Cook Vortex Cooling® Packing Cases

The advanced design of Cook Vortex Cooling packing cases significantly improves heat transfer, resulting in extended sealing component life. Cook Vortex Cooling cases also simplify maintenance and eliminate gas-to-coolant leakage.

SUPERIOR HEAT TRANSFER

Cook Vortex Cooling packing cases feature single-piece cups with tangential coolant channels. The tangential configuration of the coolant channels creates turbulent flow and higher coolant velocity, virtually eliminating "dead space." The entire volume of coolant passes through a single, continuous cooling channel from inlet to outlet, resulting in superior heat transfer.

The Vortex Cooling packing case complies with API 618, 5th Edition, unlike the "plate and channel" design currently used in moderate- to high-pressure applications.

REDUCED LEAKAGE

The Vortex Cooling case design may also be used instead of conventional pressed-fit coolant cups, which have the potential for gas-to-coolant leakage at higher pressures. The single-piece construction of the Vortex Cooling cup eliminates pressed-fit cup leakage. The design also has no rod-encircling O-rings to hamper maintenance.

IMPROVED CLEAN-OUT

The straight-sided tangential cooling channels in Vortex Cooling cases offer superior accessibility through exterior cleaning ports for easy removal of blockage. Even the hardest deposits can be removed quickly with a hand drill.

ENGINEERED FOR EFFICIENCY

Vortex Cooling packing cases are custom-engineered to provide more efficient cooling than conventional designs.
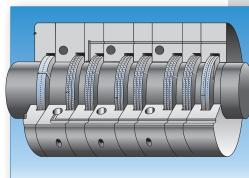
ADVANTAGES

- Cooler operation extends sealing component life

- Most efficient heat transfer

- Eliminates gas-to-coolant leakage

- Complies with API 618, 5th Edition

- Simplifies installation and maintenance
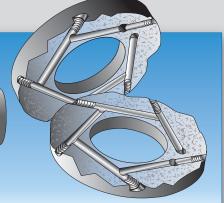
- Easy access for clean-out

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