



The UMAC AutoCock™ Excess Flow® Valve is designed for installation under live gas condition, pressures up to 150 psig, in existing steel gas utility service lines or risers immediately upstream of the meter set. AutoCocks protect against unsafe conditions that result from damage to the exposed or aboveground portion of the service line.

When gas flow exceeds design limits the AutoCock automatically trips, affording the same protection and benefits as standard UMAC EFVs including:

- ▶ Saving time and money by reducing the number of emergency situations
- ▶ Turning emergency situations into routine service calls
- ▶ Safeguarding against unwarranted negative publicity and excessive liabilities that result from gas leak emergencies
- ▶ Increasing public confidence in gas
- ▶ Providing safe working conditions for gas utility personnel and first responders at the scene of a service line rupture
- ▶ EPA Natural Gas Star Program recommends the installation of EFVs to reduce methane emissions

#### Like Other UMAC EFVs AutoCocks:

- ▶ Meet or exceed DOT 192.381, MSS SP-115 ASTM F 1802 and ASTM F 2138 requirements
- ▶ Are 100% factory tested in accordance with DOT 192.381
- ▶ Are individually packaged with operating instructions and field identification tags
- ▶ Are lot coded with date and model number traceable back to all component parts
- ▶ Have Series identified by color coded directional flow arrows

#### Here's How They Are Installed

- 1) The meter set is removed from the service line.
- 2) A valve changing apparatus is used to change the meter shut-off valve to a full-port ball valve such as the Mueller® Centurion II™, if necessary.

- 3) The EFV and installation assembly are threaded onto the ball valve.
- 4) The ball valve is opened, the installation rod is inserted, and the EFV is expanded into the riser or service line.
- 5) The rod is withdrawn, the installation assembly removed and the original meter valve reinstalled if desired.
- 6) The meter set is reattached and service is restored to the customer.

\* For exact installation and recommissioning procedures follow instructions included with each valve.

#### Standard Equipment Includes:

- ▶ Air activated hydraulic pump with pressure gauge
- ▶ 10 foot hydraulic hose
- ▶ Hydraulic ram
- ▶ Three foot installation rod assembly
- ▶ Standard carrying box for pump, hose and ram .

#### Optional Equipment:

- ▶ Extended length rod assembly up to six feet
- ▶ Carrying case for ram, pull rod, pump, hose and EFVs
- ▶ Air pressure regulator with gauge and sleeve lock quick connects
- ▶ Extra hydraulic fluid

#### Sizing:

The following UMAC excess flow valves are available in AutoCock configuration:

**Series 300, Series 400, Series 700  
Series 1100, Series 1800, Series 2600**

Sizing is accomplished using the same methods as for standard excess flow valves.

NOTE: Excess flow valves are designed to limit the amount of gas that escapes in the event of a full line rupture. Proper sizing is necessary to allow the EFV to activate. Thread leaks, corrosion leaks, partial line breakage, or ruptures on the fuel gas or service line downstream of pressure regulation or line metering devices may not result in activation of the EFV.