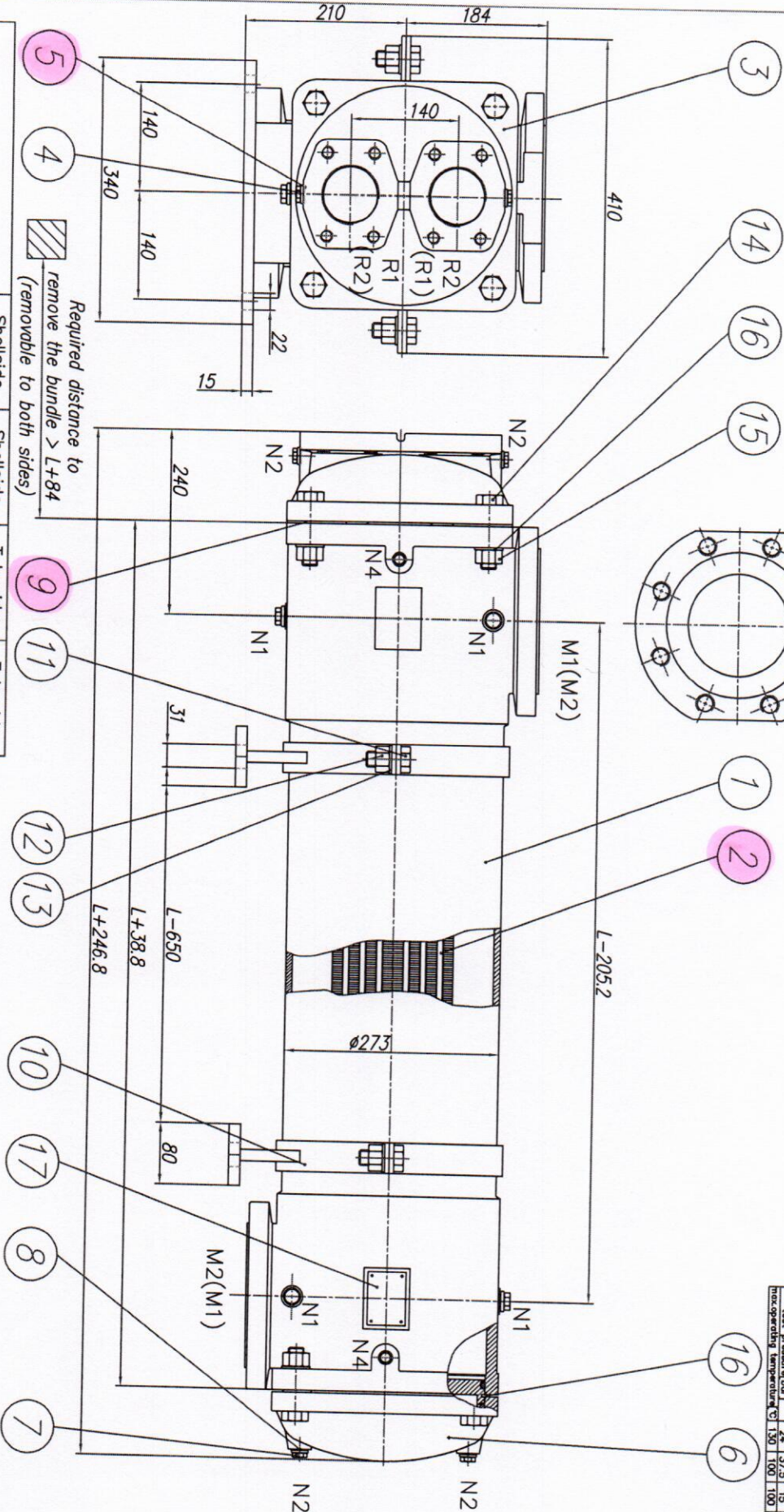


Primer:
2-Component-Epoxy Resin
Dry Film Thickness 40-60µm

approved pressures and temperatures
for ABS/BV/DNV/GL/LRS/RS/RINA/TÜV:

