

Asphalt

Technically Advanced Solutions

- for the Asphalt / Bitumen Industry



DESMI offers flexible and proven pump solutions with up to 12 pumps sizes for asphalt and bitumen applications. The unique features of the pumps are suited for today's needs and the new polymer-based formulas. Proven sealing options are available for clean or abrasive asphalt solutions where there is concern about leakage. Several unique options are offered to secure a flexible design solution for the customer.

Typical Use

Loading /unloading of trucks /rail wagons, circulation, transport to mixers, spreaders and for the process industry (roof, cabling etc.)

Options giving Unique Advantages

- Back pullout for minimizing downtime
- Integrated bypass valve
- Selection between electrical or thermal heating
- Seal options including zero leakage (ED)
- Bearing and casing material
- Several flanges DIN & ANSI 125FF
- Inline as standard & angle as an option



HD (HEAVY DUTY) CAST IRON PUMPS

(Flow rates up to 250 m³/h / 750 US gpm)
The HD PUMPS are typically used for the asphalt and bitumen industry. The modular design of the pump together with the large number of options makes it possible for the customer to design a pump solution fitted to his needs.

ROTAN® Design Parameters	
Capacity Range	Up to 250 m ³ /h / 750 US gpm
Pressure Range	Up to 16 bar / 232 psi
Viscosity Range	Up to 250,000 cSt
Temperature	Up to 250°C / 482°F



Heating

When designing the pump solution, there are two options for heating:
Electrical heating (available in sizes 51-201), where the source is a temperature probe, mounted in a hole drilled in the idler pin of the pump. As the idler pin is placed in the middle of the pump/liquid, the heating is concentrated where it is best used. Especially road tankers/plants will benefit from this way of heating, as the electrical heating system is easily connected to existing power supply.
Thermal heating is possible by adding heating jackets to the front and rear cover.

Burner Feed

The pumps are “HardFitted” - specially designed for continuous delivery to the burner.
The clean oil burner feed and heat transfer pumps provide efficient positive delivery of clean oil and heat transfer liquids.

ROTAN® Design Parameters	
Capacity Range	Up to 50 m ³ /h / 220 US gpm
Pressure Range	Up to 16 bar / 232 psi
Viscosity Range	Up to 7,500 cSt
Temperature	Up to 150°C / 302°F
Motor Connection	IEC or NEMA flange motors

