HEA

HEA AIR COOLED VESSEL HEAT EXCHANGER FOR PLAN 23 OF MECHANICAL SEAL





PRODUCT FEATURES

- Suitable for scenarios without cooling water supply.
- The HEA series heat exchange system features a serpentine coil with external stainless steel fins inside, significantly increasing the heat exchange area.
- No water source required, zero discharge, economical and energy-efficient.

PRODUCT APPLICATION

For API Plan 23

1. HE series heat exchange system cools only that fluid in which the seal operates, and this cool fluid does not enter the process, This results in high energy efficiency. Lessening the duty is very desirable because it extends the life of the cooler.

2.HE series heat exchange system is only used to remove the friction heat generated by the seal end face and the heat absorption of the process medium, which can effectively reduce the heat load of the cooler. Compared with Plan21 and 22, the heat load is lower, thus prolonging the life of the cooler.

3.Piping Plan 23 is the plan of choice for all hot water services, particularly boiler feed water, and many hydrocarbon services. This plan is

the standard selection for hot water at 80 °C (180 °F) and above, and boiler feed water.

ITEM	SERVICE
D	Cooler Drain
BD	Piping Fluid Drain
1	Flush From Seal
2	Flush To Seal
VE	Vent
TI	Temperature Gauge

SYSTEM PARAMETERS

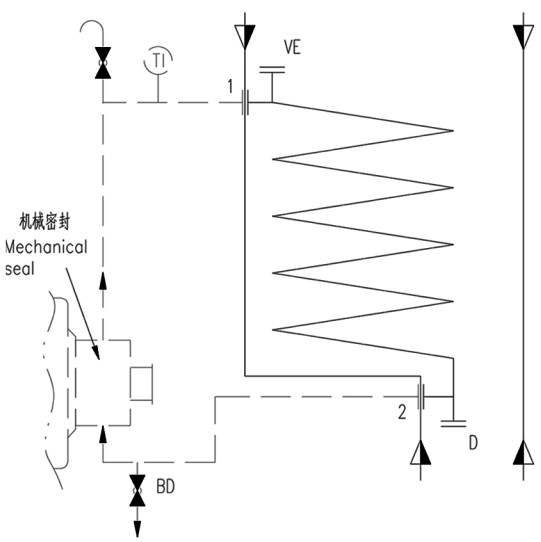
Temperature	-20°C~ +180°C
Pressure	65Bar
heat exchange area	$4m^2$, $8m^2$

SYSTEM MATERIALS

Storage tank	Carbon steel / Stainless steel
Heat exchange tubes	304SS / 316L
Fin	Aluminum alloy / 304SS

APPLICABLE INDUSTRIES

- Process pumps
- Mixer and agitators
- Elevated pressure and heat dissipation requirements
- Wide range of applications requiring high reliability across oil and gas, chemical and general Industry, and high-purity and organics



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