

GENERAL NOTES

MEDIA : $O_2 - N_2 - Ar - CO_2$.
 CAPACITY : 105 Nm^3/hr .
 WEIGHT : ± 110 KG.
 MAX. WORKING PRESSURE : 40 BAR.
 TEST PRESSURE : 44 BAR.

TOLERANCE ON DIMENSIONS $\pm 3MM$.
 CLEANED FOR OXYGEN USE.

ANCHORBOLT CALCULATIONS

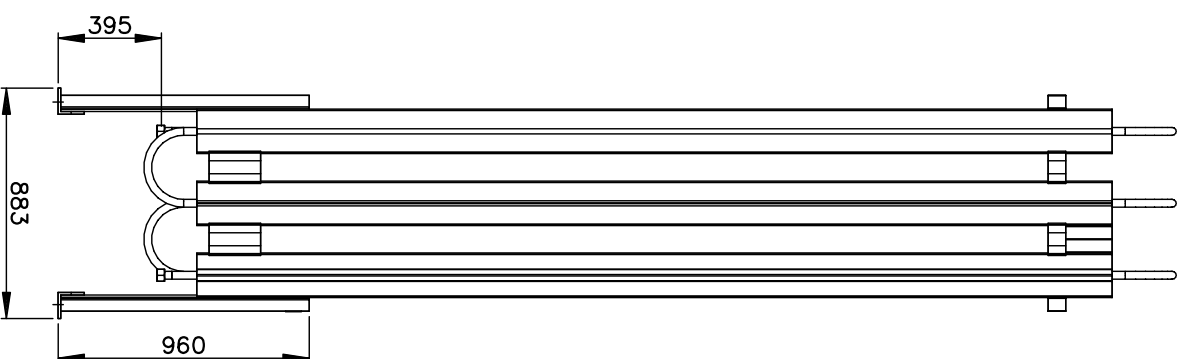
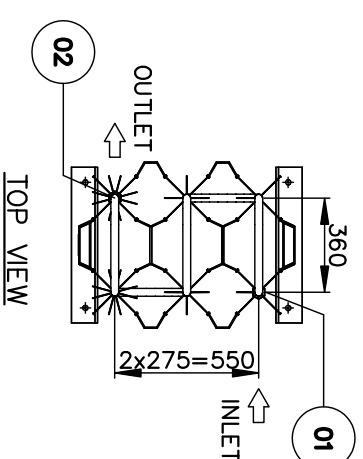
COMBINED SHEAR FORCE : 1,8 KN
 COMPR. LOAD : 12,1 KN MAX. (PER FOOT)
 TENSILE LOAD : 10,9 KN MAX. (PER FOOT)
 PRESSURE ON CONCRETE : 1,51 N/mm^2
 RECOMMENDED ANCHORBOLTS:
 * SIZE AND QUALITY : M16 QUALITY 8.8
 * STRESS(TENSILE) : 96,24 N/mm^2

GENERAL INFORMATION ANCHORBOLT CALCULATIONS:

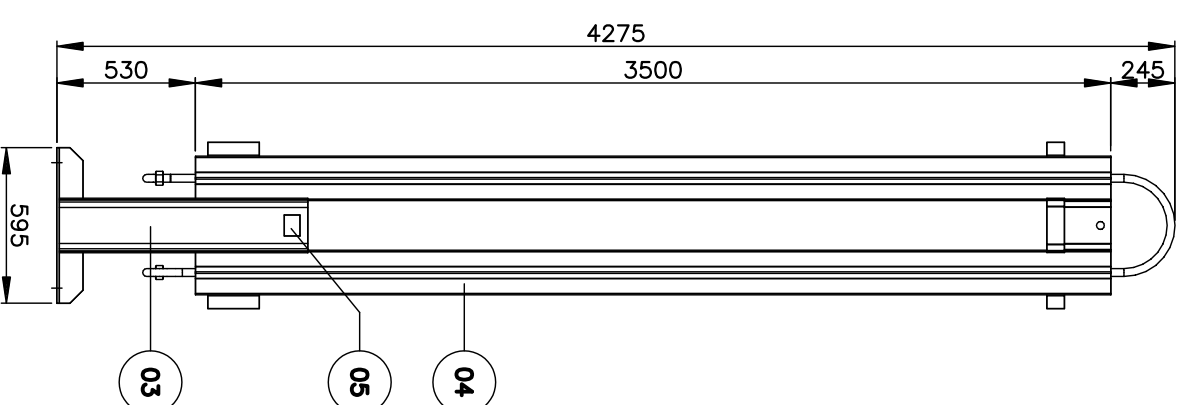
* STRENGTH ANALYSIS ACC. TO UBC-1997/AISC-1999
 * NORMAL OPERATING AND WINDLOAD CONDITIONS, INCLUDING ICE-LOAD.
 * WINDLOAD AS PER BS6399 / CP3 / UBC-1997 / DIN1055-4,
 DESIGN WIND VELOCITY 36m/s (130km/hr), SHAPE FACTOR 1,3
 * SEISMIC LOAD $Z=0,3$ (SEISMIC ZONE 3), SOIL PROFILE TYPE: Ss
 HORIZONTAL ACCELERATION LOAD: $S=0,30g$
 VERTICAL ACCELERATION LOAD $S=0,30g$
 * ICE-LOAD: UNDER NORMAL OPERATION THE BOILINGSECTION WILL
 BE COVERED WITH ICE. UNIT LOAD IS 250N/m FOR EACH BOILING PIPE.

