



■ Heat trace system for Insapipe factory insulated pipeline

System Benefits

■ Custom made for your project

- Balances heat loss through insulation in critical installations
- Supplied already installed in pre-insulated piping lengths
- Aboveground and underground
- Choice of rugged casings

■ Simple assembly on-site

- Standard construction equipment and procedures
- All bends, tees, reducers and valves installed on site
- Kitset insulation provided
- Site supervision provided as required
- Completed on time and within budget

■ Easy to change heating cable

- Change cable heating capacity as your needs alter
- Slide out any suspect cable to replace
- Minimum disruption to insulation
- Keep downtime to a minimum

■ Quality

- Raceways 100% factory tested to certify them sealed and clear
- Water tight for long term integrity
- Factory Insulated under controlled conditions
- Qualified procedures throughout manufacture
- Strict Quality Control and Quality Assurance systems in place



■ HCU Feedstock - simple system in critical application

■ Typical Applications

- Oil production
- Oil refining
- Process lines
- Petrochemicals
- Freeze protection
- Storage systems
- Transfer systems
- Direct buried pipelines

■ Typical sites

- | | |
|-----------------------------------|----------------------------------|
| - Antarctica - Scott, Casey Bases | - various |
| - New Plymouth Power Station, NZ | - fuel lines |
| - BP Kwinana, WA | - slops and long residue |
| - Petrocorp, NZ | - crude gathering and flow lines |
| - NZ Refining Co. | - HCU feedstock |
| - Kaipara Edible Oils, NZ | - palmoline |

■ Technical Data

Insulation

Thermal conductivity:	0.024 W/m ² K
Compressive Strength	320 kPa
Shear strength	205 kPa
Density	65 kg/m

Outer casing

Above ground system casing options:

- Spiral wound galvanised steel
- Spiral wound stainless steel
- Spiral wound aluminium
- Spiral wound epoxy coated

Underground system casing

- High density polyethylene, one piece extruded

■ Heat trace cable

- Self limiting cables
- Constant wattage cables
- All 230 volt in a range of wattage outputs
- Can be cut on site. Suitable for hazardous and non hazardous areas.
- Series heaters:
- For moderate to long pipe runs up to 4 km
- Skin effect systems:
- For pipe lines up to 12 km

■ Control and monitoring equipment

Accurate temperature control of multiple circuits, rack mounting and micro processor base controls are available



■ On site commissioning 600 nb systems. Site supervision in action

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