

XP Fittings

Product Information

Preface

Franklin Fueling Systems (FFS) manufactures APT XP series flexible piping systems which are designed to provide containment and transfer of product in your fueling system. APT XP series piping can be used in either pressure or suction applications. **Follow all instructions.**

XP series piping systems are installed in accordance with published APT installation instructions by factory certified installers only! APT cannot guarantee against leakage if this instruction guide and our maintenance program is not adhered to. To ensure your system integrity, it is essential that an inspection program be in place and adhered to as outlined in our warranty. Refer to this informational guide, individual installation instructions, the *XP Series Warranty Certification and Site Maintenance Guide* (FFS-0029), the APT product catalog or visit the APT website at www.flexpipe.com for proper product and installation practices for your site design. If you need further assistance, please contact APT or an APT sales representative.

Important Reference Items

- All FFS XP series flexible piping systems are UL 971 approved (File # MH17457) for use with A&M Fuels, CT Fuels, HB Fuels, and MV Fuels.
- XP series piping systems are for underground use only with the rated operating pressures and bend radii shown in the table.
- XP series piping is not intended for use as connector pipe or with aboveground or marine applications.
- Sumps should be monitored to be kept free of debris and spilled product at all times; please refer to the XP Warranty for further details.
- XP piping systems can use MN-XP-XXX-YYY, MS-XP-XXX-YYY, QR-XP-XXX-FFF or MS-XP-SW-XXX-YYY fittings (XXX specifies pipe size, YYY specifies NPT thread size, and FFF specifies flange size).
- FFS requires the use of OEM fittings, parts and accessories.
- XP piping systems are intended for installation in normal soil applications.

XP Piping Information Table

Pipe Style	Primary Pipe Rating (psi)	Secondary Pipe Rating (psi)	Min. Bend Radius
XP-100-D	100 (6.89 bar)	N/A	36" (92cm)
XP-100-SC	100 (6.89 bar)	8 (0.55 bar)	36" (92cm)
XP-150-D	100 (6.89 bar)	N/A	36" (92cm)
XP-150-SC	100 (6.89 bar)	50 (3.45 bar)	36" (92cm)
XP-175-D	100 (6.89 bar)	N/A	36" (92cm)
XP-175-SC	100 (6.89 bar)	8 (0.55 bar)	36" (92cm)
XP-200-D	100 (6.89 bar)	N/A	36" (92cm)
XP-200-SC	100 (6.89 bar)	8 (0.55 bar)	36" (92cm)

Definitions & Acronyms

XP series piping with a SC suffix in the part number indicates that the piping is designed to be used as a PS, NV, or a VR system. XP series piping with a D suffix in the part number indicates that the piping is designed to be used as a PC, NV, or a VR system.

Aviation & Marine Fuels (A&M Fuels) - Motor vehicle and speciality aviation or marine use fuels for up to 100% kerosene or leaded gasoline.

Concentrated Fuels (CT Fuels) - Motor vehicle and alternate unblended fuels for up to 100% concentrations of Toluene, Methanol and Ethanol.

High Blend Fuels (HB Fuels) - Motor vehicle fuels with higher than normal gasoline blends with a maximum of 50% Methanol or 50% Ethanol.

Integral Primary/Secondary (PS) - A single pipe and/or fitting constructed at the manufacturer that combines both primary carrier and secondary containment with an interstitial space that can be monitored for leakage.

Motor Vehicle Fuels (MV Fuels) - Petroleum-based hydrocarbon fuel typically found in consumer dispensing stations, such as gasoline or diesel, including blended fuels with a maximum of 15% MTBE, 15% Methanol or 30% Ethanol.

Normal Vent (NV) - Pipe and/or fittings intended to transfer displaced air or fuel vapors from an underground tank to grade during filling and provide atmospheric pressure equalization.

Primary Carrier (PC) - Pipe and/or fittings intended for continuous contact with the flammable liquids in a system under normal use conditions.

Underground Nonmetallic (UGN)

Vapor Recovery (VR) - Pipe and/or fittings intended to transfer collected air and fuel vapors in a pressure vacuum system to an underground tank during dispensing.

Storing Materials

While the XP fittings are unaffected by UV light, APT piping primary and secondary jackets should not be exposed to direct sunlight at any time. APT pipe is delivered on reels with a protective wrap which inhibits UV damage to the pipe during shipment. APT Secondary Contained (SC) pipe incorporates a scuff guard layer which protects the pipe in transit and adds a degree of UV protection to the pipe jackets. FFS recommends that the scuff guard layer not be exposed to direct sunlight for more than three months or UV degradation may occur. It is the contractor's responsibility to cover entry boots installed above grade with a UV resistant cover or lid in order to eliminate UV exposure.

Inspection of Materials

FFS handles all components of the XP series piping system with care; however, rough handling (drops and impacts) that may cause damage and leaking are possible during storage and transit after departure from our facility. It is important to examine the fittings for any deep scratches, cracks, dents and/or other visible damage. Do not use any components of the XP series piping system that shows signs of damage. If any questions arise in regards to potential damage, contact FFS immediately.

If leakage or damage is detected in any part of the system (either by inspection of the sump, a leak detector, or similar monitors), the problems are to be immediately investigated by the site operator. If leakage or damage to the piping system is verified, the manufacturer must be notified. Disabling or ignoring any of the previously mentioned leak detection methods may lead to further damage, could create a potentially deadly hazard, and will release FFS from any obligation under our warranty.



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