Pressure range	Shellside	Tubewise
max. operating pressure [bar]	16	25
test pressure [bar]	24	37.5
max. operating temperature [°C]	150	100



	Shellside	Shellside	Tubewise	Tubewise
Pressure range	X	Y	X	Y
Max. Operating pressure	-1/16 bar	-1/30 bar	-1/10 bar	-1/10 bar
Test pressure	20.8 bar	39 bar	13 bar	13 bar
Max. Operating temperature	-10/130 °C	-10/100 °C	-10/100 °C	-10/100 °C
Content [dm³] ([Lm], [L] [mm])	Lx(40-9.82/LT)+2.5 10.53xL+7.1			
Joint-Flange (1=IN/2=OUT)	M1/M2=DN125 (PN40)			
Joint-Thread (1=IN/2=OUT)	R1/R2= 3"SAE (PN16)			
Vent/Drain	N1=1/2"(6x) N4=1/4"(4x)			
Anodes	N2=3/8"(4x)			

Required distance to
remove the bundle > L+84
(removable to both sides)

THIS DRAWING AND ALL THE DATA
CONTAINED HEREIN IS THE EXCLUSIVE
PROPERTY OF HS-COOLER GERMANY AND MAY
NOT BE DISCLOSED TO OTHERS WITHOUT
WRITTEN CONSENT.

SURFACE QUALITY	GENERAL TOLERANCE
DIN ISO 1302	ISO 2768-V
DATE	NAME
DRAW: 02.12.99	garbe
CHECK: 21.02.00	Gratlich

SCALE: 1:5	(WEIGHT:)
(MATERIAL:)	Format: A3

Heat exchanger
L2200

C	Longhole-bracket	23.10.09	BS
B	Test pressure	01.01.04	gar
A	Pressure	01.02.02	gar
SYM	REV.RECORD	DATE	NAME



KS25-AEN-420

SHEET: 1	1 Sh.
----------	-------

Pos.	Quantity	Unit	Description	Part/Standard Number	Remark
1	1	pc.	Shell	GS25 - 2	
2	1	pc.	Tube bundle	RL25 - EN - 420	
3	1	pc.	Waterbox 3" SAE	KL25-A-012	EN-GJL-250 (3.1)
4	2	pc.	Sealing plug	DIN 910 - G 3/8" A	Steel galv.
5	2	pc.	Sealing ring	DIN 7603 - A 17 x 21 x 1.5	Aluminium
6	1	pc.	Cover	KL25-A-013	EN-GJL-250 (3.1)
7	2	pc.	Sealing plug	DIN 910 - G 3/8" A	Steel galv.
8	2	pc.	Sealing ring	DIN 7603 - A 17 x 21 x 1.5	Aluminium
9	4	pc.	Fixation plate	KL25-0-108	Steel galv.
10	2	pc.	Clamp bracket	KL25-0-109	Steel
11	4	pc.	Hex bolt	ISO 4017 - M20 x 45 - 8.8	Steel galv.
12	4	pc.	Hex nut	ISO 4032 - M20 - 8	Steel galv.
13	4	pc.	Washer	DIN 125 - A 21	Steel galv.
14	8	pc.	Hex bolt	ISO 4014 - M20 x 90 - 5.6	Steel galv. AD-W7 (stamped)
15	8	pc.	Hex nut	ISO 4032 - M20 - 5-2	Steel galv. AD-W7 (stamped)
16	20	pc.	Washer	DIN 125 - A 21	Steel galv.
17	1	pc.	Type plate	-	Aluminium

