LEAK PREVENTION WITH O-PRO® CARTRIDGE SEAL

Asphalt has traditionally been sealed with packing, which must continuously leak to stay lubricated. The ASP asphalt series pumps come standard with Viking’s O-Pro® Cartridge seal, which uses O-rings in combination with a lubricating grease to provide a robust seal that keeps process fluid from leaking out of the pump. The O-Pro® cartridge seal improves operational efficiency by not requiring periodic repacking or re-tensioning of the seal gland, and the leak prevention avoids loss of product and clean up costs.

FEATURES & BENEFITS

- Rugged design provides superior performance in asphalt applications
- Tight clearances offer high efficiency and excellent priming capabilities
- O-Pro® Cartridge seal combines reliable sealing with easy maintenance
- Hardened bushings, shaft, rotor, and idler used in ASP2 model to resist wear in abrasive applications

Double row ball or tapered roller bearings for axial thrust control
Threaded one-piece bearing housing allows for easy end clearance adjustment
O-Pro® Cartridge seal comes standard with FFKM O-rings to withstand high temperatures
Jacketing for steam or hot oil circulation to maintain a constant temperature
One-piece cast bracket with seal between bearings provides rigid foundation to maximize seal and bearing life
Port sizes, types, and ratings vary by pump size; see table on back

CAPACITY to 1,500 GPM (340 m³/h)
PRESSURE to 200 PSI (14 BAR)
VISCOSITY 100 to 2,000,000 SSU (20 to 440,000 cSt)
TEMPERATURE 0°F to +450°F (-15°C to +230°C)
MODELS FOR SPECIFIC APPLICATIONS

ASP1 MODELS FOR CLEAN, NON-ABRASIVE LIQUIDS

ASP1 models improve upon Viking’s robust design that has been used for decades of successful asphalt transfer by adding shaft seal leak prevention through use of Viking’s O-Pro® Cartridge seal.

ASP2 MODELS FOR ABRASIVE, FILLED ASPHALTS

ASP2 models utilize hard parts in key wear areas to reduce abrasive wear to extend pump life. The ASP2 pumps offer shaft seal leak prevention with Viking’s O-Pro® Cartridge seal.

PORTING

- Right Angle (90°) (Rotatable Casing), K-Q & M
- Opposite (180°), QS, N-RS
- NPT, K-L
- Flanged (ANSI), LQ-RS

SEALING

- O-Pro® Cartridge Seal

MOUNTING

- Foot Mount

TYPICAL APPLICATIONS

- Filled Asphalt
- Polymer Modified Asphalts (PMA)
- Cutback Asphalt
- Flux
- Blown Asphalt
- Asphalt Emulsion
- Pitch
- Tar

Note: O-Pro® Cartridge Seal is patented.

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