AutoTrip®

Excess Flow Valve by OmegaFlex®

METER "LFD" SERIES EXCESS FLOW VALVES

For Branch Line and Meter Applications

Low Cost Protection for your Home and Family

It is now possible to protect your home from gas line rupture or disconnection by installing ***AutoTrip*** *Excess Flow Valves at the gas meter and on appliance branch lines. These valves are designed to activate and shut down gas flow to a non-hazardous level (bypass flow) to avoid the possibly dangerous release of gas into the home.*

Excess Flow Valves (EFV) are now required by some jurisdictions to protect against hazardous release of fuel gas due to a seismic event, accident or any other situation that could lead to a catastrophic failure of gas piping system components. Insurance companies have also recognized the protection afforded to the homeowners through the installation of these simple but effective safety valves.

AutoTrip *Excess Flow Valves are activated by the unrestricted flow of gas resulting from a gas line rupture. This flow causes the valve to trip (shut down). The bypass flow feature restricts the gas flow to a safe level upon valve activation. Bypass flow provides automatic reset capability once the downstream gas piping has been repaired.*

AutoTrip Benefits:

- *Seismic Safety.*
- *Shut off of gas to the home's piping system if it ruptures reducing the possibility of fire and explosion.*
- *Automatic reset utilizing the bypass flow feature when gas line is repaired.*
- *Adaptability to both propane or natural gas systems.*
- *Easy installation.*
- *A one time, affordable investment in safety.*
- *Home protection day and night.*
- *Insurance company recommended.*
- *Absence of false trips due to vibrations.*
- *Assurance of 100% factory testing.*

"LFD" Series Meter Valve
Intended for use with Fuel Gas
(Natural Gas, Propane and mixtures)

AutoTrip®

AutoTrip Excess Flow Valves

AutoTrip LFD series valves must be sized to suit the load requirements of the gas piping system. See Installation Instructions for complete details.

AUTOTRIP Meter/Branch Connector Excess Flow Valves Application Data

	EFV Type - Application	OmegaFlex AUTOTRIP P/N	Mounting Position	Inlet Thread Connection(s)	Outlet Thread Connection(s)	Typical Gas Load in SCFH (based on pressure drop of 0.5" w.c.)	Pressure Drop at Typical Load (inches w.c.)	Maximum Load Capacity (BTU/hr)	Nominal Closure Flow Rate (SCFH)
	Appliance Branch Line	FGP-LFD-70	Vertical Up ONLY	3/4" M-NPT & 1/2" F-NPT	3/4" M-NPT & 1/2" F-NPT	70	0.25	70,000	97
	Appliance Branch Line	FGP-LFD-125	Vertical Up ONLY	3/4" M-NPT & 1/2" F-NPT	3/4" M-NPT & 1/2" F-NPT	120	0.5	125,000	147
	Meter/Branch Line	FGP-LFD-275A	Vertical Up ONLY	3/4" M-NPT & 1/2" F-NPT	3/4" M-NPT & 1/2" F-NPT	125	0.48	275,000	335
	Meter/Branch Line	FGP-LFD-275B	Vertical Up ONLY	1" M-NPT & 3/4" F-NPT	1" M-NPT & 3/4" F-NPT	175	0.41	275,000	335
	Meter/Branch Line	FGP-LFD-375	Vertical Up ONLY	1" M-NPT & 3/4" F-NPT	1" M-NPT & 3/4" F-NPT	180	0.45	375,000	460
	Meter/Branch Line	FGP-LFD-500	Vertical Up ONLY	1/4" M-NPT & 1" F-NPT	1 1/4" M-NPT & 1" F-NPT	180	0.5	500,000	685

Notes:

1) *Flow Rates given for 0.60 Specific Gravity Natural Gas with an Average Heating Value of 1000 BTU /cubic foot.*
2) *To convert Maximum Load Capacity value to BTU/hr Propane (1.52 Specific Gravity, 2520 BTU/cubic foot), multiply Natural Gas Value by f11.583.*
3) *To convert SCFH Nominal Closure Flow Rate to SCFH Propane, Multiply Natural Gas Value above by 0.628.*
4) *Abbreviations: "w.c. = inches water column SCFH = Standard Cubic Feet per Hour*

WARNING: *AutoTrip LFD valves should only be installed by qualified professional plumbers. Failure to follow installation instructions properly may result in a gas leak and/or explosion*

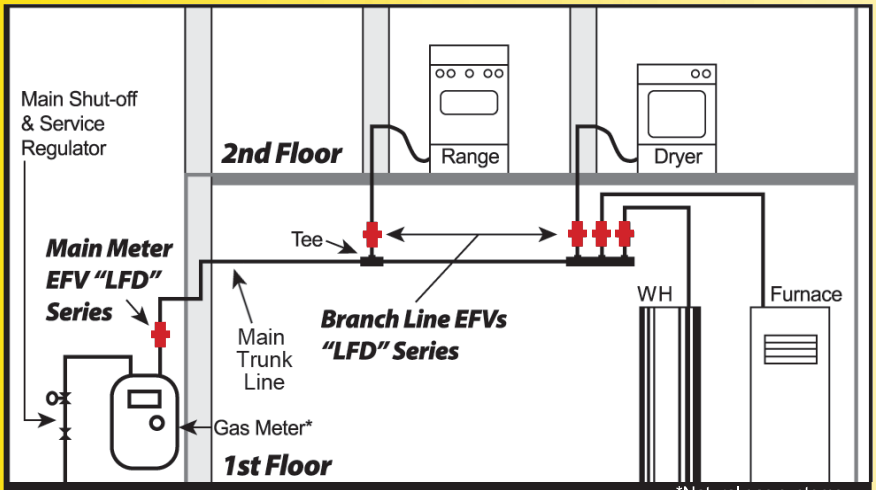

Figure 1 *Typical EFV Installation*

*Natural gas systems. Propane systems may not have a gas meter.

AutoTrip Meter (LFD) Excess Flow Valves are designed to be positioned after (downstream from) the gas meter. In this location, the valve is designed to protect against a catastrophic failure of the main trunk line. In order to protect the smaller downstream branch lines, the smaller LFD branch line valves (-70 and -125) may be positioned within a branch line serving one or more appliances. Excess Flow Valves are gravity dependent and must be installed in the vertical position (within 5 degrees).

Meter

NOTE: For information on the limitations and sizing of gas piping systems with excess flow valves, please refer to "Appendix C" of the TracPipe® CounterStrike® Design Guide and Installation Instructions.

OmegaFlex®

Omega Flex, Inc.

451 Creamery Way • Exton, PA 19341

1-800-671-8622 • *www.omegaflex.com*

ISO 9001 Registered Company

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