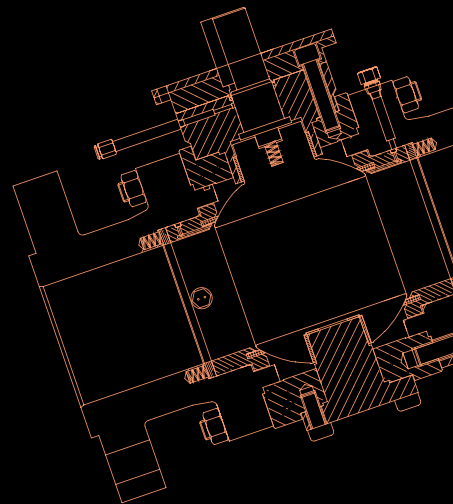
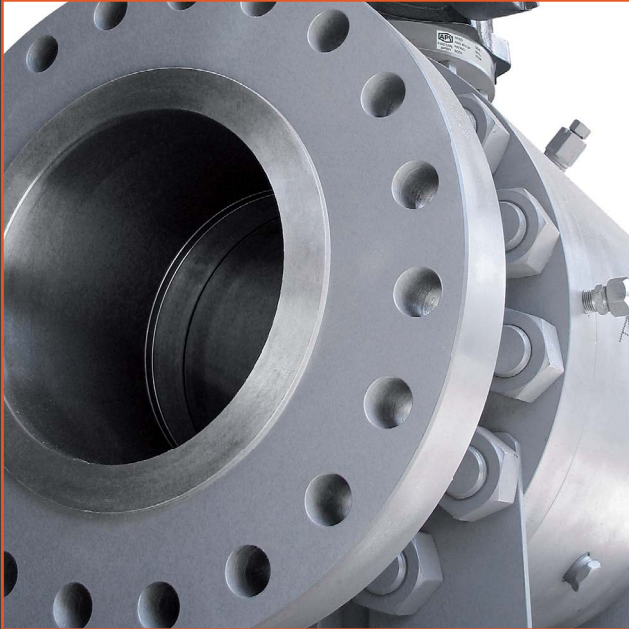


# BVF100 SERIES FORGED TRUNNION BALL VALVE



**AUSTRALIAN  
PIPELINE VALVE®**



A GSL COMPANY - QUALITY ENDORSED

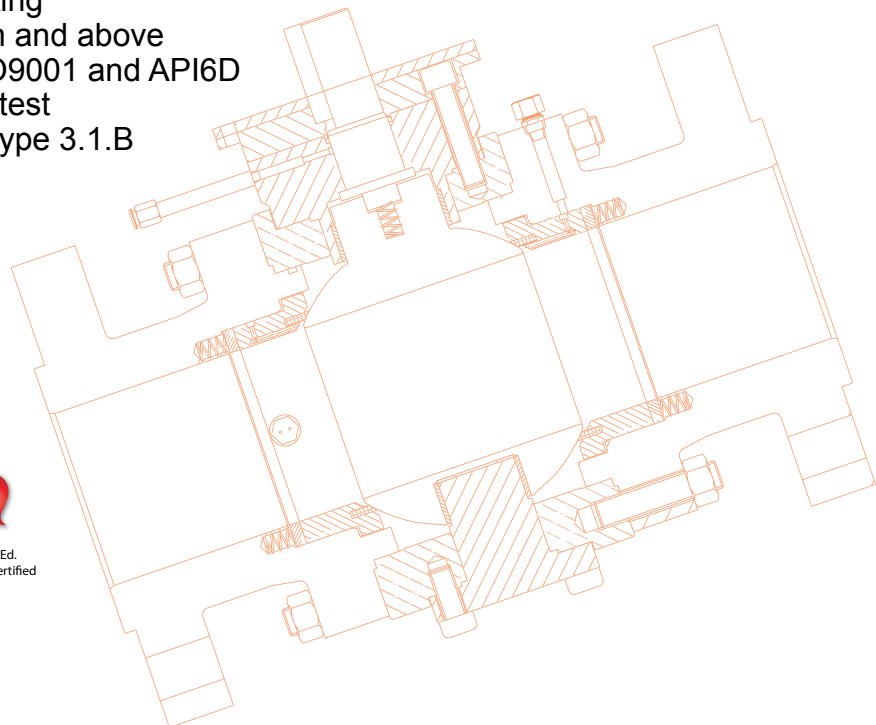
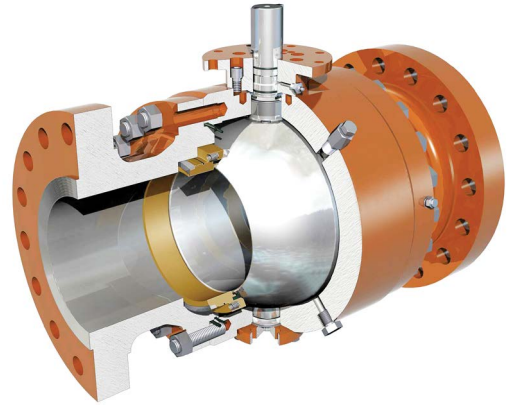


[www.australianpipelinevalve.com.au](http://www.australianpipelinevalve.com.au)

