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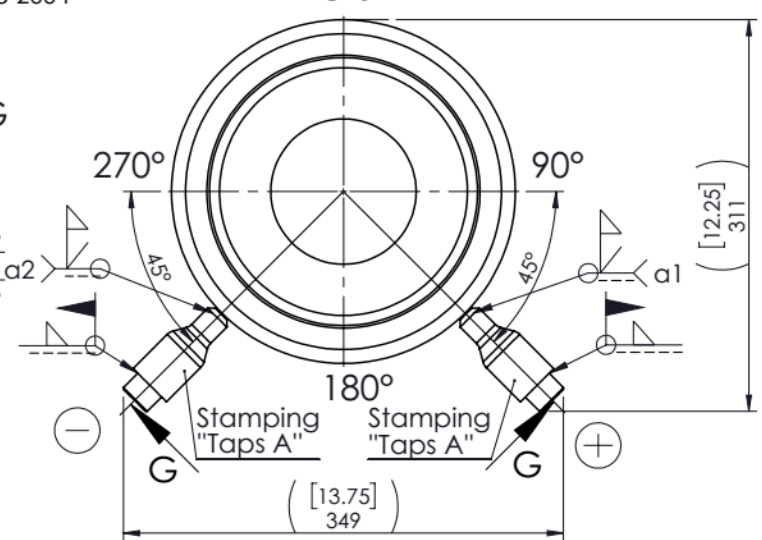
Middletown Energy Center CCPP 475MW
- Project V17494
& Kings Mountain Energy Center
- Project V17495

Calibration-VCS

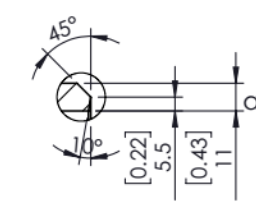
20 points per tap set, incl. repeat test points
at 25%, 50% and 75% of calibrated range /
"MID" volumetric procedure / ReDmax: 3.4E6
Accuracy: $\pm 1/4\%$
Additional uncertainties: min. 0.50%
Calibration code: ASME PTC-19.5-2004

Ansicht in Durchflussrichtung!
View in flow-direction!

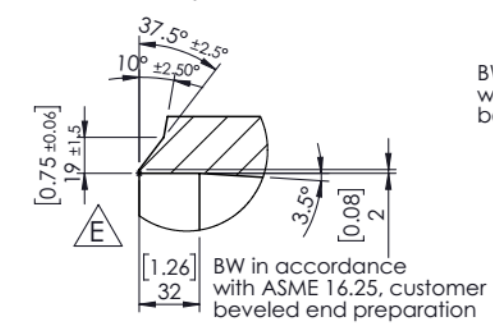
SCALE 1 : 6
TDC 0°



DETAIL F
- NOZZLE ENDING
1 : 3

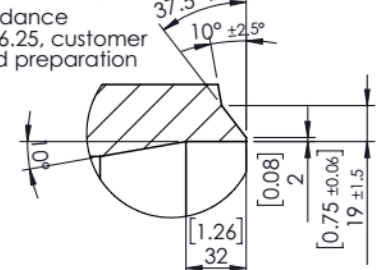


DETAIL A
- BW ENDING OF PIPE
1 : 4



DETAIL G
- BW ENDING OF PIPE
1 : 4

BW in accordance
with ASME 16.25, customer
beveled end preparation



DETAIL Y
1 : 13

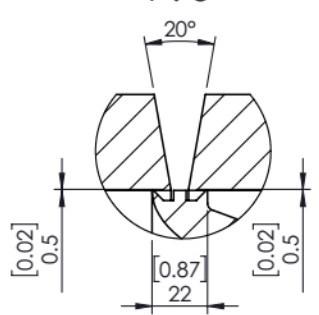


max. misalignment acc. Fig. 127.3 max. 2mm
max. thickness of reinforcement acc. Table 127.4. 6mm

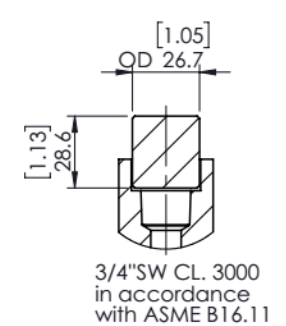
No SILICA used on pressure parts.

