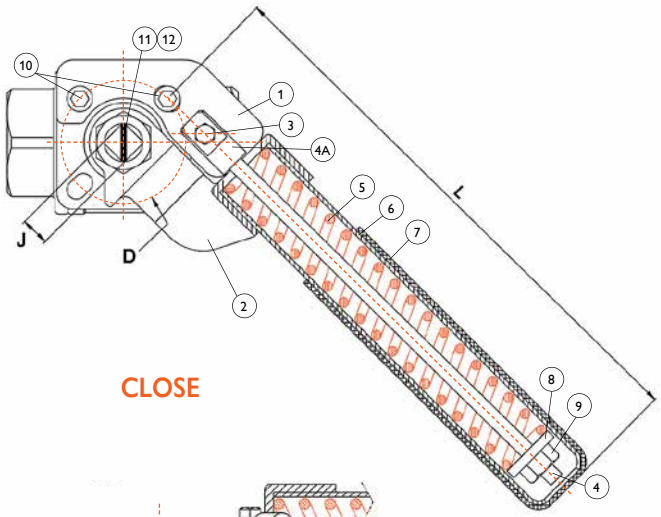
Item	Part Name	Quantity	Materials
1	Handle Head	1	CF8
2	Anchor	1	CF8
3	Anchor Screw	1	SS 304
4	Spring Rod	1	SS 304
4A	Spring Rod Anchor	1	SS 304
5	Spring	1	SS 301
6	Handle Extension	1	SS 304
7	Sleeve	1	PVC
8	Washer	2	SS 304
9	Hex Nut	2	SS 304
10	Socket Head Screws	2	SS 304
11	Washer	1	SS 304
12	Nut	1	SS 304

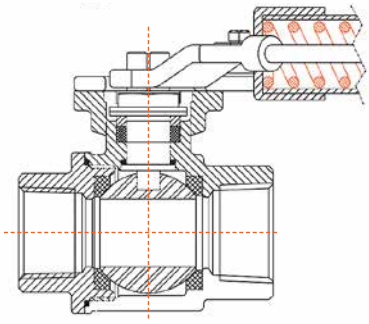
OPEN





CLOSE

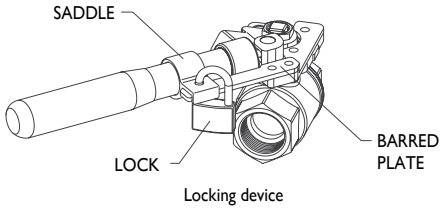




DIMENSIONS & TORQUE

Kit Part No.	L	J*	D (ISO 5211)	Torque
S71-504-00	170	9	F03/F04	15Nm
S71-507-00	207	9	F03/F04	20Nm
S71-507-01	220	11	F04/F05	20Nm
S71-508-00	275	11	F04/F05	30Nm
S71-508-01	280	14	F05/F07	30Nm
S71-509-01	450	14	F05/F07	55Nm

