



682 Seal Cooler

Optimize mechanical seal reliability in a variety of seal support system configurations with the highly effective 682 Seal Cooler.

Seal Coolers

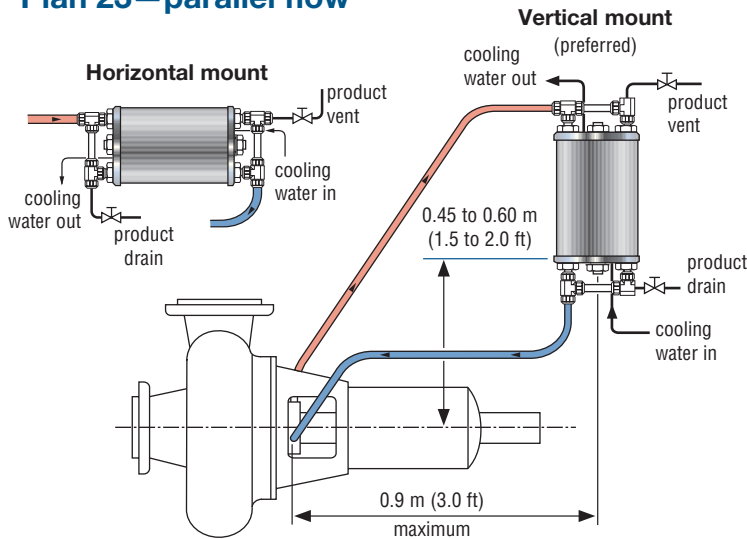
682 Seal Coolers are shell and tube systems with optimized baffling that lowers the temperature of process/barrier fluid passing through the tube while minimizing scaling and fouling of the water passing through the shell. All 682 Seal Coolers are fully compliant with industrial standards, including API 682 4th Edition, ASME Section VIII Div. 1, B31.3 and PED 2014/68/EU.

Features and benefits

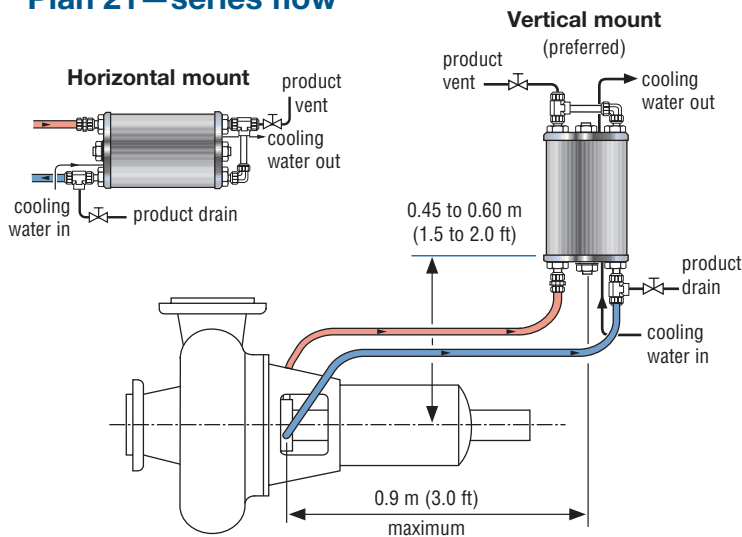
- Factory configured and hydrotested for series or parallel flow
- Total drainage and venting for both coil and shell prevents vapor lock and ensures highest efficiency
- 316 stainless steel coil and shell construction exceeds API 682 specifications and provides superior corrosion resistance
- Disassembles and reassembles easily for cleaning without damaging the cooling coils



Plan 23—parallel flow



Plan 21—series flow



Materials of construction

O-rings	Fluoroelastomer
Tubing	316 stainless steel
Fittings	316 stainless steel
Shell and covers	316 stainless steel

Model numbers

Series tube flow

A2R21431-11 (Standard and CRN)
 A2R21431-26 (U-Stamp)
 B0355704 (PED 2014/68/EU)

Parallel tube flow

A2R23812-16 (Standard and CRN)
 A2R23812-36 (U-Stamp)
 B0355703 (PED 2014/68/EU)

Operating parameters

Tube	255 bar at 370°C (3700 psi at 700°F)
Shell	17.9 bar at 150°C (260 psi at 302°F)

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