



FDMS Pipe Spec

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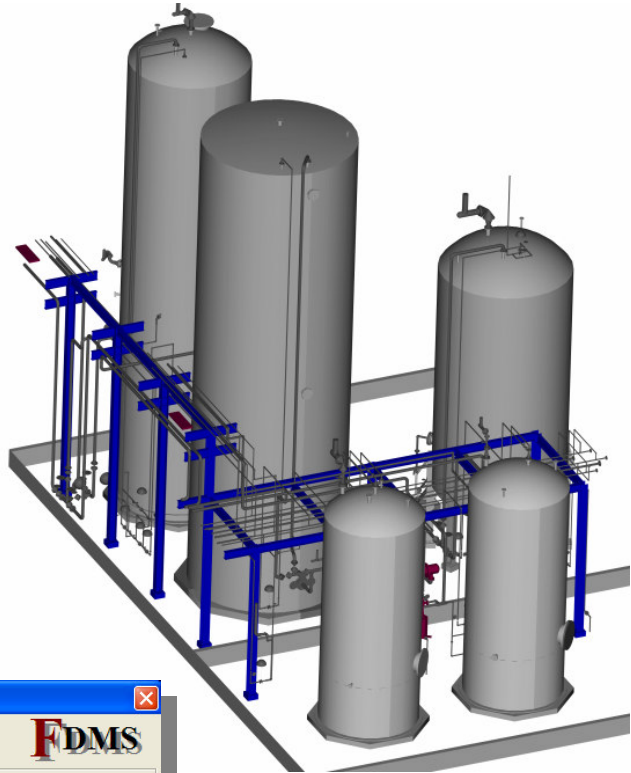
The Pipe Specification system provides an effective way to obtain the piping requirements for different services. The system provides based upon the selected process or service information such as:

- Piping material and classification
- Valves
- Fittings
- Flanges
- Bolting
- Gaskets

The system is a relational database where a user chooses from three categories:

- Type – Process or Utility
- Class – acid, solvents, etc
- Service – 93% sulfuric acid, etc

From this the system provides the specific specification for this service. Details regarding material of construction to type of valves are available. The system at a plant or facility would help operations, engineers, and maintenance personnel quickly obtain the data or specification desired which may be viewed on the screen or printed.



Specification Data

Specification No: S1H
 Service: 93 % Sulfuric Acid

Notes: [Icons for Details, Branch Table, Construction, Design]

Graphics: [Icons for Vent, Unvented, Vesse]

Alt	Use	Size Range	Short Description
alt	BALL VALVES	1/2" to 2"	ALTERNATE VALVES ONLY 1 : AIR Vlv> BA
alt	BALL VALVES	3" to 12"	ALTERNATE VALVES ONLY 1 : AIR Vlv> BA
	BLIND FLANGES	1/2" to 12"	FORGED CS, 150 LB., RF, 316 SS LINER
	BOLTING	For All Sizes	T-COATED ALLOY STUD BOLT / HEAVY H
	CHECK VALVES	1/2" to 3/4"	CHECK VALVE (CK1646)
	CHECK VALVES	1" to 6"	CHECK VALVE (CK1496)
	FITTINGS	1/2" to 3/4"	FORGED 316SS, 3000 LB., SW
	FITTINGS	1" to 2"	316SS, SCH. 40S, BW
	FITTINGS	3" to 12"	316SS, SCH. 10S, BW
	GASKETS	For All Sizes	STEEL/TEFLON (PTFE)

Component Details | Alternate Details | Component Graphic | Reset | Reset All | Print | Previo

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 Rev Desc: April 17, 2003
 Rev Level: P-03-S2AM

BLIND FLANGES	
1/2" to 12"	150 lbs., Carbon Steel, raised face, ANSI B16.5, tankweld 1/8" 316 SS liner to raised face, surface finish to 125 250RA, no gasket contact area only.
STRAIGHT FLANGES	
1/2" to 12"	150 lbs., Lap Joint, Forged Carbon Steel, ASTM A105, ANSI B16.5
GASKETS	
For All Sizes	Steel Teflon - White Virgin PTFE molded around perforated stainless steel disc ring gaskets 1/16" thick. Modern Industrial Plastics: Style Task-Line or Chemplast: Style "SIR".
BOLTING	
For All Sizes	Alloy steel bolt, ASTM A193 Gr. B7 continuous thread, each with 2 heavy hex nuts, ASTM A194 Gr. 2H, ANSI B18.2.2, all coated with Nylas 1014 from Whitford Corp. or equivalent supplier.
STRAINERS	
1/2" to 10"	STR406 - Y-Type Strainer, 150 lbs., Raised Face, flanged, 316 Stainless Steel Body and Screen with approximately 1/64 inch openings. Mueller: Model No. 76183.
SHUTOFF VALVES	
1/2" to 3/4"	GA1541C - Gate Valve, 800 lbs., socket weld, 316 Stainless Steel Body, Teflon Packing, Grafoil or 316 Stainless gasket, Trim - Alloy 20, 300 Series Stainless Bolting, Bolted Bonnet, OS & Y, Rising Stem, Non-Rising Handwheel. Vogt: Figure No. S9W12401-MCDD.
1" to 12"	GA1685 - Gate Valve, 150 lbs., raised face, 316 Stainless Steel Body, APT-403 Grafoil packing, Alloy 20 stem, Grafoil or Alloy 20 gasket, 300 Series Stainless Steel Bolting, Bolted Bonnet, OS & Y, rising stem, non-rising handwheel, solid or double wedge. Ladaish: Figure No. 5272-2076-XXX (double wedge), Figure No. 5275-2076-XXX (solid wedge).

The system includes:

- A database with information on over 100 services
- Easy to follow screens for quick data access
- Customizable reports using Seagate Crystal Reports
- Network multi-user environment
- Security to establish users for viewing or editing
- Capability to add or modify specifications to meet your specific requirements
- Add graphics and pictures for illustrations of service