*Available unmachined



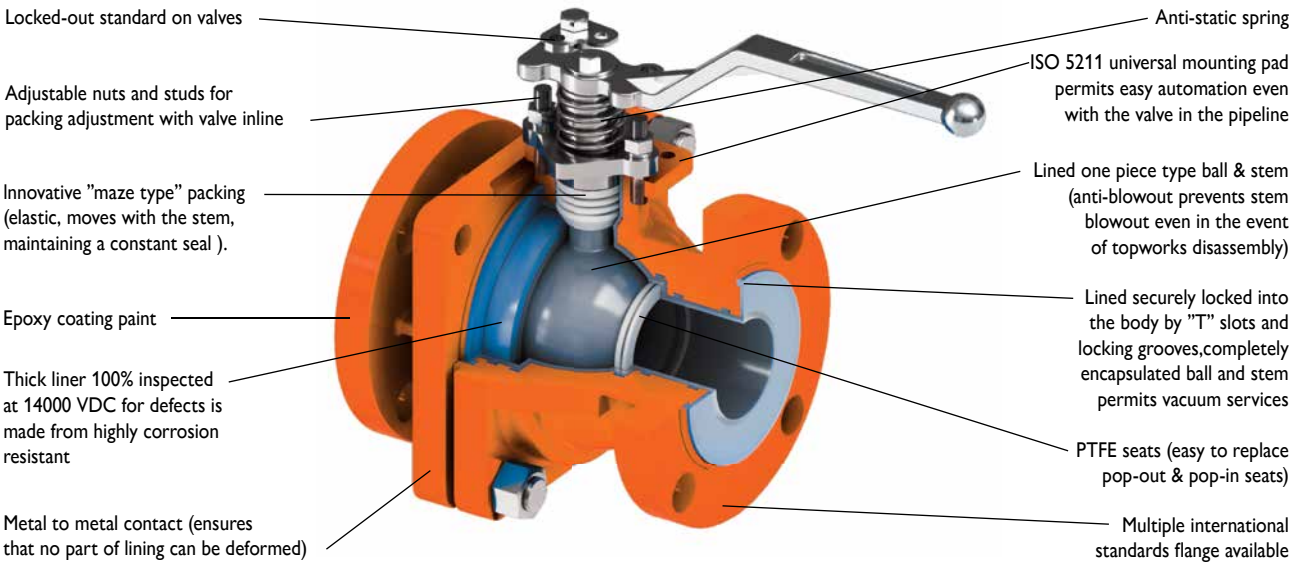
Model S71 (100NM Torque) see Flowturn Multiway & Deadman Ball Valves Catalogue

LINED BALL VALVES
DO SERIES

The DO Series ball valves are ideally suited for corrosive applications, requiring reliable performance, tight shutoff, and constant torque The valves successfully handle a multitude of corrosive applications in industries such as chemical, petrochemical, pharmaceutical, pulp and paper, foundries and mining like sulphuric acid, etc.

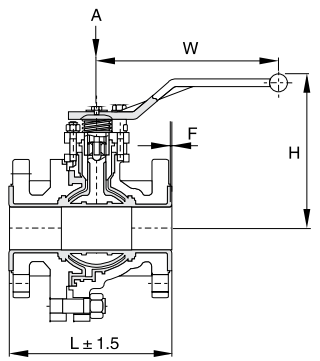
SPECIFICATIONS

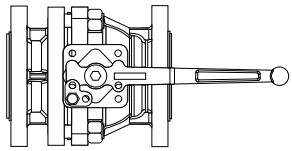
Size	1/2" -12"
Pressure	Class 150
Design Standard	API 608
Connection	Flanged, ASME B16.5
Testing	API 598
P/T	ASME B16.34
Body Material	ASTM A216 WCB, A351-CF8, Ductile Iron, etc.
Lining Material	PFA, PTFE, FEP, ETFE

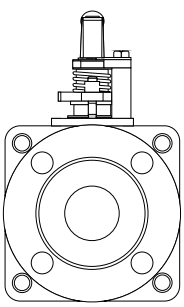


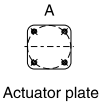
DIMENSIONS

DN	NPS	ASME 150LB			JIS 10K			DIN PN10			A	Weight	CV	Torque
mm	in	L	H	W	L	H	W	L	H	W	ISO 5211	kg		N.m
15	0.5	108	126	160	130	126	160	130	126	160	F05	3.5	20	9
20	0.75	117	126	160	150	126	160	150	126	160	F05	4.6	20	9
25	1	127	131	160	160	131	160	160	131	160	F05	5	55	9
32	1.25	140	131	160	180	131	160	180	131	160	F05	5.5	55	20
40	1.5	165	160	200	200	160	200	200	160	200	F07	11	210	20
50	2	178	170	200	230	170	200	230	170	200	F07	14	310	26
65	2.5	190	170	200	290	170	200	290	170	200	F07	19	310	26
80	3	203	230	260	310	230	260	310	230	260	F07	28.8	684	65
100	4	229	265	313	350	265	313	350	265	313	F10	44.8	1456	91
125	5	/	265	313	400	265	313	400	265	313	F10	51	1546	91
150	6	267	347	535	480	347	535	480	347	535	F12	96.2	3262	143
200	8	292	Gear Box		600	Gear Box		600	Gear Box		F14	118	4565	364
250	10	533			730			730			F14	330	10250	455
300	12	610			850			850			F16	460	17500	494



