

SLFSBV01 Series

Floating Type Ball Valves



FIRESAFE CERTIFIED API607 5TH EDITION AND API6FA 3RD EDITION
AUSTRALIAN PIPELINE VALVE

2 PIECE, SPLIT BODY, FULL BORE, ANSI 150 - 1500LB

ASTM A351 - CF8M & CF8 AND ASTM A216 - WCB

Also available in Monel, Duplex, Alloy20 etc.
 NACE MR0175 (Class III Bolting) for Sour Service
 ISO 5211 top flange for Actuation (optional)

- 10" & over trunnion mounted *
- Full bore solid ball
- Investment Cast (Forged also available)
- Split Body 2 piece design
- Available in Carbon or Stainless steel body construction
- Anti Blow-Out Stem
- Anti-Static Device
- Firesafe Design to API607 and API6FA
- Temperature Range -25 to 230°C
- Also available in metal seats and PEEK seats

* 10" 150 available in floating and trunnion

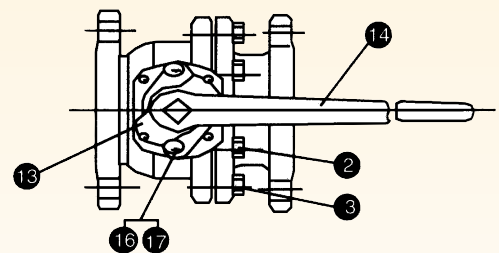
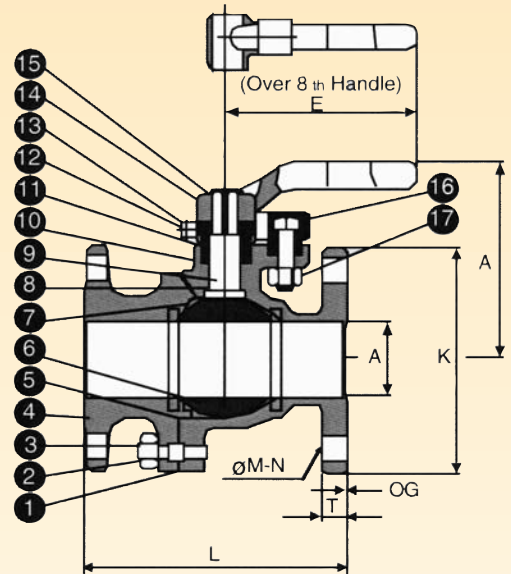


No	Part Name	Stainless Steel CF8M	Carbon Steel	Stainless Steel CF8
1	Body *4	ASTM A351 Gr. CF8M	ASTM A216 Gr. WCB	ASTM A351 Gr. CF8
2	Nut *3	ASTM A194 Gr. 8	ASTM A94 Gr. 2H	ASTM A194 Gr. 8
3	Bolt *3	ASTM A193 Gr. B8	ASTM A194 Gr. B7	ASTM A193 Gr. B8
4	Cap	ASTM A351 Gr. CF8M	ASTM A216Gr. WCB	ASTM A351 Gr. CF8
5	Body Gasket	PTFE	Graphoil/Spiral	PTFE
6	Ball	ASTM A351 Gr. CF8M	ASTM A216 Gr. CF8	ASTM A351 Gr. CF8
7	Seat *1	Reinforced TFE (Carbon or Glass)	Reinforced TFE (Carbon or Glass)	Reinforced TFE
8	Thrust Washer	PTFE	PTFE	PTFE
9	Stem	ASTM A276 Gr. 316	ASTM A276 Gr. 304	ASTM A276 Gr. 304
10	Packing	PTFE or Graphoil	Graphoil	PTFE or Graphoil
11	Bearing	PTFE	PTFE	PTFE
12	Gland	ASTM A351 Gr. CF8	ASTM A351 Gr. CF8	ASTM A351 Gr. CF8
13	Stopper	ASTM A276 Gr. 304	ASTM A276 Gr. 304	ASTM A276 Gr. 304
14	Handle *2	ASTM A536 Gr. FCD45	ASTM A536 Gr. FCD45	ASTM A536 Gr. FCD45
15	Snap Ring	ASTM A276 Gr. 304	ASTM A276 Gr. 304	ASTM A276 Gr. 304
16	Gland Nut	ASTM A194 Gr. 8	ASTM A194 2H	ASTM A194 Gr. 8
17	Gland Bolt	ASTM A193 Gr. B8	ASTM A193 B7	ASTM Gr. B8