VOGT POWER
INTERNATIONAL
Released, Work May Proceed
Bell, Milton Jun-01-2016

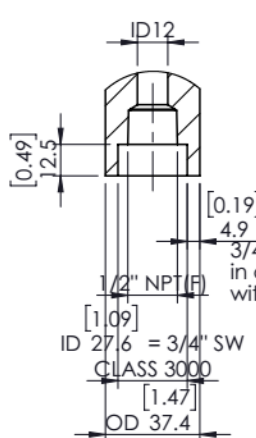
DETAIL B
- NOZZLE DETAIL
1 : 3



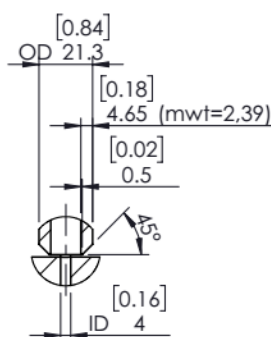
DETAIL C
- PLUGGED TAP
1 : 3



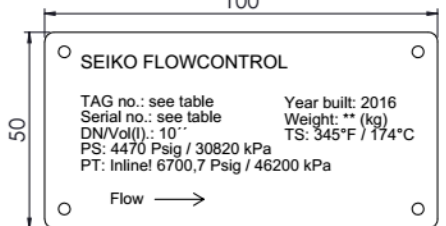
DETAIL D
- TAP DETAIL
1 : 3



DETAIL E
- DETAIL OF IMPULSE
CONNECTION
1 : 3



Pos. 6 TAG-Plate
mounted with lacing cord



*dimension will be change

ASME PTC 19.5-2004				
Target	196.850	mm ±	0.591	mm
ID Di:	7.750	in ±	0.023	in
Target	115.463	mm ±	0.058	mm
ID d20:	4.546	in ±	0.0023	in

6	TAG plate 100 x 50 x min.1.5) [3.94x1.97xmin.0.06in]	1	SA-240 304	-		
5	Plug OD26,7x28,6 [OD1,05x1,13in]	2	SA-105	3.1		
4	Pressure tap OD37,4x80 [OD1,47x3,15in]	2	SA-105	3.1		
3	Downstream pipe OD273,1x1,5x465,5 [OD10,75x1,5x18,33in]	1	SA-106 Gr. C	3.1		
2	Upstream pipe OD273,1x38,1x977,5 [OD10,75x1,5x38,48in]	1	SA-106 Gr. C	3.1		
1	Nozzle OD196,9x168,7 [OD7,75x6,64in]	1	SA-105	3.1		
Pos. Part	Benennung/Denomination Abmessung/Dimension	MA/ pcs	Werkst. Nr./ Material	Zeugnis/ EN10204 certificate	Norm / Standard	Schmelze Nr. / Charge

VOGT POWER INTERNATIONAL
V17494-CIXD-6000-04
23-May-2016



Construction Code: ASME Section I, Ed. 2013	E	Modification of welding ends and length for pos. 2, 3.	20.05.16	LB
Classification: NBEP	D	Modification of diameter d20.	13.04.16	LB
Supporting Code: ASME B31.1 Edition 2014 + 2012	C	Modification of pressure class.	07.04.16	LB
Stamping: N.A. (not required by customer)	B	Implementation of customer comments	03.02.16	LB
NB Registration: N.A. (not required by customer)	A	For release	02.01.15	LB
appl. Code cases: None	Index rev.	Änderungshinweis / Details of revision	Datum Date	Name
Medium: Water	Revisions			
PWHT: YES				
Baujahr/Year built: 2016	Inspector: SEIKO			
Gew./Weight: (kg) ~536 lb / 243 kg	Einbaulage/mounting pos.: horizontal			
Abmessungen./Dimensions: (mm) L: 1200 mm W: 349 mm H: 311 mm 47,24 in 13,75 in 12,25 in	Druckentnahmestutzen/taps: 1 pair			
PS (max. Pressure): 4470Psig/ 30820kPa /308,2 bar(g)	Corrosion protection: Remosil			
TS (max. Temp.): 345°F/ 174 °C	Oberflächenbeh./Surface treatment: SA2,5			
PT (Testpressure): Inline!6700,7Psig/ 46200kPa/462bar(g)	KKS-Nr./TAG-No.: 1FW-FE3001			
Isolierstärke/ Insulation thickness 0 mm	Fabr. Nr./Serial No.: SEI15_2815			
Corrosion allowance: 0 mm				

Kunde/Customer:	Projekt/Project.: V17494 - Middletown Energy Center & V17495 - Kings Mountain Energy Center
PO: V0009647 Item #1	HO: A16020088-150712



Benennung/Title: 10" Sch. 1.5" Flow device with 10lg radius nozzle HP Feedwater Inlet Flow Element	Type: HVLD
Zeichnungs-Nr./Drawing-No.: Seiko: A16020088-150712/01	Kunde: Vogt Power International (VPI)
	1/2

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gedruckt.

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PT (Testpressure): inline 6700,7Psig/ 46200kPa/462 bar(g)					
Isolierstärke/ Insulation thickness 0 mm					
Corrosion allowance: 0 mm					
Kunde/Customer:		Benennung/Title: 10" Sch. 1,5" Flow device with 10lg radius nozzle HP Feedwater Inlet Flow Element			
					
Projekt/Project.: V17494 - Middletown Energy Center & V17495 -Kings Mountain Energy Center		Zeichnungs-Nr./Drawing-No.:		Type:	
		Seiko: A16020088-150712/01		HVLD	
PO: V0009647 Item #1		HO: A16020088-150712		Kunde: Vogt Power International (VPI)	
				2/2	