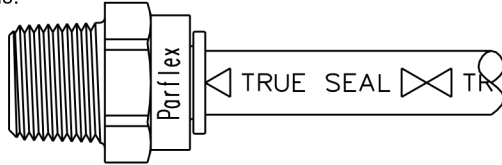


# TrueSeal™ Thermoplastic Push-In Fittings

The patented\* TrueSeal push-to-connect thermoplastic fittings are light weight, reusable, and connect to plastic tubing without the use of tools.



## Features

- All components in TrueSeal fittings are manufactured from FDA compliant materials and are NSF-51 listed for contact with food and potable water.
- All-plastic body designs offer reduced weight, eliminate rust, corrosion, and system contamination in applications where metal components cannot be tolerated.
- Collets are offered in either a patented all-plastic design for use with flexible tubing or with a metal grip edge made from 300 series stainless steel for use on all tubing including copper. Connections made with metal gripper collets and tube stem adapters are not reusable.
- Extra deep tube seat in fitting body provides support to reduce side-load leakage.
- Elastomer o-ring seal provides positive compression on tubing O.D. in vacuum or pressure applications.
- Removable collet design permits o-ring replacement in the field. Collets are available in colors for easy color coding of systems.
- Tube stem adapters provide a wide range of tube-to-port jump size potential and allow elbows and tees to swivel for positive tube routing alignment.

## Applications

TrueSeal fittings find wide acceptance in water conditioning, filtration, and reverse osmosis industries and on water, soft drink, beer, wine, and condiment dispensing equipment. Industrial applications range from vacuum to low-pressure hydraulic and pneumatic systems on robotics, air logic, packaging/filling equipment, and conveyors. Ink and dye transfer, lubrication and cooling lines on presses, machine tools, ion implanting devices—all rely on TrueSeal.

### Standard Materials

Material	Fitting Color	O-Ring
Acetal	Gray	Nitrile
Polypropylene	White	EPDM
Kynar®	Natural	Viton

Colored collets are also available in black, white, red, blue, green, yellow, and orange. [Consult division.](#)

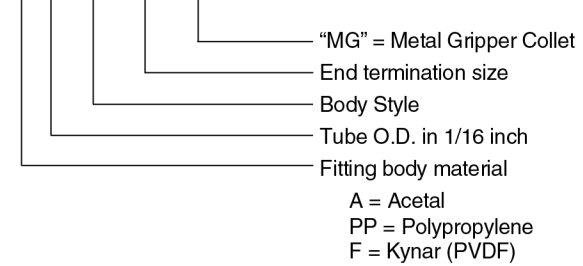
KYNAR® is a registered trademark of Atochem North America, Inc.

\*U.S. Patent 5,584,513

**Note:** Provide adequate fail-safe mechanisms such as leakage detection sensors, automatic shut-off controls or other industry and code appropriate fail-safe devices in the design of your water-handling appliance to protect against personal injury and property damage. Plastic fittings containing an o-ring that are used in water applications should be replaced at least every five years or more frequently depending on the environment and severity of the application.

## How to Order

A 4 MC 4 -MG



## Working Pressure

TrueSeal fittings are rated for the pressures listed below or at 1/4 (one-fourth) of the rated burst pressure of the tubing being used (whichever is less). One-half inch fittings with metal gripper collets are rated at 3.3:1 burst safety factor.

Fitting Size	Acetal	Polypropylene	Kynar®
1/4"	300	150	300
5/16"	300		
3/8"	300	150	300
1/2"	250		
Temp. Range	-20°F (-29°C) to +180°F (85°C)	0°F (-18°C) to +225°F (110°C)	0°F (-18°C) to +275°F (135°C)

These pressure ratings are based on tests conducted with Series NR tubing at 73°F. Actual working pressures may be lower at elevated temperatures. [Consult division.](#)

## Tubing

TrueSeal fittings with all plastic collets can be used with the following tubing materials: polyethylene, polypropylene, nylon, Teflon, and polyurethane (3/8" and 1/2" polyurethane should use tube supports). TrueSeal fittings with metal gripper collets can be used with tubing listed above and soft copper tubing. [For stainless steel or glass tubing or all other metal tubing, consult factory.](#)

Tube Sizes	O.D. Tolerance	Insertion Depth
1/4"	±.005"	11/16"
5/16"	±.005"	13/16"
3/8"	±.005"	3/4"
1/2"	±.005"	7/8"

## Assembly Instructions

- Cut tubing square and clean. [\(Use a Parker plastic tube cutter, Part No. PTC.\)](#)
- Mark from end of tube the length of insertion (see table above).
- Push tube into the fitting until it bottoms out.
- To remove, depress collet and pull tubing out.
- Use Parflex TrueSealant (Part No. PTS) on threads.