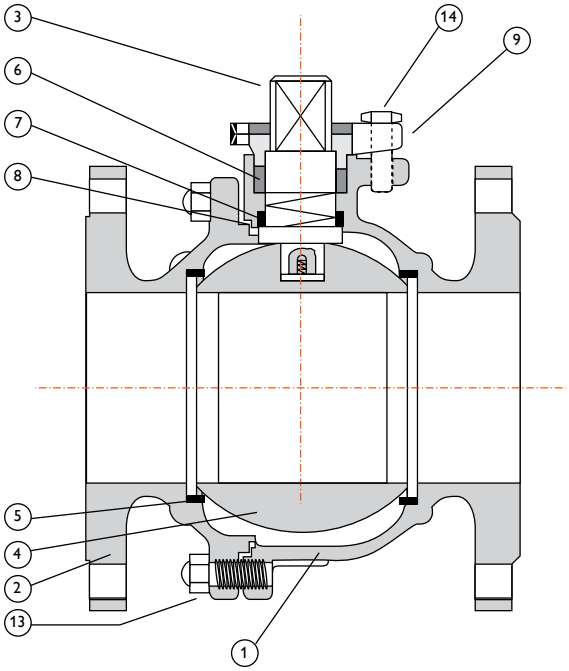




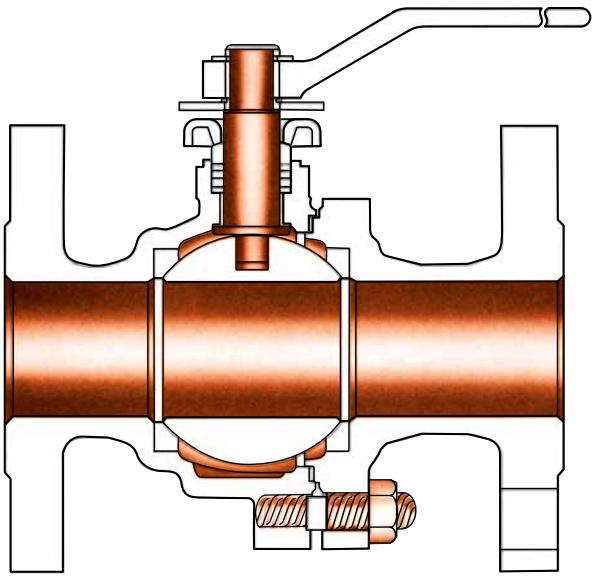


Actuator plate

FLANGED 2 PIECE BALL VALVE
SLBV01 SERIES

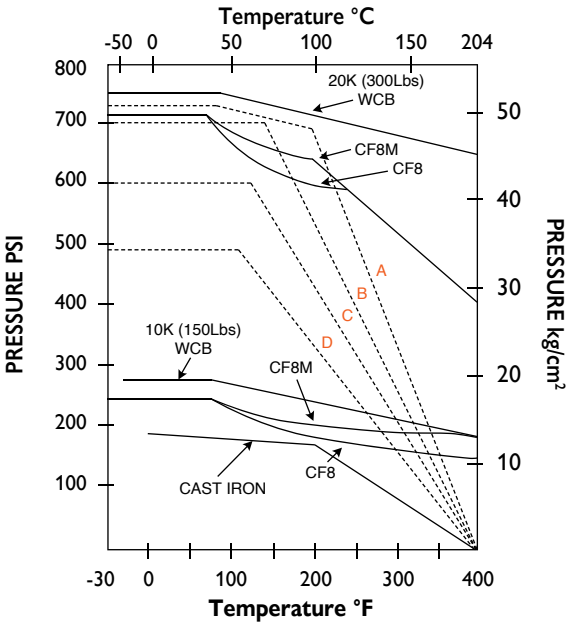


Direct Mount Pad Version



AGA (APV)
AS 4617

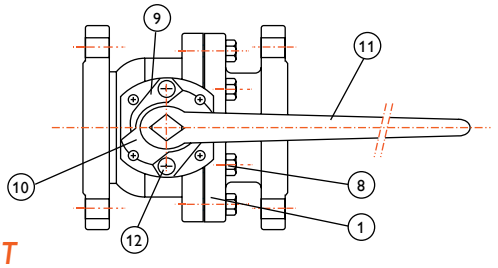
PRESSURE RATINGS WITH REINFORCED - PTFE



A. Valve size 15A (1/2") to 25A(1")
B. Valve size 40A (-1/2") to 65A(2-1/2")
C. Valve size 80A (3") to 100A(4")
D. Valve size 125A (5") to 250A(10")