PR Item #03

PR Item #02

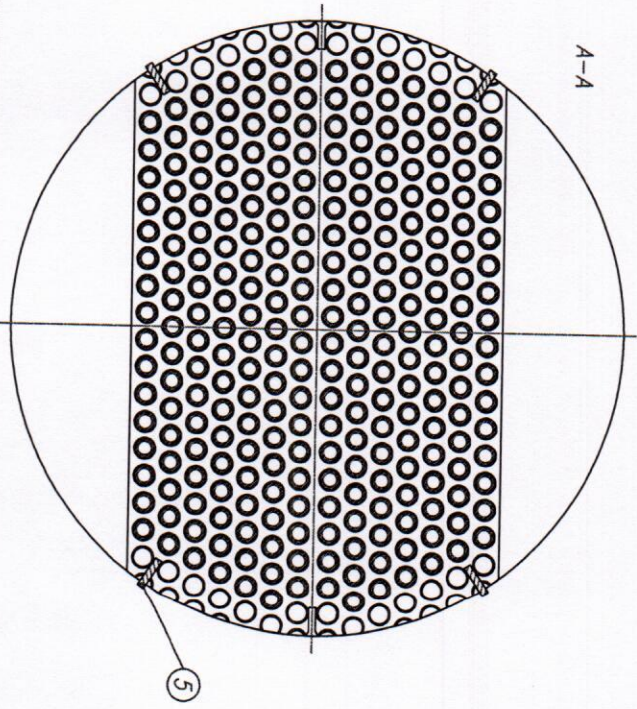
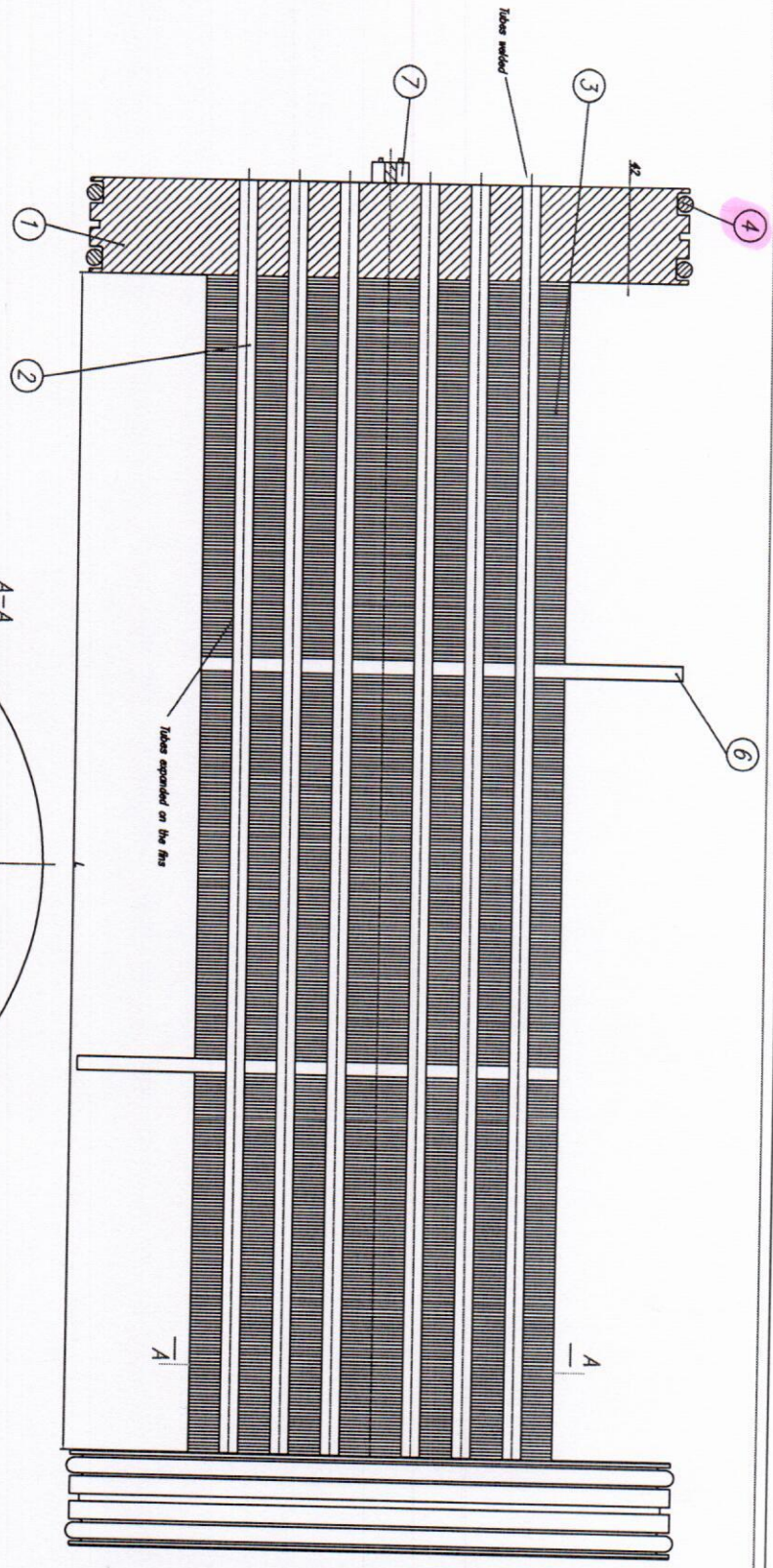
PR Item #01



