

MID-TEMP HI-GARD

Guide Specifications

GENERAL

All piping systems for service at ____°F installed aboveground as shown on plans shall be a PERMA-PIPE/RICWIL Mid-Temp Hi-Gard preinsulated and prefabricated piping system with all necessary fittings, expansion loops and accessories, etc., as specified.

PROTECTIVE JACKET

Jacket material shall be as specified and shall be sufficiently sized to allow for desired insulation thickness for optimum performance of the system.

STANDARD JACKET

Filament Wound Polyester Fiberglass	
Aluminum	22 gauge*
Galvanized Steel & Plastic Coated	24 gauge*
Galvanized Steel	
High Density Polyethylene	
Stainless Steel	26 gauge*

*Heavier jackets available upon request. Plastic coated steel available in a variety of colors.

INSULATION

Inner layer of insulation shall be either mineral wool, FOAMGLAS®, perlite or calcium silicate. Outer insulation shall be 90-95% closed-cell polyurethane with 2 lb/ft³ nominal density and thermal conductivity (k) of 0.16 Btu-in/hr/ft²/°F at 73°F.

SERVICE PIPE

Pipe shall be as specified for desired service.

FITTINGS

Prefabricated and preinsulated elbows, loops and tees shall be furnished and installed where shown on plans and shall consist of pipe, insulation and jacket conforming to the same specifications as specified for straight runs.

TRACING

Electric heat tracing shall be supplied and provide a maintenance temperature of ____°F and shall be factory-applied as an integral part of all straight runs and fittings. Method of electric heat tracing shall be (Skin Effect Current Tracing, Stereo Heat®, Heat Tape) as designed and applied by PERMA-PIPE/RICWIL.

SYSTEM SUPPORT AND ANCHOR

Anchors shall be prefabricated and furnished as an integral part of the total system. External supports shall be provided by the installer.

INSTALLATION

All pipes and accessories shall be installed in accordance with the manufacturer's recommendations. The services of a factory-trained field service instructor shall be required during all critical stages of installation and testing.

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