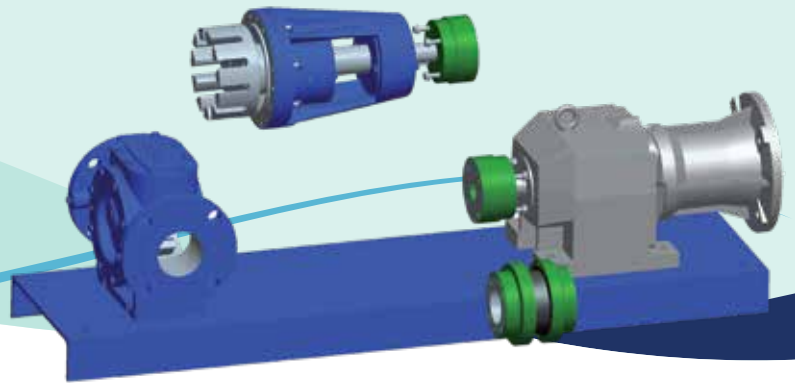


Service on pumps without breaking any pipe connections?



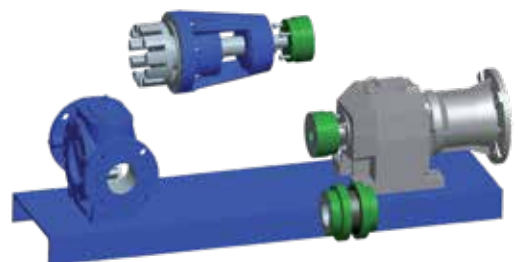
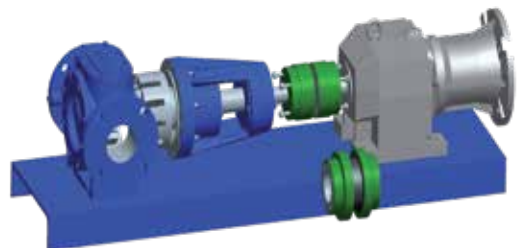
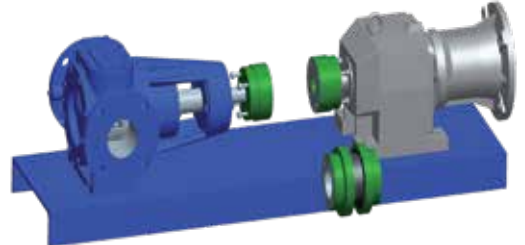
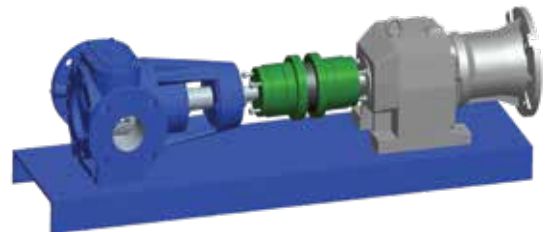
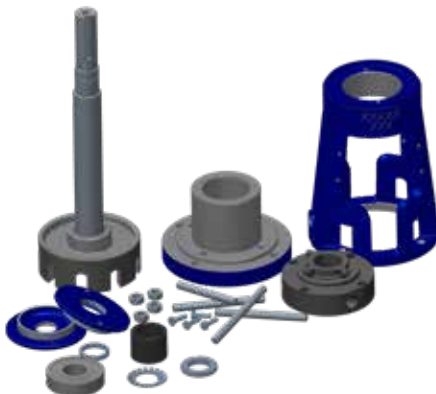
True back-pull-out feature allows inspection/repair of the rotating cartridge without disturbing the piping or coupling alignment.