Parts list

KS25 - AEN - 420

FILE: Parts list KS25.xls



Number of Baffles (Pos. 6)
 according to Parts List of Tube Bundle
 (RL25-#-#1# No Water Partition)
 (RL25-#-#2# 1 pc. Water Partition)

Water Partition (Pos. 7)
 according to Parts List of Tube Bundle
 (RL25-#-#1# No Water Partition)
 (RL25-#-#2# 1 pc. Water Partition)

GENERAL INFORMATION		DRAWING INFORMATION		REVISIONS	
NO.	DATE	BY	CHKD.	NO.	DESCRIPTION
1	1987.05.15	1	...
2	2	...
3	3	...
4	4	...
5	5	...
6	6	...
7	7	...
8	8	...
9	9	...
10	10	...

TUBE BUNDLE FOR THE PROJECT
 DRAWING NO. RL25-#-#1#
 SCALE: 1:1
 SHEET NO. 11
 PROJECT NO. 1111111111
 DRAWN BY: ...
 CHECKED BY: ...
 APPROVED BY: ...
 DATE: 1987.05.15

PR Item # 04

Pos.	Quantity	Unit	Description	Part/Standard Number	Remark
1	2	pc.	Tubesheet	KL25 - E - 062	1.4301 AD-W2 (3.1)
2	262	pc.	Tube Lr = L + 84mm	7.5mm x 0.5mm	1.4404 AD-W2 (3.1)
3	L/1.4	pc.	Fin 1.4	KL12-0-105	Aluminium
4	4	pc.	O-Ring	KL-1530	NBR
5	6	pc.	Sealing strip	L x 13 x 3	NBR
6	0	pc.	Baffle	KL25-0-106	Aluminium
7	1	pc.	Sealing bonnet	KL25-0-117	Polypropylen

NAME	DATE	NAME	DATE
DRAW	05.11.99	Garbe	
CHECK	05.11.99	Gräulich	
NORM			

Parts list



RL25-EN-420

FILE: Parts List RL25-E(T)###.xls

Sheet 1 of 1

Druckstufe (Pressure range)	Montierum (Shellside)	Rohrum (Tubside)	-
zul. Betriebsdruck(max. operation pressure), PS [bar]	-1/16	-1/10	14.3
zul. Betriebsdruck(max. operation temperature), TS [C]	-10/150	-10/100	23.6
Anschießmaß(Connection) 1. FN(N)/2 - AUSGANG	M1/M2=DN100 PN16	R1/R2=DN80 PN16	N1=2x1/2"
Anschießmaß(Connection) 2. FN(N)/2 - AUSGANG			N2=2x1/4"

PR Item # 19 of 07

Wärmeübertrager K20-FCV-421 L1120 K20-0028	
Hersteller (Manufacturer) HSC-TECH	Datum (Date) 01.11.18
Zeichnung (Drawing) 01.11.18	Blatt (Sheet) 1
Projekt (Project) 01.11.18	Zeichnungsnummer (Drawing No.) 01.11.18