- * 1 Also available in "PEEK" or CPTFE for high temperature
- * 2 Gear operator: 250NB 300# & over; 300 NB 150# & over
- * 3 NACE class 1 or II on request
- * 4 Also available in Forged

Standards	
Face to Face	ANSI B16.10
Flange Dimensions	ANSI B16.5
Wall Thickness	ANSI B16.34
Basic Design	API600
Testing	API598
Firesafe Design	API607

Test Pressure	Shell	Seat
Air	80 PSIG	80 PSIG
Hydrostatic 150#	425 PSIG	325 PSIG
Hydrostatic 300#	1125 PSIG	825 PSIG
Hydrostatic 600#	2225 PSIG	1650 PSIG
Hydrostatic 900#	3350 PSIG	2450 PSIG
Hydrostatic 1500#	5575 PSIG	4100 PSIG



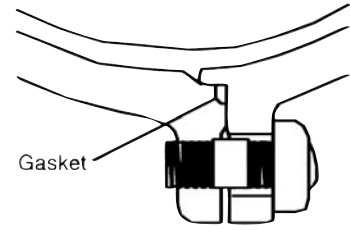
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BODY GASKET

Gasket is designed so that the outer circumference of the gasket is in metal to metal contact with the valve body flange.

BODY SEAT

The seat is carefully designed for perfect sealing at low and high pressure ranges, as well as for minimised operating torque. If the seat ring is burnt, the ball is pressed against the metal body by fluid pressure, effecting a seal.

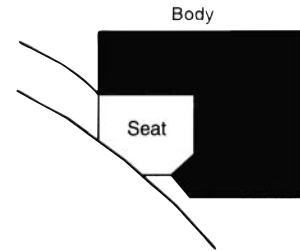


Body Gasket

DIMENSIONS

FS 150		ANSI-150LB										
Size (in)	½"	¾"	1"	1¼"	1½"	2"	2½"	3"	4"	5"	6"	8"
Size (mm)	15	20	25	32	40	50	65	80	100	125	150	200
A	15	20	25	32	38	50	64	78	98	123	148	200
L	108	117	127	140	165	178	190	203	230	356	394	457
K	89	98	108	117	127	152	178	190	229	254	279	343
D	90	90	110	110	130	140	155	175	180	230	260	290
E	75	75	75	75	230	230	340	340	340	380	510	720
Weight (kg)	2	3	3	4	7	9	16	19	33	50	65	120
Torque (inch LBS) breakaway	100	175	300	390	450	600	800	1200	2300	4000*2	5600*2	9980
CV	10	20	50	130	160	330	450	600	1200	2700	3300	9000

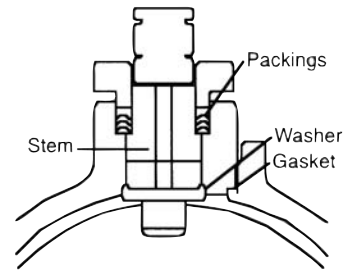
Torque is maximum breakaway at maximum differential (running torque is approx 1/3 of breakaway). A 20% factor is included, but torques assume clean wet fluids like water/oil.



