

TAGRAS Oilfield Services Holding



METAL-PLASTIC PIPES
AND PUP-JOINTS
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Metal-plastic pipes and connection pipes with a diameter up to 12.8 in. with maximum wall thickness of 0.87 in. represent a steel pipe, a pup-joint pipe with polyethylene (for underground routing) or paint coating (above-ground routing), lined with polyethylene pipe (shell) on the inside and fixed with tips made of:

- structural carbon steel (MPT—metal-plastic pipes);
- corrosion-resistant steel (MPTK—metal-plastic corrosion resistant pipes).

MPT, MPTK and MPTK (1) can be made in two versions:

- Normal—operating temperature up to +104 °F.
- Heat-resistant—operating temperature above +104 °F, but NOV +176 °F.

Purpose

MPT, MPTK and MPTK (1) are designed for the construction of pipelines transporting:

- oil-field water, refinery water and fresh water in the reservoir pressure maintenance system;
- corrosive environments of the chemical, petrochemical, oilrefining industries to which polyethylene is chemically resistant.

Advantages



Structural durability—service life of at least 30 years.



The increased reliability of the pipeline constructed using metal-plastic pipes, can significantly reduce risk of accidents.



The pipeline flow capacity over the operating years does not change.



No change in the pipeline throughput over the years of operation due to the absence of buildups.



The pipes are protected from the corrosive effects of the atmosphere during the transportation, storage and installation stages without any additional measures.

Products are supplied complete with pipeline parts

- Bent branches from 5° to 120° with a ratio of 1° and diameter of up to 6.26 in.
- Bent branches with weldnecks from 3.5 to 12.8 in. in diameter.
- Crossovers and T-bends from 3.5 to 12.8 in.
- S- and L-shaped bends up to 6.26 in.

Reliability is ensured by:

- Observation of the welding conditions in the field. The company provides author's supervision and engineering support for the first 1.864-3.107 mi of pipeline with training for the construction crew.
- Additional visual supervision of the welding process by changing the color of the thermal indicator material applied to the length of the uninsulated section at the request of the customer.