

SERVICE: Instrument Air and Potable Water	CLASS: WA PAGE 1 OF 3
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RATING: CLASS 150	CORROSION ALLOWANCE: .0625 Inch
FACING: FF	PRESSURE LIMIT: 200 PSIG
MATERIAL: Carbon Steel	TEMPERATURE LIMIT: to 200°F

ITEM	SIZE	DESCRIPTION	NTS J	RE V
VALVES	1/2" 3"	Trim - 12 Cr unless otherwise specified.	VJ	
--GATE		Packing - Manufacturer's standard		
--GLOBE	1/2" "	(non asbestos)		
--CHECK	3	Class 800 Stl Scrd ANVIL #821-2-1		
--BALL	1/2" 3"	Class 800 Stl Scrd ANVIL #830-2-1		
PIPE	1/2" 2"	Class 800 Stl Sers ANVIL #847-2-1		
NIPPLES	1/ 2" 2"	- Hor Lft		
	3" 2 4"	Class 300# Stl McManna #SJ02-CS-T-S61		
	1 /2" 2"	- Screwed		
	3" Only	VJ - Use only where indicated on P&ID's Welded Stl Galv ASTM A120 XS (T&C) STD Wt (T&C) Welded Stl Galv ASTM A120 TBE 3" Long, XS TBE 6" Long, XS TBE 3" Long Sch 40 TBE 6" Long Sch 40		

REFINING & MARKETING	UNIT	REV 0
	DIESEL HDS	

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ITEM	SIZE	DESCRIPTION	NTS	RE
			J	V

FITTINGS	1/2"- 3"	300# MI Scrd ASTM A197, Galv. Cap 90° Elbow 45° Elbow Tee Coupling, Scrd, 3000# FS ASTM A105 Union, BR to Iron Seats Plug, Round Solid Stl, Scrd, ASTM A105		
BRANCH CONNECTIONS	HEADER 1/2"- 3"	BRANCH Full and Red	USE Tee	
PIPE INSTR. CONNECTIONS		Primary Instrument Conn's to Piping Temperature Conn's-----1 Scrd Pressure Conn's-----3/4" Scrd Secondary Piping S-5		
EQUIP. INSTR. CONNECTIONS		Vessel & Exchanger Instr. Conn's Table I		
FLANGES	1/2" J 1/2"- 3"	150# Stl, FF ASTM A105 Galv. Scrd Blind		
GASKETS	1/2" 3"	Natural red rubber, 3/16" thk full face per ANSI B16.21 150#		
REFINING & MARKETING			UNIT DIESEL HDS	REV 0
SERVICE: Cooling Water, Service Water, and Plant Air			CLASS: WA PAGE 3 OF 3	
ITEM	SIZE	DESCRIPTION	NTS	REV
			!	V

<p>BOLTS</p> <hr/> <p>STRAINERS</p> <p>"Y" TYPE</p>	<p>1/2"- 3"</p> <hr/> <p>1/2"- 2" 3"</p>	<p>Hex head machine bolts, ASTM A307 w/Gr B heavy hexnuts. For 150# Flanges 250# CI Scrd, SS Screen w/.033'' Perf. Scrd Blow-off Conn. Yarway #901 125# CIFF Flgd. w/.033'' perforated SS screen, bolted Screen cover w/Scrd Blow-off Conn. Yarway #804</p>		
<p>REFINING & MARKETING</p>		<p>UNIT</p> <p>DIESEL HDS</p>	<p>REV</p> <p>0</p>	