

## Presto Encapsulated Cartridges

### Advantages

Parker Presto Encapsulated Cartridges are a compact, economical design that allows the user to eliminate the space and labor required to install and assemble a conventional pipe thread fitting connection. Weight reduction and the elimination of pipe thread leakage related to improper assembly techniques are also improved. The Presto Cartridge design allows for faster and easier installation of components and assemblies. An external o-ring is included assembled to the Presto Cartridge to insure a leak free cavity. The PMTCER includes a built in tube support. Once the Presto Cartridge is installed in a single step cavity, no special tools are needed to assemble. Just bottom the tubing into the cartridge body for a positive seal. For color coding use the PMCEN cartridge. After installation into a cavity, simply snap on the color coded release button onto the PMCEN Cartridge. The PMTCER requires no additional button assembly.

### Materials

Presto Encapsulated Cartridges are designed to be installed into a thermoplastic (Nylon/Glass Filled Nylon/Acetal) cavity. Consult factory for specific cavity or housing materials that would be suitable for a particular application.

### Applications

#### Industrial (PMCEN, PMTCER)

Once the Presto Encapsulated Cartridge is installed into an approved cavity material, use with Parker Parflex series "E" polyethylene tubing, series "N" nylon tubing, series "U" polyurethane tubing or soft metal tubing in pneumatic instrumentation circuits and various industrial applications.

#### Air Brake (PMCEN)

For Air Brake applications, use with Parker Parflex SAE J844 Type A and B nylon tubing. Sizes 5/32" and above meet D.O.T. FMVSS 571.106 air brake performance specifications. The addition of a stainless steel tube support (63 NTA) in sizes 1/4" and above assures that the cartridge assembly will meet the performance requirements of SAE J1131 and D.O.T. FMVSS 571.106. Consult factory for specific cavity or housing material to insure cartridge to cavity assembly will meet SAE J1131 requirements. 1/8" Presto Encapsulated Cartridges are designed for use in pressure protected air accessory lines that are isolated from the air brake system.

#### Air Brake (PMT CER)

For Air Brake applications use with Parker Parflex SAE J844 Type A&B nylon tubing. PMTCER cartridges with a built in tube support meet performance requirements of D.O.T. FMVSS 571.106 and SAE J1131.

### Technical Data

- Working pressure from vacuum to 250 PSI
- Working temperature from -40°F to +200°F (Note: See tubing manufacturer's recommendations for pressure and temperature limitations. Check working temperature of manifold material)
- Buna N (nitrile) O-Rings

### Tube Assembly Instructions

1. Cut Parker Parflex thermoplastic squarely using Parker tube cutter PTC-001. Metal Tubing should be cut square and free of burrs.
2. Insert end of tubing into cartridge until it bottoms. Pull on tubing to verify it is properly retained.
3. To disassemble, simply hold release button against the body and remove tubing.
4. To reassemble, lubricate leading end of the tubing with light oil or petroleum jelly.

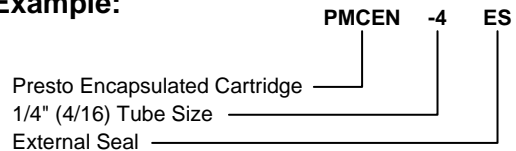
### Order

By part number and name.

### Nomenclature

Part numbers are constructed from symbols that identify the style and size of the cartridge. Presto Encapsulated Cartridge buttons for the PMCEN are to be ordered separately from the cartridge and specified by color.

### Example:



### Special Cartridges

Encapsulated cartridge configurations and/or sizes other than those shown in the catalog can be furnished. Non-standard o-ring materials available. It is suggested that a print or sketch be submitted with the inquiry. Price and delivery for non-stock items furnished on request for specified quantities.