



Specifying DSI® Valve Figure Numbers

It's easy to specify DSI® Forged Steel Valves. Just follow the example and use the figure number chart below to specify the valve you need.

Example valve specified:

Class 800, Gate Valve Type, Threaded (Standard) End-Port, BB-OS&Y Design Style, TFE Packing, A105N Body Material, Stellite® Seats for Trim and NACE conformance.

Class	Type	End-Port	Body/Bonnet Style	Special	Body Material	Trim	Other
1 • 150 2 • 300 3 • 600 4 • 800 5 • 900 6 • 1500 7 • 2500 8 • 4500	1 • Gate 2 • Globe 3 • Piston Check 4 • Swing Check 5 • Ball Check 6 • Vert Ball Check 7 • Needle/Globe	1 • Swe-Std 2 • Thrd-Std 3 • Flgd-Std 4 • F. Thrd x M. Thrd 5 • F. Thrd x M. SWE 6 • SWE-Full 7 • Thrd-Full 8 • Flgd-Full 9 • IREB-Std 0 • F. SWE x F. Thrd	1 • BB-OS&Y/BC 2 • UB-OS&Y/UC 3 • WB-OS&Y/WC 4 • PS-OS&Y/PSC 5 • UB-IS 6 • WB-IS 7 • RTJ-BB/BC 8 • WB-IS	Y • Y-Pattern T • TFE Packing CT • Ext. Couplet BW • Butt weld Ends R • RTJ Ends EB • Ext. Bonnet FF • Flat Faced Ends	A • A105N B • F-5 C • F-11 D • F316 E • F316L F • LF2 G • F-9 H • F-22 J • F-347 K • LF-3 L • F304 M • F321 N • F317L P • F304L R • F51 S • Monel T • F91	1 • F6a 2 • F304 5 • Full Stellite® 8 • Stellite® Seats 9 • Monel 10 • F316 11 • Monel-HFS 12 • F316-HFS 16 • F316L-HFS 17 • F321-HFS 19 • F347-HFS 20 • F317 21 • F91-HFS 22 • F304L 51 • Duplex SS	18 • NACE 20 • Oxygen Clean 22 • Cryogenic 24 • Bellows 26 • Alkylation

Footnotes:

BB • Bolted Bonnet	BC • Bolted Cover
WB • Welded Bonnet	WC • Welded Cover
UB • Union Bonnet	UC • Union Cover
PS • Full Penetration	IS • Inside Screw
OS&Y • Outside Screw & Yoke	
IREB • Integrally Reinforced Extended Body (male couplet x female threaded)	

Standard Features of DSI® Forged Steel Valves

- All DSI® forged carbon steel valves maintain a .22 % maximum carbon content and are normalized to further refine the grain and homogenize the microstructure.
- Every valve meets NACE MR-01-75 conformance and are supplied with appropriate Class II bolting and nuts.
- DSI® forged steel valves come standard with a Stellite® #6 seating surface. The Stellite® #6 is applied by an automatic GTAW process, maintaining a minimum thickness of 0.05 inches.
- Valves are furnished with non-asbestos Grafoil® packing. The top and bottom wiper rings are John Crane 1625G (or equivalent), while the four center rings are Union Carbide die-formed Grafoil® containing an inorganic passivating inhibitor for corrosion and oxidation resistance.
- The DSI® bolted bonnet and bolted cap valves not utilizing a ring joint connection are fitted with a 316 Stainless Steel spiral wound Grafoil® filled gasket that is fully contained to protect it from over-compression and erosion. Monel trim valves are fitted with a Monel spiral wound Grafoil® filled gasket.
- All flanged DSI® forged steel valves through Class 2500 are integrally forged to avoid the potential leak path that exist when welding flanges onto valve bodies.
- Welded bonnet valves are initially joined by threading the body-bonnet joint together, then welding by automatic GMAW. All welds are inspected after welding assuring quality control.
- It's a DSI® quality standard that 10% of all forgings are subjected to nondestructive examination, i.e., magnetic particle or liquid penetrant inspection as appropriate.
- DSI® forged steel valves contain no copper bearing alloys.
- Every DSI® forged steel valve is manufactured with a two-piece self-aligning gland flange assembly which insures even compression of the stuffing box during assembly and repacking.
- DSI® valves are supplied with Stainless Steel eye bolts, nuts and packing gland followers.

Grafoil® is a registered trademark of Union Carbide Corporation. Stellite® is a registered trademark of Stoodly Deloro Stellite, Inc.