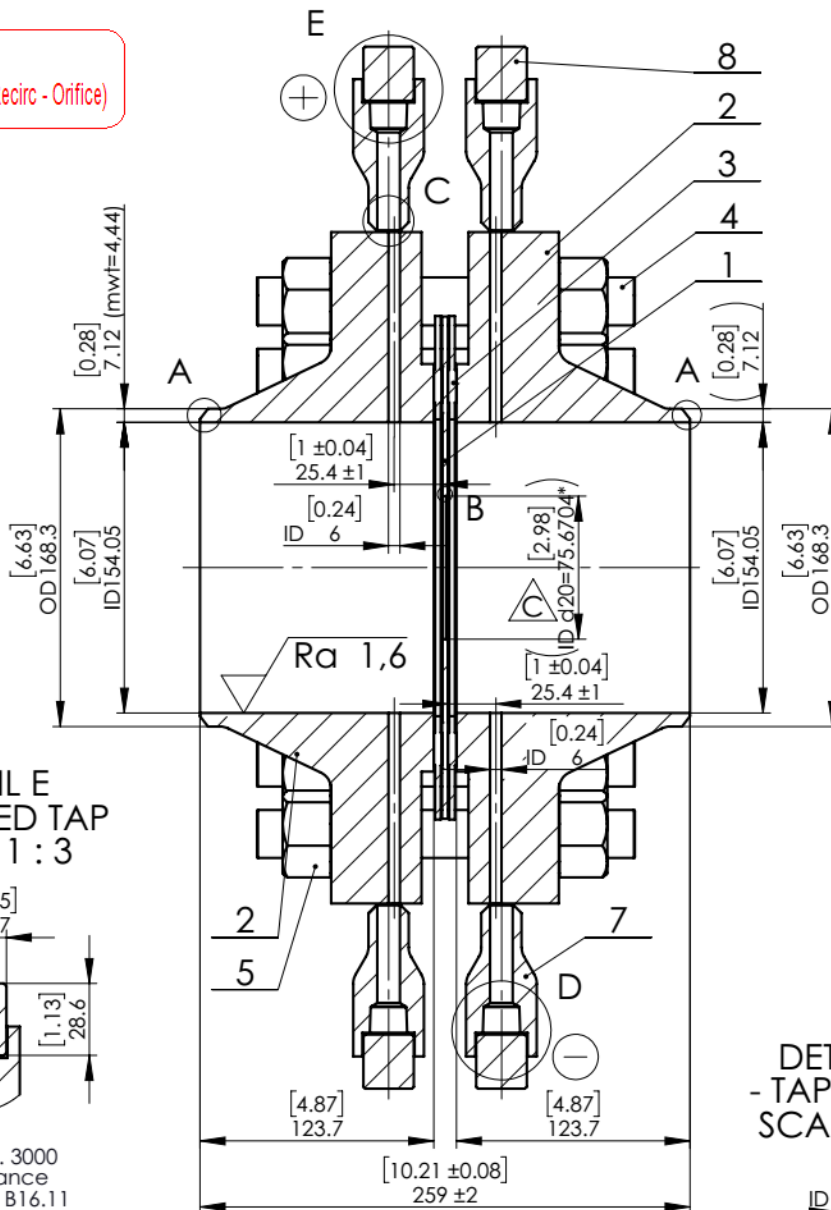


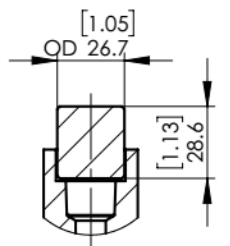
Middletown Energy Center CCPP 475MW
- Project V17494
& Kings Mountain Energy Center
- Project V17495

MEC/KMEC
6" Flow Element 1LP-FE3003 (LP Recirc - Orifice)

