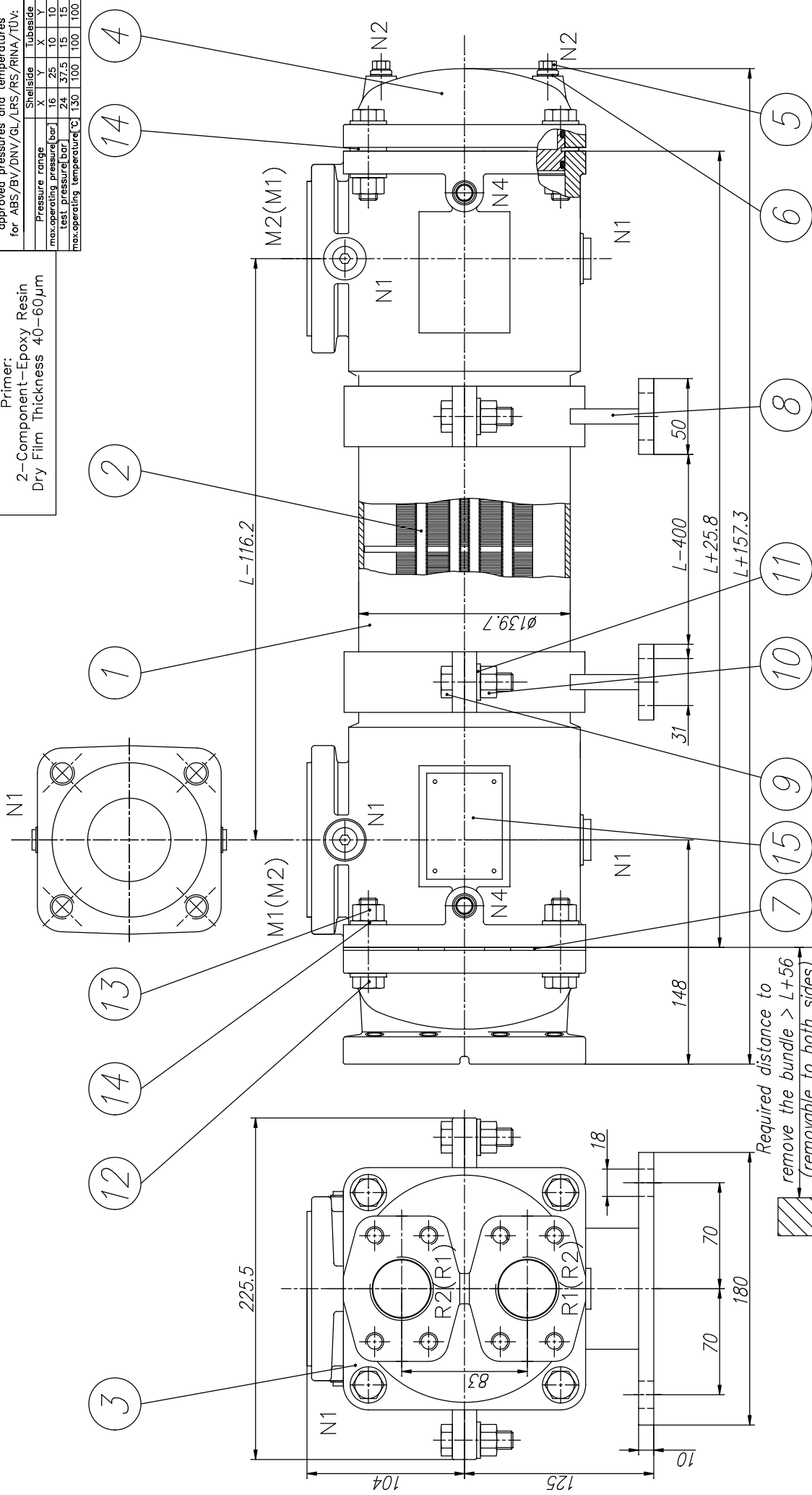


approved pressures and temperatures for ABS/BV/DNV/GL/LRS/RS/RINA/TÜV:

Pressure range	Shellside		Tubeside	
	X	Y	X	Y
max.operating pressure [bar]	16	25	10	10
test pressure [bar]	24	37.5	15	15
max.operating temperature [°C]	130	100	100	100

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



Required distance to remove the bundle > L+56 (removable to both sides)

	Shellside X	Shellside Y	Tubeside X	Tubeside Y
Pressure range				
Max. operating pressure PS [bar]	-1/16	-1/30	-1/10	-1/10
Test pressure, PT [bar]	22,88	42,9	14,3	14,3
Max. operating temperature, TS [°C]	-10/130	-10/100	-10/100	-10/100
Content [dm³] (L <sub>m</sub> , L <sub>T</sub> [mm])		Lx(10-2,74/LT)+0,5		2,85xL+1,1
Joint-Flange (1=IN/2=OUT)		M1/M2=DN50 (PN40) EN 1092-1 Type B raised face		R1/R2=SAE 1 1/2" (PN16) ISO 6162-1
Joint-Thread (1=IN/2=OUT)		-		R1/R2=G1 1/4" DIN ISO 228-1 BSPP
Vent/Drain (DIN ISO 228-1 BSPP)		N1=6x G1/2", N4=4x G1/8"		N2=2x G1/8"
Anodes		-		-

GENERAL TOLERANCE		SCALE: 1:2.5		(WEIGHT:)	
ISO 2768-m		(MATERIAL:)		Format: A3	
ISO 13920-CF		Heat exchanger		L400 to L3600	
DATE		NAME		KS12-A##-#21	
DRAM 01.12.99	Garbe	HS-cooler		AutoCAD LT 2009	
CHECK 21.02.00	Graulich	Quality		FILE: KS12-A##-#21.dwg	
Pos. Type plate 03.09.20 AH		SHEET:		1	
Test pressure, Norm 13.06.16 AH		1 Sh.			
Bracket material thickness 18.12.09 BS					
Corr. long hole-bracket 22.09.09 BS					
Test Pressure 01.01.04 Gar					
Pressure Y 01.02.02 Gar					
SYM REV RECORD DATE NAME					