

# AA-SERIES Slurry Spray Piping



## Specifications

### Erosion and Corrosion Resistant Pipe Systems

Pressure Rating: 100 psi\*

Temperature Range: -40°F (-40°C) to 180°F (82°C)

Maximum Test Pressure: 1.5 x Rating

Complies with ASME NM.2, ASTM D5421, ASTM D6041,

### Pipe and Fittings

#### a. Manufacturing Process

- Combination of contact molding and filament winding

#### b. Resin

- INEOS DERAKANE 411™ (Bisphenol A Epoxy Vinyl Ester)

#### c. Reinforcement

- Surfacing Veil: Polyester (Nexus) or 'C' Veil
- Glass: 'ECR' Glass



#### d. Construction

- All pipe and fittings have a 100 mil thick, erosion/corrosion, interior & exterior barrier comprised of one layer of veil (chemical barrier) and two layers of chopped strand glass (anti-wicking barrier) in a specially formulated erosion resistant resin matrix.

#### e. Curing

- Minimum Barcol hardness of 90% of resin manufacturer's specified value.

#### f. Flanges

- Flanges shall be full face FRP style. Drilling shall be in accordance with ANSI B16.5 Class 150. Flanges shall have a liner of the same construction as pipe and fittings and be qualified in accordance with ASTM D5421.

\* Spray headers can be custom-designed to system requirements

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# Specifications

## g. Joints

### o Pipe

Joints are matching tapered adhesive or butt type, and designed to provide equivalent strength to the pipe being joined.

### o Branches

All branch connections and outlets have a molded internal radius.

### o Spray Nozzles

Spray nozzles are joined to pipe by proven means of attachment, i.e. flanged, bonded, or mechanical joint.

## h. Sizes

AA-series pipe is available in sizes 1" - 60" diameter.

## i. Quality Assurance

All pipe and fittings are manufactured under a formal and documented QA program in accordance with a recognized Quality Assurance Standard (e.g. ISO 9001:2015).



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