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Valve Standard & Valve Body Material Selection Guide

STANDARD	DESCRIPTION
API 598	Valve & Testing for Quarter Turn Valves
API 6D	Specification for Pipelines Valve
API 6FA	Specification for Fire Testing of Valves
API 607 4th	Fire Test for Soft Seated Quarter Turn Valves
ASME/ANSI B16.5	Steel pipe flanges and flanges fittings.
ASME/ANSI B16.10	Face-to-face and end-to-end dimensions of ferrous valves.
ASME/ANSI B16.11	Standard connection for socket-welding and threaded end valves & fittings
ASME/ANSI B16.34	Steel valves flanged and butt welding ends.
BS 6755 Part 2	British Standard Testing of Valves
DIN EN 1092-1	Steel valves flanged and butt welding ends for German DIN Standard.
DIN EN 558-1	Face-to-face and end-to-end dimensions for German DIN Standard.
ISO 5211 / DIN 3337	Industrial valves - Part turn actuator attachment. Easy mounting of all kinds of actuators.
ISO 5752	Metal valves for use in flanged pipe systems. Face-to-face and centre-to-face dimensions
JIS B 2002	Face-to-face and end-to-end dimensions of valves for Japanese JIS Standard
JIS B 2003	Valve & Testing for Quarter Turn Valves for Japanese JIS Standard
JIS B 2238	Steel pipe flanges and flanges fittings for Japanese JIS Standard
NACE MR 0175	Sulfide stress cracking resistant metallic materials for oilfield equipment

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DESIGNATION	JIS STANDARD	ANSI STANDARD	DIN STANDARD
Cast Iron	FC20	ASTM A126 Class B	GG25 (0.6025)
Ductile Iron	FCD450	ASTM A395	GGG40.3 (0.7043)
Carbon Steel (Casting)	SCPH2	ASTM A216-WCB	GS-C25N (1.0619+N)
Carbon Steel (Forging)	SF490A	ASTM A105	C22.8 (1.0460)
Stainless Steel 304	SCS13A	ASTM A351-CF8	1.4301
Stainless Steel 316	SCS14A	ASTM A351-CF8M	1.4408
Stainless Steel 304L	SCS19A	ASTM A351-CF3	1.4306
Stainless Steel 316L	SCS16A	ASTM A351-CF3M	1.4404