Carbon PTFE will do higher temperatures.
PEEK, bronze PTFE and metal seat also available.

- Full or reduced bore, solid ball
- 2 piece split body design
- Temperature range -25 to 220°C
- Lever operated
- Floating Ball design, bidirectional sealing
- Vacuum service to 20 microns (133 pascals)
- ISO mount pad available.
- Also available in flanged AS 2129 Table D/E, AS 4087 PN10, PN14, PN16, PN25 and EN 1066-2 PN10, PN16, PN25



MATERIALS LIST

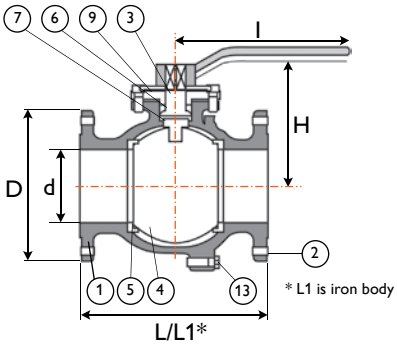
No.	Description	Iron	S/S	S/S	Steel
1	Body	FC-20	CF8	CF8M	WCB
2	Body Cap	FC-20	SUS304	SUS316	WCB
3	Stem	304 or CR13	SUS304	SUS316	316
4	Ball	304 or CR13	SUS304	SUS316	SUS304
5	Ball Seat	PTFE	PTFE	PTFE	PTFE
6	Gland Packing	PTFE	PTFE	PTFE	PTFE
7	Stem Seal	PTFE	PTFE	PTFE	PTFE
8	Joint Gasket	PTFE	PTFE	PTFE	PTFE
9	Gland Flange	FC-20	SUS304	SUS304	WCB
10	Travel Stopper	SS41	SUS304	SUS304	SS41
11	Handle	FC-20	FC-20	FC-20	FC-20
12	Gland Bolt	SS41	SUS304	SUS304	SS41
13	Body Stud/Nut	B7/2H	SUS304	SUS304	B7/2H
14	Cap Bolt	SS41	SUS304	SUS304	SS41

Indicative bill of material only. Refer as built drawing.
* Style shown Bolted Gland. Gland nut style also available. Direct Mount Pad version also available, refer as built drawing.

DIMENSION LIST ANSI 125 & 150 UNIT/MM

Size	Inch	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4	5	6	8	10
	mm	15	20	25	32	40	50	65	80	100	125	150	200	250
d		15	20	25	32	38	50	64	78	98	123	148	200	250
L		108	117	127	140	165	178	190	203	230	356	394	457	533
L1 (Iron Body)							200	220	250	280	320	360	292/452	
D		89	98	108	117	127	152	178	190	229	254	279	343	406
H		90	90	110	110	130	140	155	180	180	230	260	290	420
I		75	75	75	75	230	230	340	340	340	380	510	720	†
KG		3	3	4	5	10	11	17	23	40	100	105	170	239
CV		10	20	50	130	160	330	450	600	1200	2700	3300	9000	12000

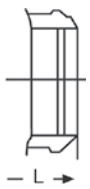
* Torque is maximum breakaway at maximum differential (running torque is 1/3 of breakaway). Only a 20% safety factory is included.
† Over 200NB (8") are gear operated.