Body Seat

FS 150		ANSI-150LB										
Size (in)	10"	12"	14"									
Size (mm)	250	300	350									
A	250	302	352									
L	533	610	686									
K	406	433	533									
D												
E												
Weight (kg)	160	430										
Torque (inch LBS) breakaway	11000	8000										
CV	12000											

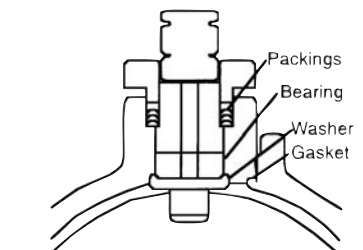
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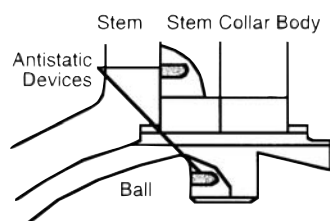
Blowout Proof Stem

FS 300		ANSI-300LB										
Size (in)	1"	1½"	2"	2½"	3"	4"	6"	8"	10"	12"		
Size (mm)	15	20	25	32	40	50	65	80	100	125		
A	25	38	50	64	78	98	148	200	250	300		
L	165	190	216	241	283	305	403	502	568	648		
K	125	156	165	191	210	254	318	381	445	520		
D	94	115	120	155	162	191	290	340	420	470		
E	160	230	230	340	400	750	1000	1500				
Weight (kg)	5	10	16	22	31	52	105	170				
Torque (inch LBS) breakaway	298	590	760	1390	1800	2800	6800	11990	21400	32000		
CV	50	160	330	450	600	1200	3300	9000				

Torque is maximum breakaway at maximum differential (running torque is approx 1/3 of breakaway). A 20% factor is included, but torques assume clean wet fluids like water/oil.



Stem and V Type Packing



Anti-Static

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DIMENSIONS

FS 600

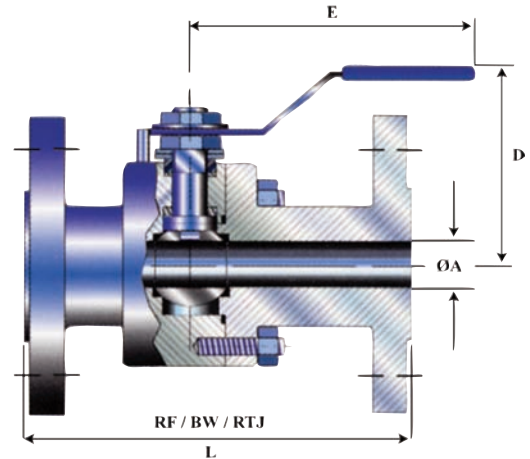
ANSI-600LB

Size (in)	½"	¾x½"	¾"	1x¾"	1"	1½x1"	1¼"	1½x¾"	1½"	2x1½"	2"
Size (mm)	15	20x15	20	25x20	25	32x25	32	40x32	40	50x40	50
A	15	15	19	19	25	25	32	32	38	38	50
D	82	82	87	87	92	92	105	105	108	108	119
E	145	145	170	170	170	170	270	270	270	270	270
L (RF)	165	190.5	190.5	216	229	229	241	241	292	292	292
L (BW)	165	190.5	190.5	216	216	229	229	241	241	292	292
L (RTJ)	163.5	190.5	190.5	216	216	229	229	241	241	295	295
Weight (kg)	5	7	7	9	10	14	15	17	18	20	22
Torque (inch BS) breakaway	18	18	21	21	45	45	80	80	91	91	125

FS 600

ANSI-600LB

Size (in)	2½x2"	2½"	3x2"	3"	4x3"	4"	6x4"		
Size (mm)	65x50	65	80x50	80	100x80	100	150x100		
A	50	65	50	76	76	102	102		
D	119	150	119	163	163	187	187		
E	270	380	270	380	380	470	470		
L (RF)	330	330	356	356	432	432	559		
L (BW)	330	330	356	356	432	432	559		
L (RTJ)	333	333	359	359	435	435	562		
Weight (kg)	27	28	33	38	75	78	150		
Torque (inch LBS) breakaway	125	140	125	195	195	350	350		



