

SERVICE: Rx Effluent	CLASS: GYA PAGE 1 OF 3
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RATING: CLASS 900	CORROSION ALLOWANCE: .0625 Inch
FACING: RTJ	PRESSURE LIMIT: 1000 PSIG
MATERIAL: 321 Stainless Steel	TEMPERATURE LIMIT: -20°F - 850°F

ITEM	I	SIZE	DESCRIPTION	INTS	REV
VALVES --GATE --GLOBE --CHECK PIPE			1. Gate, Globe, and Check Valves 321 SS with graphitic packing (non Asbestos) unless otherwise specified. 2. Gate, Globe, and Check Valves 3-inch and larger shall have pressure seal bonnet design.	V1 V2 V31 I	
	I	3/4 ¹¹ - 2 ¹¹	800# 321SS SW VOGT #SW-12111-F321		
		1/2 ¹¹ - 2 ¹¹	800# 321SS SWxSCRD VOGT #TSW-12111-F3211		
		3/4 ¹¹ - 2 ¹¹	900# 321SS RTJ VELAN #R-7-06-4B-18-MS		
		3 ¹¹ - 8 ¹¹	900# 321SS BW VELAN #B-7-06-4P-18-MS		
		10 ¹¹ - 24 ¹¹	900# 321SS BW VELAN #B-7-06-4P-18-MS		

- Gear Operated
 1/ 2¹¹ - 2¹¹ 11690# 321SS SW VELAN #W-7-08-6Y-18-MSI

- Y-Pattern
 311. 4" \900# 321SS BW VELAN #B-7-07-4P-18-MS

1/2¹¹ - 2¹¹ 1800# 321SS SW ~~VOGT #SW-701F8M-F321~~
 3¹¹ - 16¹¹ 900# 321SS BW VELAN #B-7-03-4P-18-MS

V1 - Use for vents and instrument connections where a threaded connection is required.

V2 - Use against flanged equipment nozzles.

V3 - Use for drain connections.

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Smls SS ASTM A312 Gr TP321 3/4¹¹ - 1-1/2¹¹ XS

2¹¹ Only SCH 80S

311. 4¹¹ SCH 40S

6¹¹ - 10¹¹ SCH 80S

1 2¹¹ Only .562¹¹ WALL

16¹¹ Only .656¹¹ WALL

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1

REFINING & MARKETING

UNIT
DIESEL HOS

REV
1

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ITEM	SIZE	DESCRIPTION	NTS	REV
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<p>NIPPLES</p>	<p>1/2" 3/4" 1" 1-1/4" 1-1/2" 1/2" 1-1/2"</p>	<p>Smls SS ASTM A312 Gr TP321 .187 " WALL .188" WALL .219 " WALL .250" WALL .281" WALL TBE 3" Long TBE 6" Long TOE 3" Long TOE 6" Long XS PBE 3" Long PBE 6" Long</p>		
<p>FITTINGS</p>	<p>1/2" 2" - 3 1/2" 24" 1/2" 1-1/2" -</p>	<p>6000# SS SW ASTM A182 Gr F321 Cap 90° Elbow 45° Elbow Tee Sockolet Elbolet Coupling Union (None Use Flanges) Cap, Scrd Thredolet Plug, Round Solid Stl Scrd TP321SS Wall thickness to match pipe Cap 90° LR Elbow 45° Elbow Tee Weldolet Cone Reducer Ecc Reducer Cone Swage ^{BBE} XS ^{BLE/TSE} (Match Threaded Nipple) ^{TLE/BSE} (Match Threaded Nipple) ^{TBE} (Match Threaded Nipple)</p>	<p>F1</p>	

REFINING & MARKETING	UNIT DIESEL HDS	REV 0
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ITEM	SIZE	DESCRIPTION	NTS	REV
	1/2"- 1-1/2"	Ecc Swage BBE XS BLE/TSE (Match Threaded Nipple) TLE/BSE (Match Threaded Nipple) TBE (Match Threaded Nipple) Fl - Use only for unvalved vents and drains.		
BRANCH CONNECTIONS		Refer to Paragraph 6.6 Branch Connection		
PIPE INSTR. CONNECTIONS		Primary Instrument Conn's to Piping Temperature Conn's-----1-1/2'' Flgd Pressure Conn's-----3/4'' SW Orifice Tap Conn's-----1/2'' ^{scr} Secondary Piping C-4		
EQUIP. INSTR. CONNECTIONS		Vessel & Exchanger Instr. Conn's Table I		
FLANGES ORIFICE FLANGES	3/4" 1-1/2" - 2" Only 3" ¹¹ 4" ¹¹ - 6" ¹¹ 10" ¹¹ 12"- Only 16"- Only 3/4" 24" ¹¹ 3" ¹¹ 24" ¹¹	900# SS RTJ ASTM A182 Gr F321 SW (XS Bore) SW {SCH SOS Bore} ^{WN} (SCH 40S Bore) ^{WN} (SCH 80S Bore) WN {11.626" Bore) WN (14.688" Bore) Blind 900# SS RTJ ASTM A182 Gr F321 w/1/2" ^{scr} Taps SLIP-ON -----		

GASKETS	<p>3/4"- 24"</p> <p>3 - 16 11 11</p>	<p>321 SS Oval Ring per ANSI B16.20 Parker Style P-950 or Equal 900# Flanges 900# For orifice Flanges</p>	
BOLTS	<p>3/4"- 24"</p> <p>3 11 16 11</p>	<p>Stud Bolts ASTM A193 Gr B16 w/2 Hvy Hex Nuts ASTM A194 Gr 4 For 900# For 900# for orifice Flanges</p>	
REFINING & MARKETING		<p>UNIT DIESEL HDS</p>	<p>REV 0</p>