DIMENSION LIST ANSI 300LB UNIT/MM

Size	Inch	1	1-1/2	2	2-1/2	3	4	6	8
	mm	25	40	50	65	80	100	150	200
d		25	38	50	64	78	98	148	200
L		165	190	216	241	283	305	403	502
D		125	156	165	191	210	254	318	381
H		94	115	120	155	162	191	290	340
I		160	230	230	400	400	750	1000	†
KG		5	10	16	22	31	52	105	170
CV		50	150	330	450	600	1200	3300	9000

* Torque is maximum breakaway at maximum differential (running torque is 1/3 of breakaway). Only a 20% safety factory is included.
† Over 150NB (6") are gear operated.



Buttweld ends also available

This brochure is general and subject to change without notice

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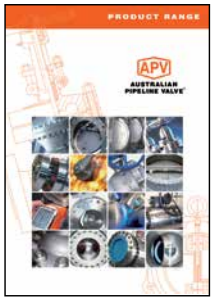
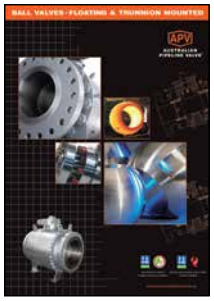
AUSTRALIAN PIPELINE VALVE BRAND RANGE - CATALOGUES

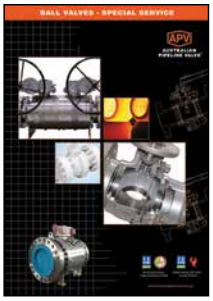


Product Brochure



Ball Valves Floating & Trunnion Mounted

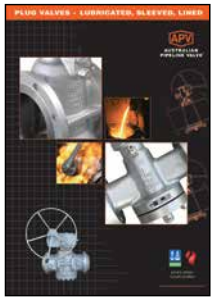
Ball Valves Floating Small Bore



Ball Valves Special Service

Gate, Globe & Check Valves - Cast Steel

Gate, Globe & Check Valves - Forged Steel



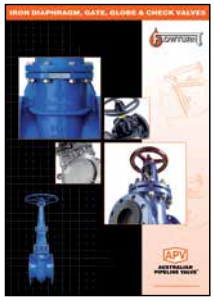
Plug Valves Lubricated, Sleeved & Lined

Oilfield Products Valves & Wellheads

APV FAMILY OF BRANDS RANGE - CATALOGUES

Diamond Gear Gearboxes

Flowturn Ball Valves Multiway & Deadman



Flowturn Gate, Globe & Check Valves

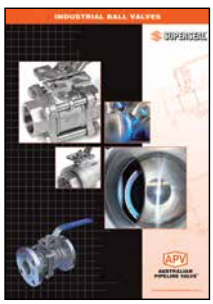
Flowturn Instrument Valves

Flowturn Strainers & Sight Glasses

Steamco Steam Valves

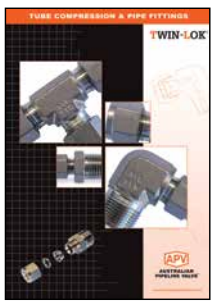
Supercheck Wafer Check Valves

Superseal Butterfly Valves

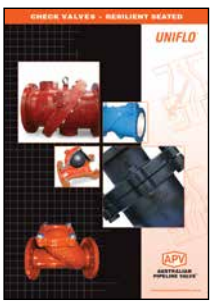


Superseal Industrial Ball Valves

Torqturn Actuators



TwinLok Tube & Pipe Fittings



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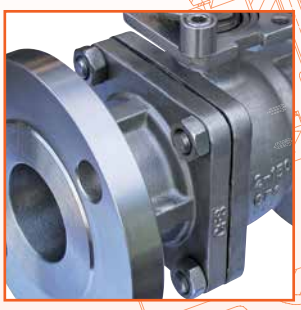

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We are continually improving all facets of quality assurance. Full metallurgical and test certificates are always supplied for all pressure retaining parts, we also provide it on all major trim components.

We have endeavoured to provide a broad outline of our range and capabilities. Because we are continually developing new products for our customers this catalogue will, to some extent be incomplete. This catalogue is a general overview only, individual drawings and data sheets can be furnished on request.

If you have any requirement in the field of valves, please contact us for a prompt response. Continuous development of Australian Pipeline Valve products may necessitate changes in the design or manufacturing processes. Australian Pipeline Valve reserves the right to effect any such changes without prior notice.

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