

Technical Specifications for Cleaning Air Lines



GENERAL:

Steel, concrete, cast iron, asbestos cement, plastic, fiberglass or other pipe shall be cleaned free of all foreign materials such as moisture, mill scale, construction debris, etc. leaving the internal periphery of the pipe smooth (and dry) and as free of foreign matter and irregularities as age and internal conditions of the pipe will allow.

CLEANING METHOD:

Cleaning (drying) shall be accomplished by pneumatically propelling a pipeline pig down the tube as manufactured by Pipeline Pigging Products, Inc. or equal. The pig shall be introduced into the pipeline by means of a launching device which will accommodate the "oversized cleaner". (see pig description)

CLEANING PIG:

The pig shall be constructed of a flexible, polyurethane, (open cell) ester type foam. Drying types shall weigh approximately 2 lbs./cu.ft. (density). The density of wiping and scraping type pigs shall be 5-7 lbs/cu. ft. For short or intermediate runs and 8-10 lbs./cu. ft. for longer runs.

- The cleaning pig is to have a dished base and a parabolic nose and have a length approximately 2X its nominal diameter.
- The cleaning pig's diameter shall be approximately 2% oversized to the inside diameter of the pipe to be cleaned.
- The cleaning pig shall have the ability to negotiate short radius bends, ells, tees and reduced port valves.
- The cleaning pig for drying shall have a flexible seal comprised of polyurethane coating on its tail.
- The cleaning pig to be used for wiping and scraping shall have flexible coatings of polyurethane applied to their outer surfaces and tail.
- The cleaning pigs shall have the ability to negotiate multidimensional piping (up to 35%) without appreciable damage to the unit.

Note: Extreme caution should be exercised when propelling pigs with compressed gases as the cleaner may act as a projectile when existing the pipeline.

