



TECHNICAL DATA									
DESCRIPTION	UNIT	CONVECTION COIL							
1 MEDIUM	—	VACUUM RESIDUE							
2 FLUID GROUP	—	1							
3 OPERATING PRESSURE	bar a	SEE STRENGTH CALCULATIONS № 675-10-MH-101							
4 DESIGN PRESSURE	bar g	SEE STRENGTH CALCULATIONS № 675-10-MH-101							
5 TEST PRESSURE	bar g	SEE STRENGTH CALCULATIONS № 675-10-MH-101							
6 OPERATING TEMPERATURE MIN / MAX	°C	335 / 615							
7 DESIGN TEMPERATURE MIN / MAX	°C	360 / 640							
8 CORROSION ALLOWANCE	mm	SEE STRENGTH CALCULATIONS № 675-10-MH-101							
9 CAPACITY	L	21030							
10 SURFACE HEATING	m <sup>2</sup>	970							
11 TEST MEDIUM / METHOD / TEMPERATURE	°C	WATER / HYDRAULIC / 10÷40							
12 MEDIUM DENSITY	kg/m <sup>3</sup>	<1000							
13 EMPTY	kg	~45158							
14 DURING THE TEST	kg	~66188							
15 DESIGN CODES	—	API 530 / EN 13445							
16 STRENGTH CALCULATIONS №	—	675-10-MH-101							
17 NDT GROUP / ACCEPTABLE LEVEL	—	1a ACC. TO EN 13445-5 / B							
18 PWHT	—	YES							
19 INSULATION	mm	NO							
20 TOXICITY	—	NO							
21 FLAMMABLE	—	YES							
22 EXPLOSIVE	—	NO							
23 MAX TEMPERATURE	°C	640							
24 MIN TEMPERATURE	°C	335							

NOTES:

- PERFORMED ACC. TO USER'S DIRECTIONS.
- FABRICATION JAWNS, INSPECTION AND TESTING ACC. TO API 530 AND EN 13445.
- MATERIALS AND ELEMENTS USED FOR MANUFACTURING DOCUMENTS 3.1 OR 3.2 ACC. TO EN 10204 AND DEFINITE IMPACT STRENGTH.
- MATERIALS SHOULD BE SUPPLIED BY MANUFACTURERS HAVING CERTIFIED QUALITY ASSURANCE SYSTEM ACC. TO DIRECTIVE 97/23/EC.
- ALL WELDS IF POSSIBLE, MUST BE BUTTWELDED.

17	CONCENTRIC REDUCER 127x10/114x10	SEE DWG.	15XSM	GOST 20072	2	2.4	4.8
16	EQUAL TEE C-100 M-140 114x11	ТН488-002-1710736-03	15XSM	GOST 20072	2	8.3	16.6
15	ELBOW 90° R-101.5 114x9	ТН488-001-1710736-01	15XSM	GOST 20072	142	3.8	539.8
14	ELBOW 90° R-125 127x10	ТН488-001-1710736-01	15XSM	GOST 20072	42	4.7	197.4
13	SMLS PIPE 114x9x118	GOST 8732	15XSM	GOST 20072	4	2.8	11.2
12	SMLS PIPE 114x9x397	GOST 8732	15XSM	GOST 20072	2	9.4	18.8
11	SMLS PIPE 114x9x399	GOST 8732	15XSM	GOST 20072	2	9.5	19.0
10	SMLS PIPE 114x9x500	GOST 8732	15XSM	GOST 20072	2	11.8	23.6
9	SMLS PIPE 114x9x16323	GOST 8732	15XSM	GOST 20072	2	386.3	772.4
8	SMLS PIPE 114x9x16458	GOST 8732	15XSM	GOST 20072	2	389.4	778.8
7	SMLS PIPE 114x9x17800	GOST 8732	15XSM	GOST 20072	64	421.2	8656.8
6	SMLS PIPE 114x9x18720	GOST 8732	15XSM	GOST 20072	4	442.9	1771.6
5	SMLS PIPE 127x10x90	GOST 8732	15XSM	GOST 20072	4	2.6	10.4
4	SMLS PIPE 127x10x1076	GOST 8732	15XSM	GOST 20072	2	31.5	63.0
3	SMLS PIPE 127x10x18635	GOST 8732	15XSM	GOST 20072	2	545.9	1091.8
2	SMLS PIPE 127x10x21910	GOST 8732	15XSM	GOST 20072	2	640.3	1280.4
1	SMLS PIPE 127x10x22000	GOST 8732	15XSM	GOST 20072	18	644.5	11601.0
ITEM	DESCRIPTION	DRAWING DWG	MATERIAL	MATERIAL STD	QTY	UNIT	TOTAL MASS
6	ISSUED FOR REVIEW AND COMMENTS	DATE	PREPARED BY	CHECKED BY	DESIGNED BY	APPROVED BY	
REV.	DESCRIPTION	DATE	PREPARED BY	CHECKED BY	DESIGNED BY	APPROVED BY	
INVESTOR	AS WAZKRU WITH	DATE	PREPARED BY	CHECKED BY	DESIGNED BY	APPROVED BY	
PROJECT	FILE-CALCULATING COIL STRENGTH AND SUBMISSION OF CONCLUSIONS FOR 00-2 WSBREAKING HEATERS KR-701/1/2	DATE	PREPARED BY	CHECKED BY	DESIGNED BY	APPROVED BY	
DWG NAME	CONVECTION COIL OF HEATERS KR-701/1/2	DATE	PREPARED BY	CHECKED BY	DESIGNED BY	APPROVED BY	
DWG NO.	675-10-MH-001	SHEET	01	OF	0	SCALE	1:20