SECTION J-J SCALE 1 : 4



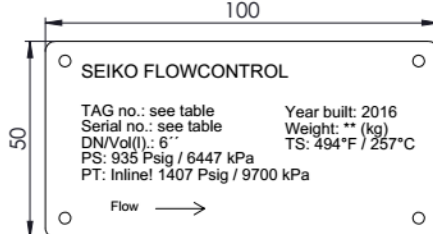
DETAIL E - PLUGGED TAP SCALE 1 : 3



3/4"SW CL. 3000
in accordance
with ASME B16.11

VOGT POWER INTERNATIONAL
V17494-CIXD-6007-03
12-Apr-2016

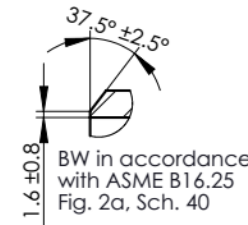
Pos. 10 TAG-plate
mounted with lacing cord



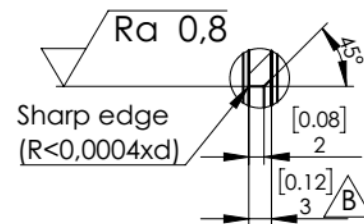
REAL WEIGHT MARKED AFTER WEIGHTING
* dimensions will be change

ASME MFC-3M-2004				
Target	154.051	mm ±	0.462	mm
ID Di:	6.065	in ±	0.018	in
Target	75.670	mm ±	0.038	mm
ID d20:	2.979	in ±	0.0015	in

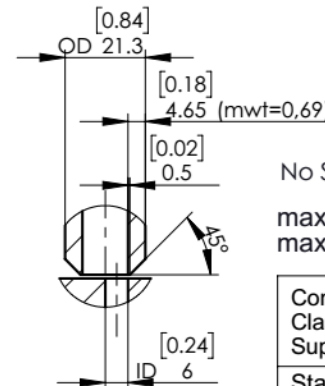
DETAIL A - BW ENDING OF PIPE SCALE 1 : 2



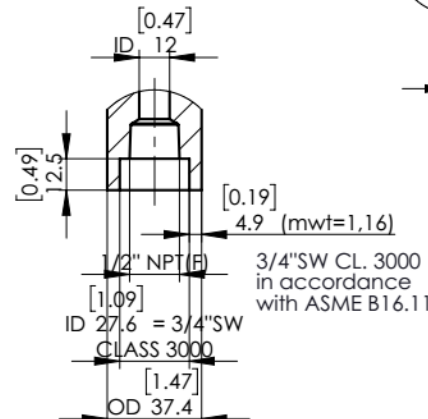
DETAIL B SCALE 1 : 1



DETAIL C - DETAIL OF IMPULSE CONNECTION SCALE 1 : 2



DETAIL D - TAP DETAIL SCALE 1 : 3



Pos. Part	Benennung/Denomination Abmessung/Dimension	MA/ pcs	Werkst. Nr./ Material	Zeugnis/ EN10204 certificate	Schmelze Nr./ NORM
9	TAG plate 100 x 50 x min.1.5 [3.94x1.97xmin.0.06in]	1	SA-240 304	-	
8	Plug OD26,7x28,6 [OD1,05x1,13in]	4	SA-105	3.1	
7	Pressure tap OD37,4x80 [OD1,47x3,15in]	4	SA-105	3.1	
6	Ejector Screw M20x120	2	VZ8.8	3.1	
5	Nut heavy hex 1"	24	SA-194 2HM	3.1	
4	Bolt 1"x200	12	SA-193 B7	3.1	
3	Gasket 6" 600#	2	316/316L, Spiralgraphit	3.1	
2	WN Flange 6"600# RF ASME B16.5, Sch. 40 (remachined WN 600 ENF 6" sch. 40/STD)	2	SA-105N	3.1	
1	Orifice SBA 3x423,8x266 [0,16in x 16,69in x 0,12in] / B	1	SA-240 316	3.1	

Stamping-PLUS SIDE:

