

REFINING & MARKETING	UNIT DIESEL HDS	REV 1
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--GATE I 3/4¹¹ 1-1/2
1/2¹¹ 1-1/2
3/4¹¹ 1-1/2

--GLOBE I 3/4"- 1-1/2" jclass 800 Stl SW ANVIL #830-3-1
2 . 4 Class 300 Stl RF PACIFIC #360-U

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SERVICE: Steam and Condensate 360 PSIG@ 650°F PSIG@		CLASS: S PAGE		
Boiler Feedwater 500 210°F		2 OF 4		
ITEM	SIZE	DESCRIPTION	NTS	RE
NIPPLES FITTINGS	1/2"- 1-1/2"	Sm1s Stl ASTM A106 Gr B TBE 3" Long, SCH 160 TBE 6 ¹¹ Long, SCH 160 TOE 3" Long, SCH 160 TOE 6" Long, SCH 160 PBE 3" Long, XS PBE 6" Long, XS	[F2 F1	V

3/4" 1-1/2" 3000# Stl SW ASTM A105
 -
 Cap
 90° Elbow
 45° Elbow Tee Sockolet Elbolet Coupling
 Union (GJ, Integral Seat) Cap, Scrd
 Thredolet Elbolet, Scrd
 Plug, Round Solid Stl, Scrd
 Smls Stl Buttwelding ASTM A234 Gr WPB
 2" Only XS
 3"- 2011 STD WT

 Cap
 90° LR Elbow
 90° SR Elbow
 45° Elbow Tee
 Weldolet, ASTM A105 Cone Reducer
 Ecc Reducer Elbolet, ASTM A105
 1/2''- 1-1/2'' !Cone Swage
 BBE XS
 BLE/TSE SCH 160
 TLE/BSE SCH 160
 TBE SCH 160

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 PSIG@ 210°F

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NTS REV

' ITEM SIZE DESCRIPTION

1/2"- 1-1/2"

Ecc Swage BBE XS
BLE/TSE SCH 160
TLE/BSE SCH 160
TBE SCH 160

F1 - Use only for temperature connection F2 - Use o:
for unvalved vents and
drains.

BRANCH
CONNECTIONS
PIPE INSTR.
CONNECTIONS
EQUIP. INSTR.
CONNECTIONS
FLANGES

Primary Instrument Conn's to Piping Temperature Conn's-----
1/2'' Flgd
Pressure Conn's-----3/4'' SW
Orifice Tap Conn's-----1/2'' scrd
Secondary Piping S-1
Vessel & Exchanger Instr. Conn's Table I
300# Stl RF ASTM A105

3/4"- 1-1/2"
2" Only
3"- 20"
3/4"- 20"

SW (XS Bore) WN (XS Bore)
WN (STD WT Bore)
Blind
300# Stl RF ASTM A105 w/%_
"

ORIFICE
FLANGES

2-
" 20"

Scrd Taps

GASKETS

SLIP-ON

Spiral Wound 316 ss w/Flexite fiber, 1/8'' thk centering rin
Flexitallic Style CG
For 300# Flanges
For JOO# Orifice Flanges

3/42
" 20"
" 20"

SERVICE: Steam and Condensate 360 PSIG@ 650°F Boiler
 Feedwater 500 PSIG@ 210°F

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ITEM	SIZE	DESCRIPTION	NTS I	RE V
BOLTS TUBING TUBE FITTINGS STEAM TRAPS	3/4" 20" - 2" ¹¹ 20" ¹¹ 1/4"- 1/2"OD 1/4"- 1/2" 1/2" Only	Stud Bolts ASTM A193 Gr B7 w/2 Hvy Hex Nuts ASTM A194 Gr 2H For 300# Flanges For 300# orifice Flanges Smls 316 SS Fully Annealed ASTM A269, Gr TP316 I0.035" Wall Thickness		
_____ _____	_____ _____	316 SS Compression Type Female Connector Male Connector Female NPT Elbow Male NPT Elbow Tee Union		
_____ _____	_____ _____	600# 1-1/4 Cr Scrd Thermodynamic Type w/ integral strainer & blowdown valve Yarway #720A		
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