



Temperature maintain for
hot and cold bitumen processes with
➤ Heated pressure hoses
➤ Pre-insulated heated tubes

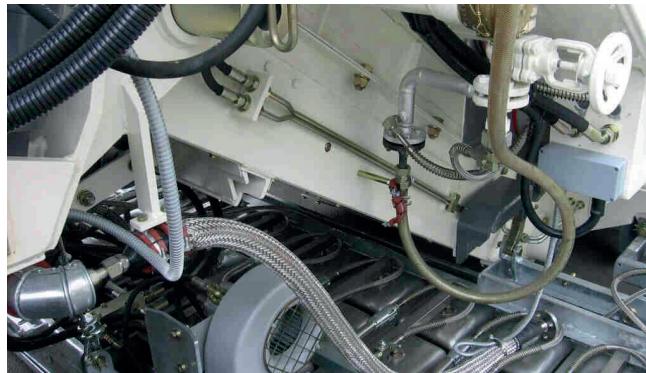
Paving the Way with Electrical Trace Heating



Cold recyclers are used to skim the old road surface and apply a new surface simultaneously. The skimmed material is then recycled. To achieve a homogeneous surface finish, hot Bitumen is added to the process. The feeder hoses need to be heated to maintain a low viscosity of the material. Due to the varying width of the working surface, the feeder hoses need to be flexible and up to 5 m long.

Advantages of heated pressure hoses:

- Reliable temperature maintain to safeguard specific properties such as bitumen flowability (viscosity)
- Flexibility and yet robust in tough industrial use
- Reliable protection against condensation
- Long-term reliable function
- Resistance to aggressive product components
- Long-term reliable function
- Low maintenance, reduced down times



Heated Pressure Hoses in Bitumen Applications



Heated pressure hoses serve to maintain a constant temperature for transporting oil, grease, wax, resin, tar, paint, water, glue, plastics or casting compounds. The heated hose is implemented in machines and robotic systems.

Electrical Heat Tracing and Bitumen

Keeping Bitumen Flowable at 180°C

Bitumen is used in road construction for asphalt overlays and to repair road damage. It is also used in joint and sealing technology for concrete and asphalt surfaces.

Hot asphalt installation is a highly automated process in which heated pressure hoses are used to keep the bitumen at 180 °C. Without heat tracing, bitumen would lose its flowability and pumpability, causing damage to machines, pumps and dispensers.

Applications

- Pipelines that carry bitumen
- Storage tanks and containers for bitumen
- Containers for transporting bitumen
- Flexible heated hoses for transporting bitumen from storage to dispensing
- Temperatures: 160 to 250 °C

Related Applications

- Hotmelt glue systems
- Filling machine
- PUR foam machine
- Processing of heavy oil
- Dosing and spray-painting machines



Schematic view of a bitumen processing unit

