TAGRAS Oilfield Services Holding





PROTECTION OF PIPELINE AGAINST CORROSION AND HEAT LOSS



"100 Best Goods of Russia-2014" contest laureate



лучшие "100 Best Goods of the Republic товары и услуги of Tatarstan-2014" contest laureate

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MORE THAN 60 OPTIONS FOR COMPLETING PIPELINE PROTECTION SYSTEMS AGAINST CORROSION AND HEAT LOSSES

Purpose

For construction of pipelines transporting coolant with a temperature up to 284 °F.

Field of application

- heat supply systems
- water supply system
- transportation of high-viscosity oil and oil products





Diameter range from 1.26 to 20.87 in

Operating temperature up to 680 °F



by 2-2.5 times

1

10,0

1 The metalized coating of pipe end sections Bis made of thin-walled heatresistant stainless bushings and is designed for corrosion protection of the welded seam inner surface and the weld adjacent zone.

2 Skin effect system is used when it is necessary to protect against freezing, as well as for start heating and maintaining the temperature of the transported product.

3 External insulation is made of galvanized steel, as well as light stabilized polyethylene, for above-ground and subsurface pipelining.

4 Fire protection inserts are made of non-flammable heat-insulating material and are installed in order to comply with fire safety regulations when operating pipelines.

5 Rapid remote insulation control system allows to define a place of possible pipeline rupture (with accuracy up to one meter) by the use of coating insulation resistance measurement method

6 Thermal insulation is made of polyurethane foam or two-layer combined insulation with a thermal conductivity of up to 0.033 watts per meter Celsius Allows to maintain the temperature of the transported agent

7 Internal and external polymer powder coating is made to protect the pipe coating from corrosion and improve the pipeline performance

Specifications of corrosion resistant powder coating



Advantages

- Reliable performance specifications of anti-condition coatings are guaranteed by application in factory conditions and 100% quality control.
- · Lowest heat conductivity among thermal insulators
- Construction of pipelines independent of weather conditions
- Broad options to combine different types of coatings

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