

## Safety Advisory

- The SmartPipe™ installation is to be used only for compressed air and inert gases; for other compatible fluids, please consult the factory.
- The SmartPipe™ installation may be attached to a ceiling only if the clips are fixed to a solid base or to 3/8" threaded rod hangers. The base must allow a proper alignment of fixing clips in order to ensure their stability and efficiency when normal expansion and contraction occur. Refer to ASME B31.3 and local codes.
- The SmartPipe™ installation must be protected against mechanical and other shocks and impacts, and particular care must be taken to protect tubes and other components in areas where fork lift trucks, other moving vehicles, moving equipment, or other activity creates a risk of contact with the SmartPipe™ system.
- SmartPipe™ rigid tubes must not be bent, welded, twisted or deformed, as this decreases the strength and integrity of the pipe system.
- SmartPipe™ tubes and connectors must not be subjected to greater numbers of rotations than are specified in the installation guide.
- The effects of expansion and contraction in the particular application must be considered, to avoid having components become deformed, leading to failure.
- All of the technical characteristics of the SmartPipe™ system must be taken into account in the installation and assembly for the particular application. The technical characteristics are found in the SmartPipe™ catalog and the Installation Guide.
- All SmartPipe™ assembly and installation must be done by properly trained personnel familiar with the products, their characteristics, their limitations, the hazards involved, OSHA and other applicable safety requirements, and the assembly and installation requirements.
- The SmartPipe™ products and installation must be serviced only by trained and certified personnel as described above.
- The SmartPipe™ installation must meet all safety standards in OSHA or any other applicable regulations, requirements or standards.
- Air pressure in the system must not exceed 232 psi. Higher pressures increase the risks of breakage and leaks. Consult the factory for specific applications.
- The SmartPipe™ system may not be used in an environment with ambient temperatures in excess of 140° F. Such temperatures may cause leakage in seals.
- The air pressure must be turned off during assembly, installation, repair, service or replacement.
- The SmartPipe™ system should be pressure tested after installation is complete, but before the system is put into operation. Likewise, the system should be pressure tested after any servicing or repairs, and after any abnormal circumstances, such as extreme temperatures or physical shock.
- All procedures and descriptions in the Installation Guide must be followed.

***Failure to follow these requirements will increase the risk of serious injury, as well as increase the likelihood of operating failures.***

**WARNING:** Installation and assembly must be completed as set forth in the Installation Guide and Assembly Guide. Failure to comply precisely with these instructions can cause unsafe operating conditions and serious personal injury or death. Compressed air systems involve inherent hazards, and if pieces are not properly assembled and installed, end pieces could blow off, creating the potential for serious injury to those in the area, and pipe and joint breakage and air leaks may occur, exposing those in the area to the risk of injury from air under pressure or from falling or moving pipes or other parts of the system. Take particular care with installation of end caps and wall brackets.

## LIMITED WARRANTY

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