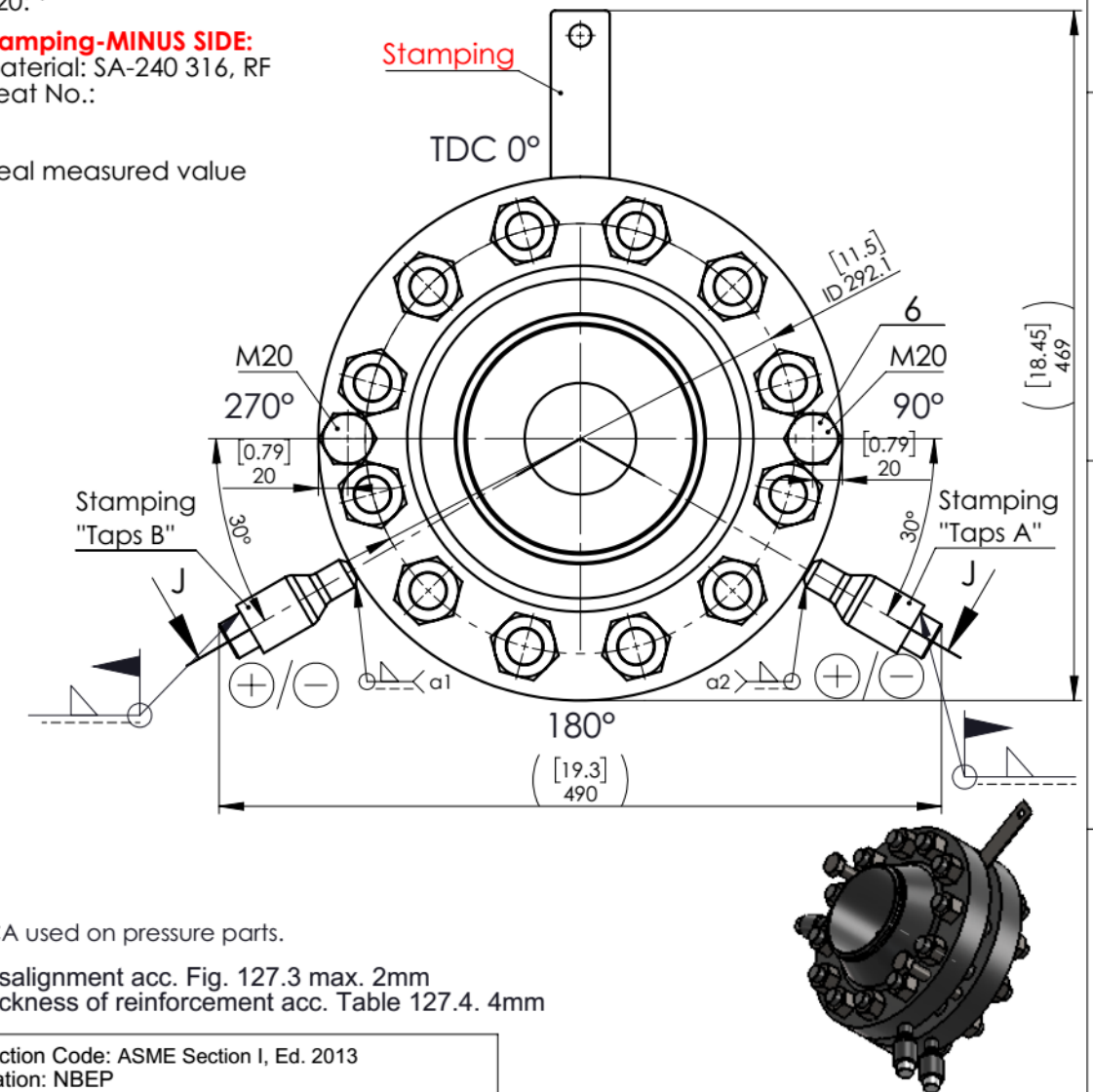
UPSTREAM
TAG-No.: see table
Serial No.: see table
ASME class: 600lbs
DN: 6"
d20: *

Stamping-MINUS SIDE:

Material: SA-240 316, RF
Heat No.:

*real measured value

Ansicht in Durchflussrichtung!
View in flow-direction!



