Important Notice - Read Carefully

Portable Bypass Kit

Portable Bypass Kit Instructions

Before Use
- Ensure all users have proper training with Portable Bypass Kit
- Inspect cylinder and kit completely before each use
  - Verify CNG cylinder has been inspected and hydrostatically tested within the last 5 years and properly marked per DOT and local requirements
  - Inspect fittings, regulators, gauges and hose for any signs of damage - replace if identified
  - Under pressure inspect water column gauge for accuracy with a manometer
- Follow all local instructions and codes for filling the CNG cylinder
- Do not Overfill the cylinder
- Store cylinder in truck or main center according to Utility and Local codes

Safety
- Read instructions before performing bypass service
- Check for stray voltage at the meter set
- Beware of sources of ignition and safety hazards when purging gas or checking pressure
- DO NOT perform operation in confined space
- DO NOT leave PBK unattended while in use
- Monitor gauges while in use to ensure pressure is maintained through bypass operation
- Internal damage can occur to CNG cylinder if left empty with valve open
- Do not exceed pressure rating of any component on PBK
- Follow all utility procedures and safety protocols during operation

Performing Bypass with PBK
- Ensure you have proper kit and fittings for performing the bypass operation
- Verify cylinder pressure is adequate for performing the task at hand per utility standards
- With valve in normal flow mode (Fig. A) remove bypass port plug from valve
- Thread NPT hex nipple (1/4" or 3/8") into bypass port hand tight (Fig. B)
- Loosely thread on swivel elbow connection
- Open 1/2" valve on hose to purge through loose connection before tightening swivel hand-tight (Fig. C)
- Turn bypass valve counter clockwise to bypass *position (Fig. D)
- The meter set is now in bypass mode and service can be performed on any component prior to inlet of bypass valve
- When service is complete and meter is purged per utility standards, slowly turn the valve clockwise back to normal flow mode (Fig. C)
- When complete, turn off 1/2" valve on the hose and loosen swivel connection (Fig. B)
- Remove the NPT hex nipple and replace bypass port plug tightly (Fig. A)
- Turn off main cylinder valve and roll up hose to store in kit
- Recommended to purge line / bleed hose

*Follow the standard bypass procedure for A.Y. McDonald Angle Gas Ball Valves according to instruction sheet 3210-389.