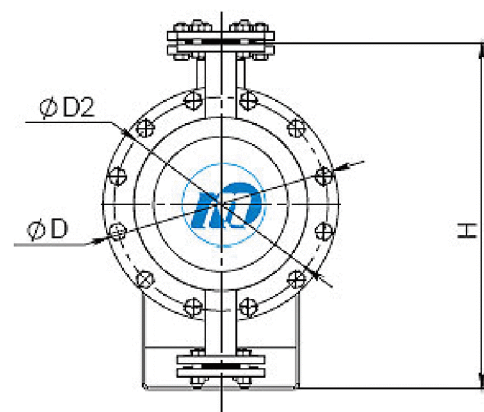
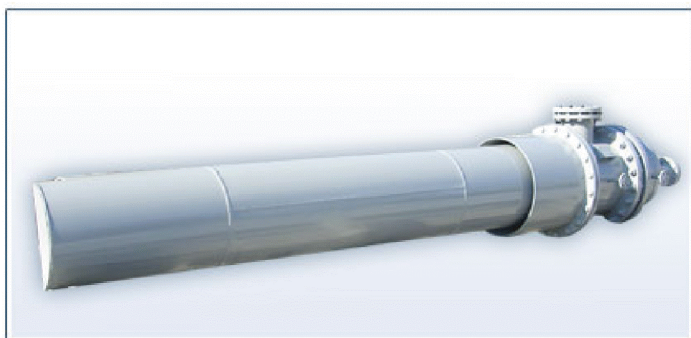


Heat exchangers

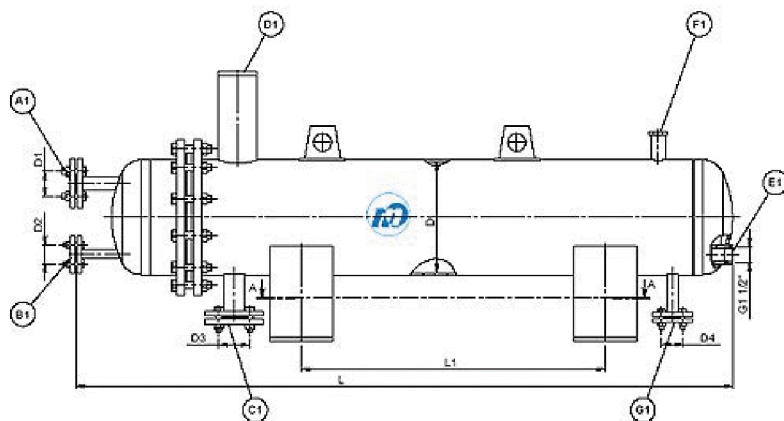
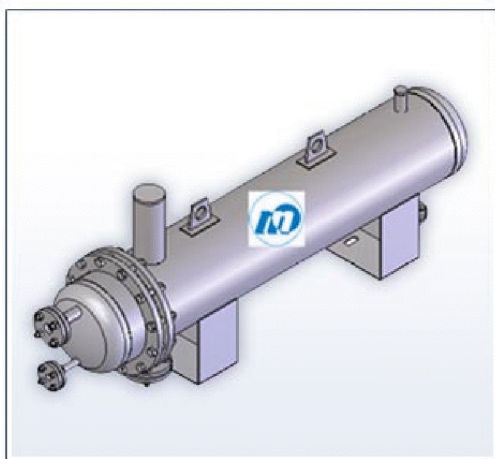
STREAM HEAT EXCHANGER

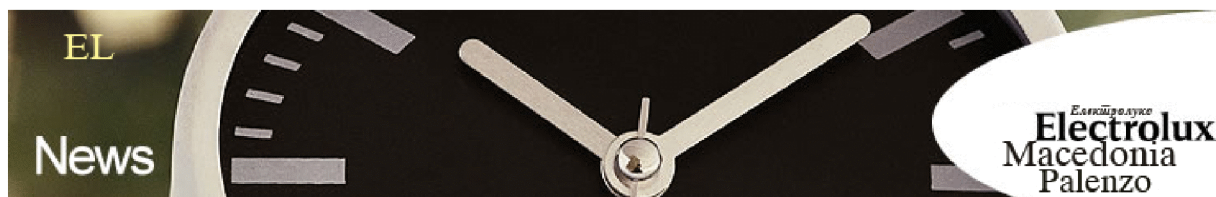
▶ [3D model](#) / [picture](#) / [description](#)



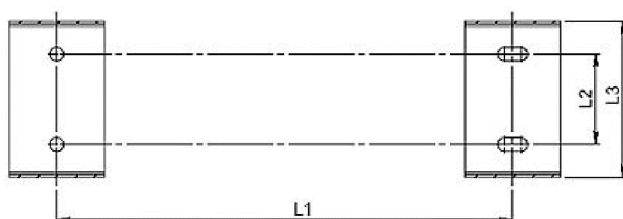
BLACK OIL HEATER

▶ [3D model](#) / [picture](#) / [description](#)





Supporting plan
A-A



1.Nozzle table

Mark	Service	Number		PN MPa	DN, mm	
		МП 273 МП 273-01	МП 315 МП 315-01		МП 273 МП 273-01	МП 315 МП 315-01
A1	Entrance steam	1		1.0	32	
B1	Exit condensate			1.0	20	
C1	Entrance black oil			1.0	50	
D1	Exit black oil			-	50	100
E1	Electric heater	1	2	-	1 1/2"	
F1	Vent			-	M 27x2	
G1	Drainage	1		1.0	25	

2. TECHNICAL DATA

INDICES			QUANTITY		DIMENSIONS
			STEAM SIDE	SHELL SIDE	
2.1	PRESSURE	MAXIMUM WORKING	0.5	0.6	MPa
		TEST HYDRAULIC	0.9		MPa
2.2	TEMPERATURE	MAXIMUM WORKING	~ 152	entrance-60 exit-100	°C
2.3	WORKING CONDITIONS	NAME	dry saturated steam	black oil	
		EXPLOSIVITY	no	no	
		FLAMMABILITY	no	yes	
		TOXICITY	no	yes	
2.4	MASS	CONSTRUCTIVE	G		kg
2.5	HATED SURFACE		F		m2

Marking	Code	F	D	D1	D2	D3	D4	L	L1	L2	L3	G
		m2	mm									kg
МП 273.00.00.00	МП 273	1,5	273	100	75	125	85	1520	650	150	265	215
-01	МП 273-01	2						230				
МП 315.00.00.00	МП 315	3	315					1850	860	170	294	255
-01	МП 315-01	4						270				