## BVF100 SERIES FORGED SIDE ENTRY BALL VALVE

### DESIGN FEATURES

- Manufactured and tested to API 6D/ISO 14313
- Double block & bleed capability
- Antistatic to API 608
- 3 piece Side Entry type
- Full Bore - Full through conduit - piggable
- Manual operation - Gear
- Trunnion mounted
- Stem separate from the ball, anti-blow-out design
- No side load on the stem. Bearing blocks absorb the pressure load on the ball
- Large diameter, heavy duty trunnion & bearings
- Triple barrier stem seals.
- Anti blow-out stem configuration
- Metal seat retainer (secondary fire seal) complete with soft insert
- O-ring for static (body joints) and dynamic (seat rings and stem) seals
- Self-relieving (automatic cavity relief) seats
- Spring energised constrained seat design
- Body bolting design complies with ASME B16.34 & ASME VIII
- Anti-static device
- Emergency seat & stem sealant injection
- Fire safe certified DNV witness in accordance with ISO 10497 & API607 5th/6th/7th Edition
- Fugitive emission certified ISO - EN 15848-1
- Equipped with cavity pressure bleed fitting
- Additional cavity vent for valves 150mm and above
- Manufactured under quality system ISO9001 and API6D
- Body and seat hydrostatic and seat air test
- Material certification to EN 10204/ISO type 3.1.B



API 622 & ISO 15848-1  
Fugitive Emission Certified



ISO 15848-1 Class CO2  
Endurance Test Certified



API607 6th & 7th Ed.  
ISO 10497 Firesafe Certified



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## TECHNICAL OVERVIEW SHEET

		PROJECT	Stock Order
		PURCHASER	Australian Pipeline Valve
		END USER	Australia
LINE		SPECIFICATIONS	
1	VALVE DESCRIPTION	3-Piece Ball Side Entry Trunnion Bolted Bonnet	
2	VALVE MODEL NO.	BVF100 Series Ball Valve Side Entry	
3			
4			
5			
6	PRESSURE CLASS	Refer to drawing	
7	BORE (FULL/REDUCED)	Refer to drawing	
8	END CONNECTIONS	Refer to drawing	
9	OPERATION (MANUAL/ACTUATED)	Refer to drawing	
10	GEARBOX (WHERE APPLICABLE)	Diamond Gear	
11	SEAT CONFIGURATION	Self-Relieving	
12	ANTI BLOWOUT STEM DESIGN (YES/NO)	Yes	
13	ANTI STATIC DEVICE (YES/NO)	Yes	
14	VENT/DRAIN FITTING	NPT Plug and Bleed Valve - as per API 6D	
15	FIRE SAFE DESIGN & TESTING (YES/NO - SPEC)	Yes - ISO 10497	
16			
17	VALVE MATERIALS OF CONSTRUCTION		
18	BODY	Refer to drawing	
19	CLOSURE	Refer to drawing	
20	STEM	Refer to drawing	
21	BALL	Refer to drawing	
22	SEATS	Refer to drawing	
23	SEAT INSERT	Refer to drawing	
24	SEAT SPRINGS	INCONEL X750	
25	OTHER SEALS	Graphite/Viton AED	
26	BOLTING	Refer to drawing	
27	STEM GREASE FITTING	Yes	
28	SEAT SEALANT INJECTION FITTING	Yes	
29			
30			
31	VALVE DESIGN LIMITS		
32	TEMPERATURE	Refer to drawing	
33	PRESSURE	Refer to drawing	
34	DIFFERENTIAL PRESSURE (MAX.)	Not Available	
35			
36	TESTING		
37	REFERENCED SPECIFICATION	API6D (ISO 14313 Rate A)	
38	OTHER TEST/INSPECTION CONDUCTED	APV Representative Witness	
39	SPECIAL TESTS	PMI/CT/MPI where specified	
40	CERTIFICATION		
41	PRESSURE RETAINING PARTS		
42	- BODY, BONNET, CLOSURE	EN 10204 3.1	
43	- STEM	EN 10204 3.1	
44	- BOLTING†	EN 10204 3.1	
45	PRESSURE CONTROLLING PARTS		
46	- SEATS	EN 10204 3.1	
47	- BALL	EN 10204 3.1	
48			
49	†ALL B7, B7M, L7, L7M BOLTING IS GALVANISED.		
50	CLARIFICATIONS/QUALIFICATIONS:		
51			
52	1) All valves are provided with locking devices on their individual operators.		
53	2) Valves are designed with capability for double block and bleed operation/function.		
54	3) Vent and drain connections include bleed valve.		
55	4) Valve body cavity pressure can be released during open and close position.		
56	5) Gear box's cover screw shall be accessible from the top.		
57	6) Firesafe ISO 10497 certification is equivalent to API 6FA/API607 v5 & 6/BS 6755 Pt. 2.		
58	7) All external fixtures, i.e. seal injection, drain & bleed plug are full 316SS.		
59			
60			
PREPARED BY		CHECKED BY	REV. NO.
BT		AS	01



# AUSTRALIAN PIPELINE VALVE®



[www.australianpipelinevalve.com.au](http://www.australianpipelinevalve.com.au)

LOCAL DISTRIBUTOR



## QUALITY ASSURANCE AND CERTIFICATION

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.

This brochure 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.

