

SERVICE: Sour Water	CLASS: AC PAGE 1 OF 4
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RATING: Class 150 FACING: RF MATERIAL: Carbon Steel	CORROSION ALLOWANCE: 0.25 Inch PRESSURE LIMIT: Per ANSI B16.5 TEMPERATURE LIMIT: -20°F - 250°F
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ITEM	SIZE	DESCRIPTION	NTS	REV
VALVES --GATE --GLOBE PIPE	3/4"- 1-1/2" 1/2" 1 1/2" 3/4"- 1-1/2" 2"and 3" 4"- 12" 14"- 24"	1. Gate, Globe and Check 12 Cr Trim with Graphitic Packing (non Asbestos) unless otherwise specified. 2. Ball valves shall have 316SS trim and RTFE seats and seals, valve shall be firesafe design. Class 800 Stl SW ANVIL #821-3-1 Class 800 Stl SW x Scrd ANVIL #821-5-11 Class 150 Stl RF ANVIL #121-4-1 Class 300 Stl RF PACIFIC #350-1 Class 150 Stl RF PACIFIC #150-1 Class 150 Stl RF PACIFIC #150-1	V1 V2 V1	
	Gear Operated 3/4"- 1-1/2" Class 800 Stl SW ANVIL #830-3-1 411 Only Class 150 Stl RF Mccanna S151-CS-F-S6 V1 - Use for vents, drains, and instru-	ment connections where a threaded outlet is required. V2 - Use against flanged equipment nozzles. ----- Smls Stl ASTM A106 Gr B 3/4''- 1-1/2'' XXS 2'' Only XXS 3'' Only SCH 160 4, and 6 11 XS		

REFINING & MARKETING	UNIT DIESEL HDS	REV 0
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	2"and 3"	Class 300 Stl RF	PACIFIC #360-1
	4" Only	Class 150 Stl RF	PACIFIC #160-1
--CHECK	3/4"- 1-1/2"	Class 800 Stl SW Hor Lft	ANVIL #847-3-1
	2 "and 3 "	Class 300 Stl Swing RF	PACIFIC #380-1
	4"- 24"	Class 150 Stl Swing RF	PACIFIC #180-1

ITEM	SIZE	DESCRIPTION	NTS	REV
	1/2" 1-1/2"	Ecc Swage, XXS BBE BLE/TSE TLE/BSE TBE F1 - Use only for temperature connection F2 - Use only for Unvalved Vents and Drains.		
BRANCH CONNECTIONS		Refer to Para 6.6 Branch Connections		
PIPE INSTR. CONNECTIONS		Primary Instr Conn's to Piping Temperature Conn's-----1-1/2" Flgd Pressure Conn's-----3/4" SW orifice Tap Conn's-----1/2" Scrd Secondary Piping S-3		
EQUIP. INSTR. CONNECTIONS		Vessel & Exchanger Instrument Conn's Table I		
FLANGES ORIFICE FLANGES	3/4" 1-1/2" 2" Only 3" Only 3/4"- 6" 3/4" 1-1/2" 4"- 6" 3/4" 6" 2" 6"	300# Stl RF ASTM A105 SW (XXS Bore) WN (XXS Bore) WN (SCH 160 Bore) BLIND 150# Stl RF ASTM A105 SW (XXS Bore) WN (XS Bore) BLIND 300# Stl RF ASTM A105 w/ 1/2" Scrd Taps Slip-on L1 - Use only against 300# flanges and valves. -----	L1	
GASKETS	3/4"- 6" 3/4"- 3" 2"- 6"	Spiral Wound 316SS w/Flexite fiber, 1/8" thk centering ring, Flesitallic Style CG. For 150# Flanges For 300# Flanges For JOO# Orifice Flanges		
REFINING & MARKETING		UNIT DIESEL HDS	REV 0	
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ITEM	SIZE	DESCRIPTION	NTS	IRE V
BOLTS		Stud Bolts ASTM A193 Gr B7 w/2 Hvy Hex		

3/4"- 6"	Nuts ASTM A194 Gr 2H
3/4"- 3"	For 150# Flanges
2"- 6"	For 300# Flanges
	For 300# Orifice Flanges

REFINING & MARKETING

UNIT

REV

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