

AutoTrip[®]

Excess Flow Valve by OmegaFlex[®]

APPLIANCE "AFD SERIES" EXCESS FLOW VALVES For Flexible Appliance Connector Applications



AutoTrip Benefits:

- Seismic Safety
- Shut off of gas to individual appliance in case of flexible connector failure
- 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

It is now possible to protect your home from gas line rupture or disconnection by installing **AutoTrip** Excess Flow Valves in front of each appliance. 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 homeowner and his family 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.




**"AFD" Series Appliance Valve
intended for use with Fuel Gas
(Natural Gas, Propane and mixtures)**

AutoTrip®

AutoTrip Excess Flow Valves

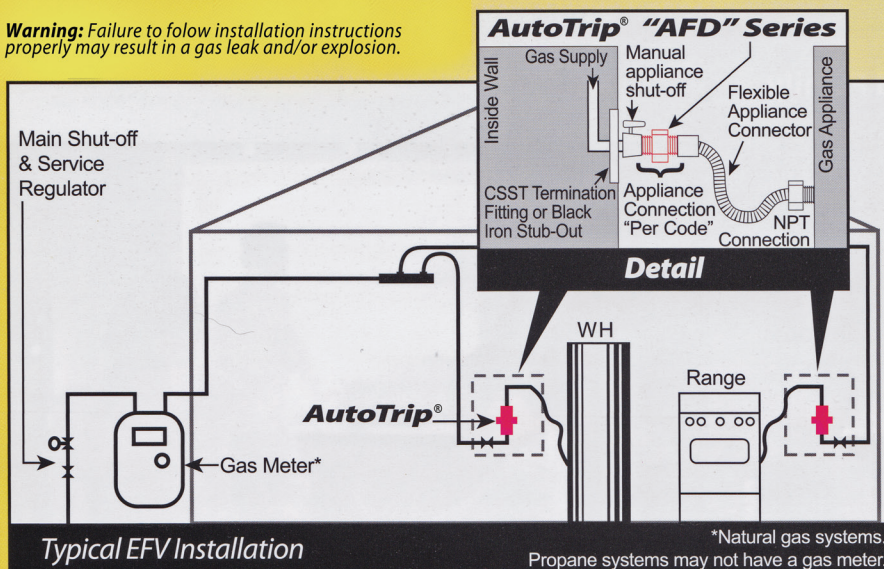
AutoTrip AFD series valves must be sized to suit the appliance application and gas piping system. See Installation Instructions for complete details.

AUTOTRIP Appliance Connector Excess Flow Valves					Application Data					
	EFV Type - Application	OmegaFlex AUTOTRIP P/N	Fits Nominal Appliance Connector ID Size	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 Connector	FGP-AFD-80	1/4"	Multipoise	1/2" M-NPT & 3/8" F-NPT	3/8" SAE Flare	75	0.5	80,000	110
	Appliance Connector	FGP-AFD-100A	3/8"	Multipoise	1/2" M-NPT & 3/8" F-NPT	1/2" SAE Flare	100	0.42	100,000	175
	Appliance Connector	FGP-AFD-130A	1/2"	Multipoise	1/2" M-NPT & 3/8" F-NPT	5/8" SAE Flare	125	0.47	130,000	200
	Appliance Connector	FGP-AFD-130B	1/2"	Multipoise	3/4" M-NPT & 1/2" F-NPT	5/8" SAE Flare	130	0.5	130,000	200

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 1.583
- 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: Failure to follow installation instructions properly may result in a gas leak and/or explosion.



AutoTrip Appliance Connector (AFD) Excess Flow Valves are designed to be positioned ahead of (upstream from) the flexible appliance connector. Full protection requires one EFV for each appliance branch line. AutoTrip Appliance Connector EFVs utilize a spring activated float valve and are not gravity dependent. This permits their mounting in any position horizontally or vertically (multipoise).



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®

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