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PRODUCT SPECIFICATIONS:

RESIDENTIAL CO-PILOT BY-PASS

FAMILY:	METER BY-PASS
PRODUCT:	RESIDENTIAL CO-PILOT
TYPE:	SPECIFICATIONS
DOC:	PS-406/REV6
PAGES:	2

SCOPE:

This document describes the standard specifications and features related to GF Central Plastics residential meter by-pass assemblies. This specification covers the by-pass assembly along with all possible connection configurations in either coated polyester, uncoated (BMI), galvanized (GMI), or electroplated zinc coatings.

SIZES:

Meter Connection sizes with 6" center to center 10LT, 1A, 1-1/4, 20LT, & 30LT

REQUIREMENTS:

- ANSI/ASME B109.1 Meter Case Specification and Connections
- ASTM A197 Standard Specification for Cupola Malleable Iron
- ASTM A153 Hot Dip Galvanizing
- ASTM B633 Zinc Plate with Yellow Dichromate Fe/Zn 8 Type II

REFERENCE DOCUMENTS:

- ANSI/ASME B16.3 Malleable Iron Threaded Fittings

MATERIALS:

- Case and Slides: 383 Aluminum
- By-Pass Gear: 360 Brass
- Connections: Freemachining Steel 1020 Alloy
- Malleable Iron: Manufactured to ASTM A197 specifications.
- Bronze Alloy 83600
- Additional Coatings Zinc, Polyester, Galvanized
- O Rings: 70 Durometer Buna-N (Nitrile) per ASTM D2000.

FEATURES:

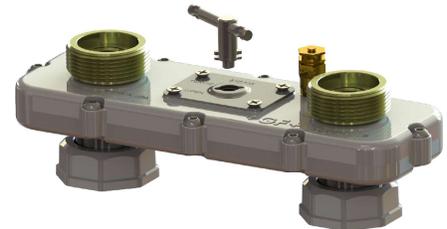
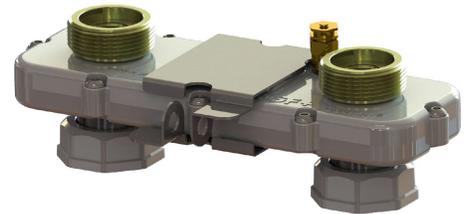
Provides a user friendly gas meter by-pass and purge solution. By-pass can be used on new or existing installations. Once installed, meters can be by-passed and serviced without gas supply interruption to the residence. Made in Shawnee, Oklahoma, USA meeting requirements for American Iron and Steel Act (AIS) and Buy American Act funded projects. 100% factory pressure tested.

OPTIONAL FEATURES:

Locking options; vertical and horizontal lock cover, special locking key and cover, and a test port can be added upon request. Options include a locking cap device or custom lock assembly and key for by-pass.

PRESSURE RATING:

Pressure tested at 2 psi. Low pressure is used to detect leaks below seal energizing levels. 10 psi maximum operating pressure for residential by-pass.



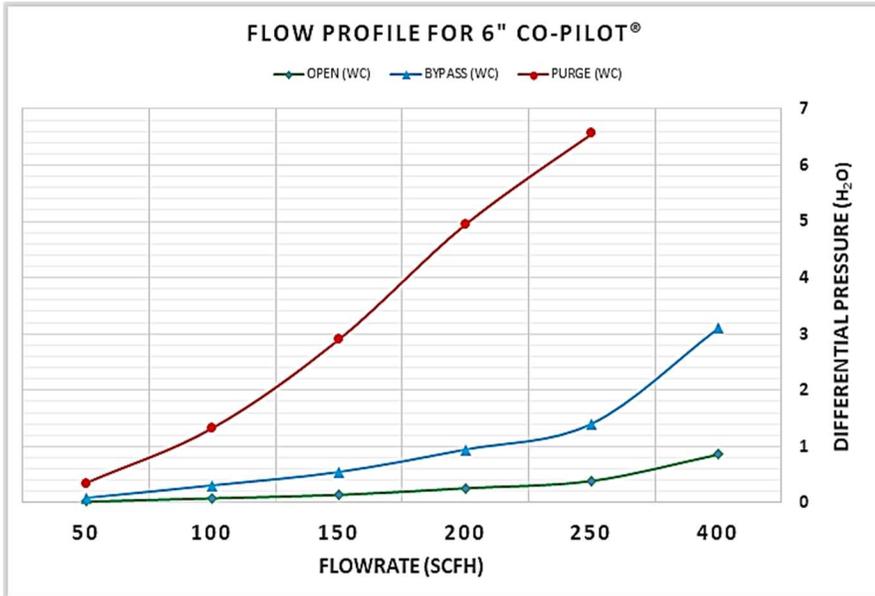
WORKING TEMPERATURE RANGE:

-30°F to 120°F

INSTALLATION:

All state, local, and federal safety/installation standards and codes should be observed. The installer assumes responsibility for assuring that this product is suitable for the intended applications.

FLOW CHARACTERISTICS:



Flow testing done with a residential meter set (20LT meter and regulator). 450k BTU burners, and Pilot lights.

END OF LIFE/DISPOSAL:

Metallic components are aluminum, bronze, brass, malleable iron, and steel and are 100% recyclable.