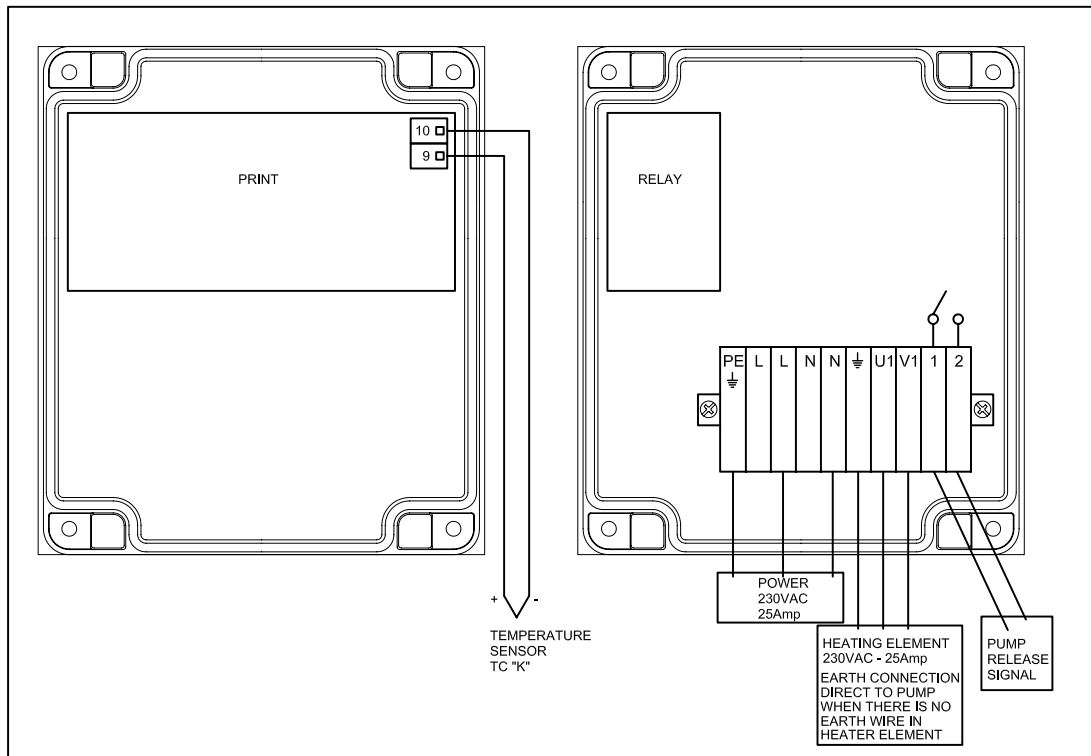
- Reduced downtime costs
- Reduced labour costs
- Spares optimization

This...



Not this...





Electrically heated ROTAN® pumps for Asphalt and Bitumen.

Temperature sensor

The pump is equipped with a temperature sensor Type K DIN EN 60584 Class 2, with a 3 m twin core cable. The green core is the positive pole and the white core is the negative pole. This temperature sensor, which is placed in the rear cover, has to be connected to an operating device which will prevent the motor from starting up until the pump medium is liquid enough to be pumped. If the distance to this operating device is more than 3 m, the temperature sensor can be connected to a temperature transmitter or the wire can be elongated with a Type K cable (NiCr-Ni).

Electrical Cartridge heaters

The voltage for the electrical heaters used in electrically heated ROTAN® pumps are 230V. Wattage: see separate scheme. If the pump is equipped with more than one cartridge heater, the cables from the cartridge heaters can be joined together in a junction box, and a single cable from there can be connected to the operating device, for instance a temperature control box

Mechanical shaftseal

When the pump is equipped with a mechanical shaft seal, the temperature sensor has to be installed near to the shaftseal. This is to prevent the pump from starting up until the pump medium is liquid enough to secure the

dynamic parts in the shaft seal to work properly.

Heating time

The heating time for HD and GP pumps, equipped with electrical cartridge heaters, from 20°C to 150°C is about four hours. This is when the pump is insulated. When the pump is not insulated, the heating time will extend about 50% or more. The heating time will vary depending on the ambient temperature and air. It is highly recommended to insulate the front cover, the pump casing and the rear cover against the pump casing with 50 mm windtight insulation. The bearing bracket (item CQ) may not be insulated, because this will cause the ball bearing (item CU) to be too warm

Stuffing Box

The stuffing box packings with DESMI ROTAN® material code 825, used in ROTAN® pumps for Asphalt and Bitumen, is made of discontinuous aramidic yarns with a graphite based compound impregnation. The temperature range is between -100°C to +400°C. For rotating pumps the pressure rating is up to 50 bar and the speed limit is 15 m/s. The chemical resistance is pH 2 - 12.