No SILICA used on pressure parts.

max. misalignment acc. Fig. 127.3 max. 2mm

max. thickness of reinforcement acc. Table 127.4. 4mm

Construction Code: ASME Section I, Ed. 2013
Classification: NBEP
Supporting Code: ASME B31.1 Edition 2014 + 2012

Stamping: N.A. (not required by customer)

NB Registration: N.A. (not required by customer)

appl. Code cases: None

PWHT: NO

Medium: Water

Baujahr/Year built: 2016

Gew./Weight: (kg) ~172lb / 78 kg

Abmessungen./Dimensions: (mm)

L: 259 mm W: 490 mm H: 469 mm

10,21 in 19,3 in 18,45 in

PS (max. Pressure): 935Psig/ 6447kPa /64,5 bar(g)

TS (max. Temp.): 494°F/ 257 °C

PT (Testpressure): Inline!1407Psig/ 9700kPa/ 97 bar(g)

Isolierstärke/ Insulation thickness --- mm

Corrosion allowance: 0 mm

Kunde/Customer:

Projekt/Project.: V17494 - Middletown Energy Center & V17495 - Kings Mountain Energy Center

PO: V0009647 Item #8

HO: A16020088-150712

Benennung/Title: Orifice Flange Assembly LP Recirc Outlet Flow Element

Seiko: A16020088-150712/08

Kunde: Vogt Power international (VIP)

C Modification of diameter d20. 13.04.16 LB

B Implementation of customer comments, modification of plate thickness for. pos. 1 03.02.15 LB

A For release 21.12.15 LB

Index rev. Änderungshinweis/Details of Revision Datum Date Name

Revisions

Inspector: SEIKO

Einbaulage/mounting pos.: Horizontal

Druckentnahmestutzen/taps: 2 pairs

Corrosion protection: Remosil

Oberflächenbeh./Surface treatment: SA2,5



KKS-Nr./TAG-No.: 1LP-FE3003

Fabr. Nr./Serial No.: SEI15_2822

Type: MFA_F

Seiko: A16020088-150712/08

1/2

Construction Code: ASME Section I, Ed. 2013 Classification: NBEP Supporting Code: ASME B31.1 Edition 2014 + 2012					
Stamping: N.A. (not required by customer)		C	Modification of diameter d20.	13.04.16	LB
NB Registration: N.A. (not required by customer)		B	Implementation of customer comments, modification of plate thickness for. pos. 1	03.02.16	LB
appl. Code cases: None		A	For release	21.12.15	LB
PWHT: NO		Index rev.	Änderungshinweis/Details of Revision	Datum Date	Name
Medium: Water		Revisions			
Baujahr/Year built: 2016		Inspector: SEIKO			
Gew./Weight: (kg) ~172lb / 78 kg		Einbaulage/mounting pos.: Horizontal			
Abmessungen./Dimensions: (mm) L: 259 mm W: 490 mm H: 469 mm 10,21 in 19,3 in 18,45 in		Druckentnahmestutzen/taps: 2 pairs			
		Corrosion protection: Remosil			
PS (max. Pressure): 935Psig/ 6447kPa /64,5 bar(g)		Oberflächenbeh./Surface treatment: SA2.5			
TS (max. Temp.): 494°F/ 257 °C		KKS-Nr./TAG-No.:		Fabr. Nr./Serial No.:	
PT (Testpressure): Inline!1407Psig/ 9700kPa/ 97 bar(g)		1LP-FE3003		SEI15_2822	
Isolierstärke/ Insulation thickness --- mm					
Corrosion allowance: 0 mm					
Kunde/Customer:		Benennung/Title:			
					
Projekt/Project.: V17494 - Middletown Energy Center & V17495 - Kings Mountain Energy Center		Orifice Flange Assembly LP Recirc Outlet Flow Element			
		Seiko: A16020088-150712/08			Type: MFA_F
PO: V0009647 Item #8		HO: A16020088-150712		Kunde: Vogt Power international (VIP)	
				2/2	