NOTES:

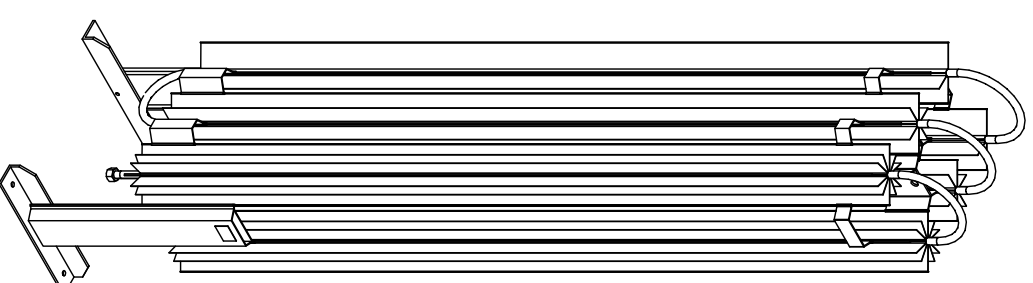
* CIVIL ENGINEER TO USE THESE VALUES FOR CONSTRUCTION OF FOUNDATION/PILES.
 * VALUES CALCULATED WITH MAXIMUM WIND-, ICE AND SEISMIC LOADS ACCORDING TO GENERAL INFORMATION AS STATED ABOVE.



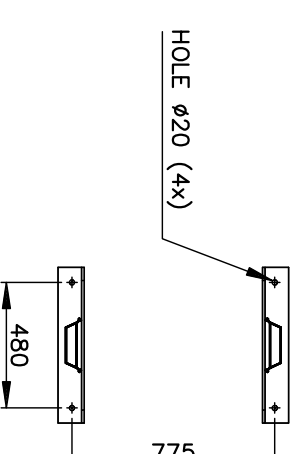
LEFT-SIDE VIEW



FRONT VIEW



ISOMETRIC VIEW



FOUNDATION PLAN

NR.	QUANT.	NAME/DESCRIPTION	DRWG.	MATERIAL	REMARKS
05	1	NAME PLATE	CN4193-4	ALUM.	
04	1	VAPORISER BLOCK	CN4219-2	ALUM.	
03	2	BASE FRAME	CN4219-2	ALUM.	
02	1	3 PIECE OUTLET COUPLING DN25	CN5000-4	ALU/AISI BRASS	
01	1	3 PIECE INLET COUPLING DN25	CN5000-4	ALU/AISI BRASS	
F	ANCHORBOLTS INFO. ADDED				
E	UPDATED				
D	POSITION LIFTING LUG				
C	FRAME UPDATED				
REV.	DESCRIPTION	DRWNL	CHK.	DATE	

wessington
cryogenics

CNLP
 2x3x3500
 AMBIENT
 AIR
 VAPORISER

CN4191-2

REPLACES:
 COPYRIGHT CRYONORM by

DRWN.: J.S.S. SCALE: 1:20
 CHECKED: JK DATE: 30-03-99
 CAD NR.: I:\... \E95,205\2F3
 XREF: