EVY

EVY API PLAN 53A MECHANICAL SEAL SUPPORT SYSTEMS





PRODUCT FEATURES

- The EV system is a complete barrier fluid system that provides fast and trouble-free field installation for most application scenarios. These systems are pre-assembled and include all necessary components and accessories.
- The water management system is directly connected to the appropriate water supply system, resulting in a low-maintenance, highly reliable barrier fluid system. Under normal circumstances, the reservoir is pressurized by the water supply system, but only a negligible amount of water enters the reservoir. When the flow indicator shows significant water entering the reservoir, this indicates that a replacement seal needs to be considered. Similarly, the seal is cooled by the "thermosiphon" effect.

APPLICABLE INDUSTRIES

- Process pumps
- Arduous applications demanding pressurized barrier fluid
- Mixer and agitators
- Wide range of applications requiring high reliability across oil and gas, chemical and general Industry, and high-purity and organics
- High abrasives content
- Slurries

SYSTEM PARAMETERS

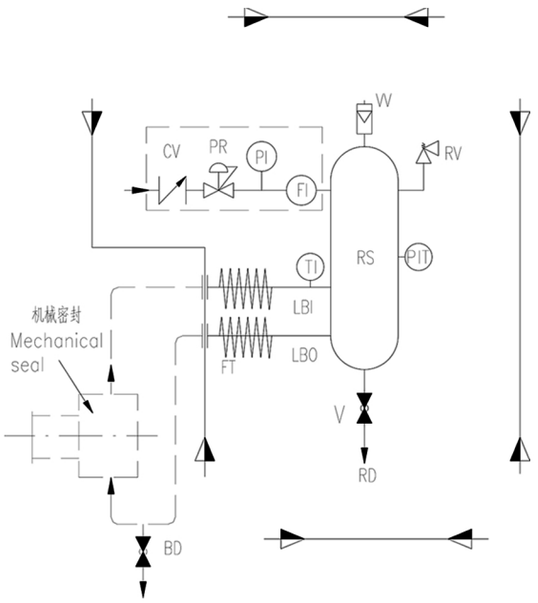
Temperature	-20°C~ +80°C
Pressure	16Bar
Volume (heat exchange area)	12L(0.24㎡)， 24L(0.24㎡)

SYSTEM MATERIALS

Storage tank	304SS
Heat exchange tubes	304SS

PRODUCT APPLICATION

EV series water management system is a mechanical seal barrier fluid management solution developed by FBU specifically for API Plan 53A.It is connected directly to a suitable water supply to form a low maintenance, high reliability barrier fluid system. In normaloperation the supply pressurizes the vessel, but negligible water is drawn. The ‘thermosyphon’ effect (natural convection) ensures the seal is kept cool. Eliminates the need to manually replenish spacer fluid for other systems at regular intervals. When the flowindicator eventually shows water is being drawn from the supply, this indicates the need to consider seal replacement. In the meantime the integrity of the barrier is maintained to extend seal life and prevent any loss of product.



ITEM	SERVICE
RD	Reservoir Drain
BD	Barrier Fluid Drain
LBI	Liquid Barrier In
LBO	Liquid Barrier Out
PR	Pressure Regulator
PIT	Pressure Transmitter
VV	Vent Valve
RS	Reservoir

ITEM	SERVICE
FT	Finned Tubing
V	Valve
TI	Temperature Gauge
CV	Check Valve
RV	Relief Valve
PI	Pressure Gauge
FI	Flow Indicator

FBU SEALING TECHNOLOGY（SUZHOU）CO.,LTD

No.183, Yinhe Road, High Tech Industrial Development Zone Changshu Suzhou, Jiangsu, 215533

+86-512-57011188

sale@fbuseals.com

www.fbuseals.com

FBU is certified to API Q1, ISO 9001, ISO 14001