FS 900/1500

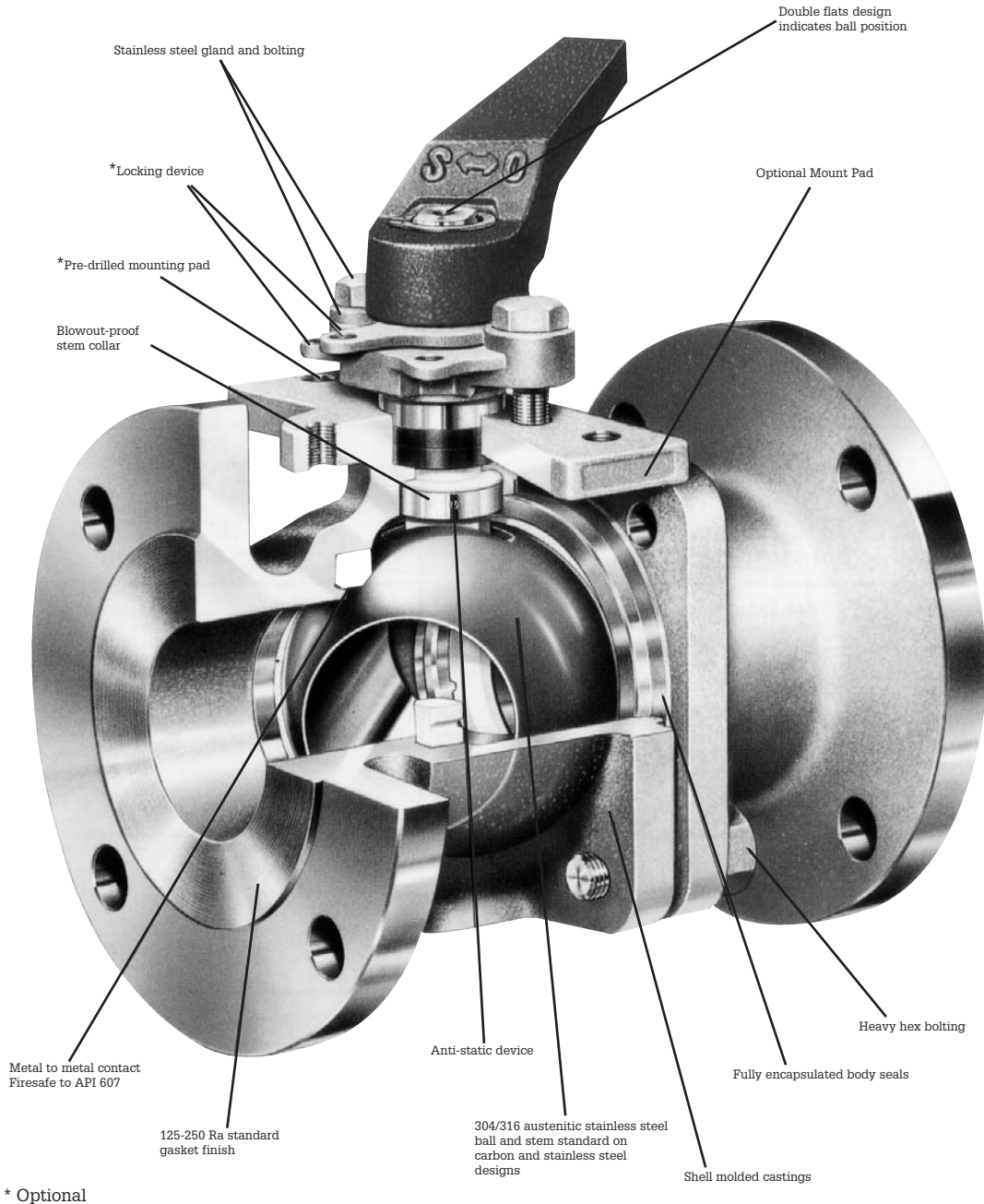
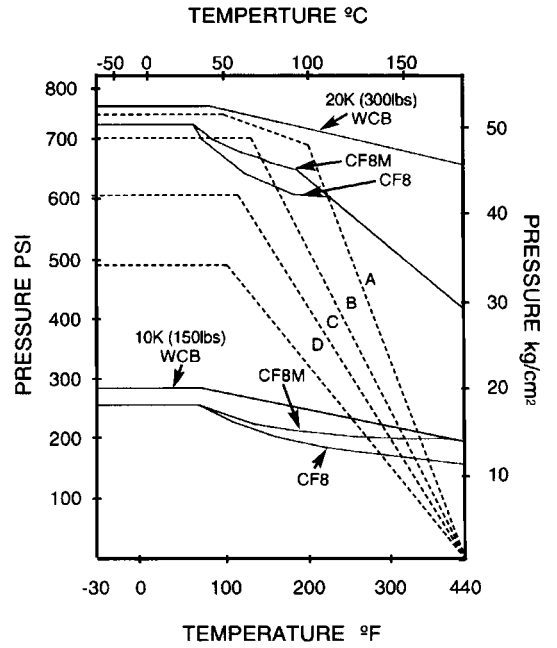
ANSI-900/1500LB

