

Etanorm SYT

High Temperature And Corrosive Fluid Pump



Operating properties in standard applications

Characteristic		50 Hz
Flow rate	Q [m³/h]	≤ 625
Head	H [m]	≤ 102
Fluid temperature	T [°C]	≥ -30
Thermal oil		≤ +350
Fluid temperature		≤ +180
Hot water		
Operating pressure	p [bar]	≤ 16

Main applications

- Heat transfer systems
- Hot water circulation

Fluids handled

- High-temperature hot water
- Thermal oil

Operating properties in marine applications, to DNV GL

Characteristic	Value	Class		
		Class I ¹⁾	Class II ²⁾	Class III ³⁾
Steam				
Design pressure	p [bar]	> 16	≤ 16	≤ 7
Design temperature	T [°C]	> 300	≤ 300	≤ 170
Thermal oil				
Design pressure	p [bar]	> 16	≤ 16	≤ 7
Design temperature	T [°C]	> 300	≤ 300	≤ 150
Fuel oil, lubricating oil, combustible hydraulic oil				
Design pressure	p [bar]	> 16	≤ 16	≤ 7
Design temperature	T [°C]	> 150	≤ 150	≤ 60
Other fluids ⁴⁾				
Design pressure	p [bar]	> 40	≤ 40	≤ 16
Design temperature	T [°C]	> 300	≤ 300	≤ 200

Pump casing material		
E	Cast steel	GP240GH+N / A216 Gr. WCB
S	Nodular cast iron	EN-GJS-400-15
Impeller material		
C	Stainless steel	1.4408 / A743 CF8M
G	Cast iron	EN-GJL-250/A48 Cl. 35B