

ADELAIDE • BRISBANE • PERTH

APPLICABLE STANDARDS – BALL & PLUG VALVES

Australian Pipeline Valve valves are manufactured in accordance with API, ANSI, ASME and BS standards. This list contains the most important related standards for ball and plug valves. Australian Pipeline Valve valves may be designed, manufactured and tested in accordance with other international standards on request. The below standards dictate all facets of design, firesafe testing, wall thickness, testing, end connections, inspection and numerous other associated requirements.

API - American Petroleum Institute		ISO - International organisation for Standardisation	
Spec. 6A Spec. 6D Spec. RP6F	Specification for wellhead & christmas tree equipment Specification for Pipeline valves Recommended practice for fire testing of valves	ISO 9001	Quality systems – Model for quality assurance in design/development, production, installation an servicing
Spec. 6FA	Specification for fire testing of valves	ISO 5208	Pressure testing of valves - Industrial
Std. 598 Std. 605	Valve inspection and test Large diameter carbon steel flanges	ISO 5752	Metal valves for use in flanged pipe systems - Face-to-face and centre-to-face dimensions
Std. 607	Fire test for soft seated quarter turn valves	ISO 7121	Flanged steel ball valves
	erican National Standards Institute perican Society of Mechanical Engineers	ISO 10423 (API 6A)	Wellhead and christmas tree equipment Specification
B16.11 B16.5	Forged steel fitting socket-welding and threading Steel pipe flanges and flanged fittings	ISO 10497 (API 607)	Testing of valves - Fire type-test requirements (Fire Test for Soft-Seated Quarter-Turn Valves)
B16.10	Face to face and end to end dimensions of ferrous valves	ISO 14313 (API 6D)	Specification for Pipeline Valves
B16.25 B16.34 B31.3	Butt welding ends. Steel valves – flanged and butt welding ends Chemical plant and petroleum refinery piping systems	ISO 15156	NACE MR0175, Petroleum and natural gas industries - Materials for use in H2S-containing environments in oil and gas production
B31.4 B31.8	Liquid petroleum transportation piping systems Gas transmission and distribution piping systems	ISO 15848-1	Industrial valves - Measurement, test and qualification procedures for fugitive emission Part 1: Classification system and qualification procedures for type testing
ASTM - American Society for Testing Materials			of valves
01.01	Steel piping, tubing and fittings	ISO 17292	Metal ball valves for petroleum, petrochemical and allied industries
01.02 02.01	Ferrous castings; Ferro alloys	BS - British	
02.01	Copper and Copper alloys Nickel and Nickel alloys	BS 1560	Steel pipe flanges and flanged fittings
03.01	Metals – mechanical testing; elevated & low	BS 2080	Face to face, centre to centre, end to end, and centre
	temperature test; metallography	B3 2000	to end dimensions of flanged and butt-welding end steel valves for the petroleum, petrochemical and
NACE - National Association of Corrosion Engineers			allied industries
MR-01-75	Sulfide stress cracking resistant metallic materials for oilfield equipment	BS 4504	Flanges and boltings for pipe valves and fittings.
MSS - Manufacturers Standardisation Society		BS 5146	Inspection and test of steel valves for the petroleum, petrochemical and allied industries.
SP06	Standard finishes for contact faces of pipe flanges and connecting-end flanges of valves and fittings	BS 5351	Steel ball valves for the petroleum, petrochemical and allied industries.
SP25	Standard marking system for valves fittings, flanges and unions	BS 6755	Testing of valves
SP44	Steel pipeline flanges		

For technical references and ASTM/ASME cross reference information on stainless, duplex, chrome-moly and allow steel used in valves & piping systems in the petrochemical and refining go to our website: http://www.australianpipelinevalve.com.au

By-pass and drain connection standard

Hydrostatic testing of steel valves

general service

Quality standard for steel castings - visual method

Ball valves with flanged or butt-welding ends for

SP45

SP55

SP61

SP72

MAIN DESIGN STANDARDS BALL & PLUG VALVES

Australian Pipeline Valve pipeline ball and plug valves are manufactured to the following API and ASME Standards which dictate all facets of design, firesafe testing, wall thickness, hydrostatic testing, end connections, etc.

American Petroleum Institute - API



API 6D API 6FA API 598 API 599 API 607 API 607

American Society of Mechanical Engineering - ASME

ASME B 16.5 ASME B 16.34 ASME B 16.10 ASME B 31.3 ASME B 16.25 ASME B 31.8

ASME B 46.1

STANDARD MATERIALS

Standard Valve Materials Grades

- A105 N - AISI 4140 - A 182 F6A - A 564 630 - A 182 F53 - A350 LF2 - A694 F60 - A 182 F304 - A 182 F55 - A350 LF3 - API 6A 60K - A 182 F316 - A 182 F51

For other ANSI, ASME, ISO, API, BS, API valve related technical cross reference charts and tables relating to standards, codes, pressure, temperature, application, suitability, equivalents, body & trim materials, valve

manufacturing & test standards, etc., go to the technical section of our website.

We manufacture valves in API600, API602, API6D, BS1868, API603, API6A and numerous other standards including Ball, Butterfly, Check, Gate, Globe, Needle and Plug valves.

~ AUSTRALIAN PIPELINE VALVE IS A VALVE SPECIALIST. WE CAN MANUFACTURE IN SHORT DELIVERY TIME. SELLING WORLD WIDE ~

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