Size (in)	½"	¾x½"	¾"	1x¾"	1"	1½x1"	1¼"	1½x¾"	1½"	2x1½"	2"
Size (mm)	15	20x15	20	25x20	25	32x25	32	40x32	40	50x40	50
A	15	15	19	19	25	25	32	32	38	38	50
D	82	82	87	87	92	92	105	105	108	108	119
E	145	145	170	170	170	170	270	270	270	270	270
L (RF)	216	229	229	254	254	279	279	305	305	368	368
L (BW)	216	229	229	254	254	279	279	305	305	368	368
L (RTJ)	216	229	229	254	254	279	279	305	305	371	371
Weight (kg)	10	11	14	15	17	19	23	25	28	30	34
Torque (inch LBS) 900*	21	21	33	33	68	68	90	90	135	135	139
Torque (inch LBS) 1500*	35	35	42	42	120	120	250	250	305	305	390

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PRESSURE RATINGS WITH REINFORCED - PTFE

- A. Valve size 15 A(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(8")
- Carbon PTFE will do higher temperatures

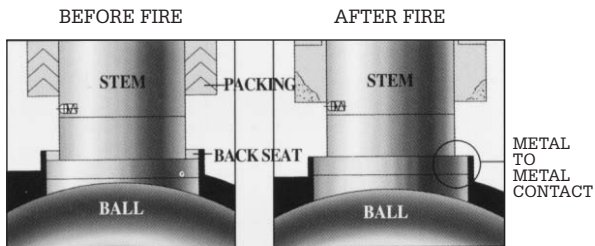


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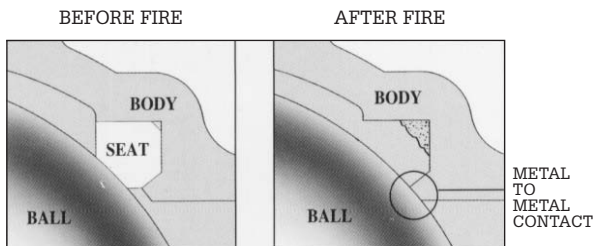
FIRESAFE FEATURES

 **FIRESAFE CERTIFIED API607 5TH EDITION AND API6FA 3RD EDITION**

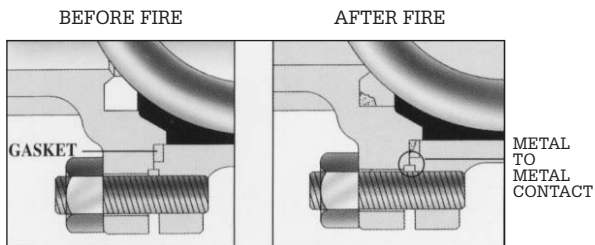
▪ CONTACT BETWEEN STEM AND VALVE SHELL



▪ CONTACT BETWEEN BALL AND VALVE SHELL



▪ VALVE SHELL COUPLING



ANTI-STATIC DESIGN

Australian Pipeline Valve ball valves are designed and built to meet stringent specifications for anti-static protection.

FIRE SAFE DESIGN

One of the many requirements of today's industries is that ball valves must have a metal to metal seal in case the non-metallic seals are destroyed or burned by fire or other means.

The design provides assurance to the user handling flammable or hazardous fluids should the non-metallic seals be damaged.

APV ball valves are certified to meet or exceed the requirement of API607 5th edition and API6FA.



Australian Pipeline Valve is one of the only brands in the world to hold Firesafe certification (DNV witnessed) to the latest 5th edition of API607 as well as API6FA latest 3rd edition.