

# BrassCraft®

## Safety+PLUS®

PATENTED EXCESS FLOW TECHNOLOGY

- Safety+PLUS®  
Excess Flow Valves
- Safety+PLUS®  
Coated Stainless Steel  
Gas Connectors



A Safer Solution For Residential Gas Connections



# Engineered Safety, BrassCraft Mfg. Quality.

## Automatic Protection for Home and Family

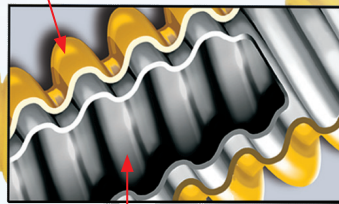
Safety+PLUS excess flow valves and connectors incorporate state-of-the-art magnetic technology with precision engineering for an advanced solution to home and family protection against gas-related fires and explosions.

In the event of a gas line rupture or disconnect, the Safety+PLUS valve automatically activates to restrict gas flow at the appliance. This immediate action helps avert the potential for a hazardous buildup of gas in the home. Gas flow is controlled at the appliance where the rupture occurred; the rest of the home's system will continue to function.



And best of all, the valve will remain activated until the gas line is properly repaired. Once repaired, the Safety+PLUS valve automatically resets to restore normal gas flow to the appliance.

*ProCoat® coating is baked on for unequalled corrosion resistance*



*Each connector is made of high-tensile strength stainless steel*

## The Safety+PLUS Advantage

Safety+PLUS gas connectors combine excess flow technology with the advanced corrosion resistance of the ProCoat polymer coating, to provide a safer connector for your home, family and community. Engineered and manufactured for added safety, the ProCoat coating is baked directly onto the connector surface for uniform protection over the entire length of its stainless steel core.

The coating effectively protects the connector from prolonged exposure to harsh household chemicals that can cause deterioration and pinhole leaks. Approved for outdoor and indoor use, the ProCoat coating also helps protect against the harsh effects of UV rays and salt.

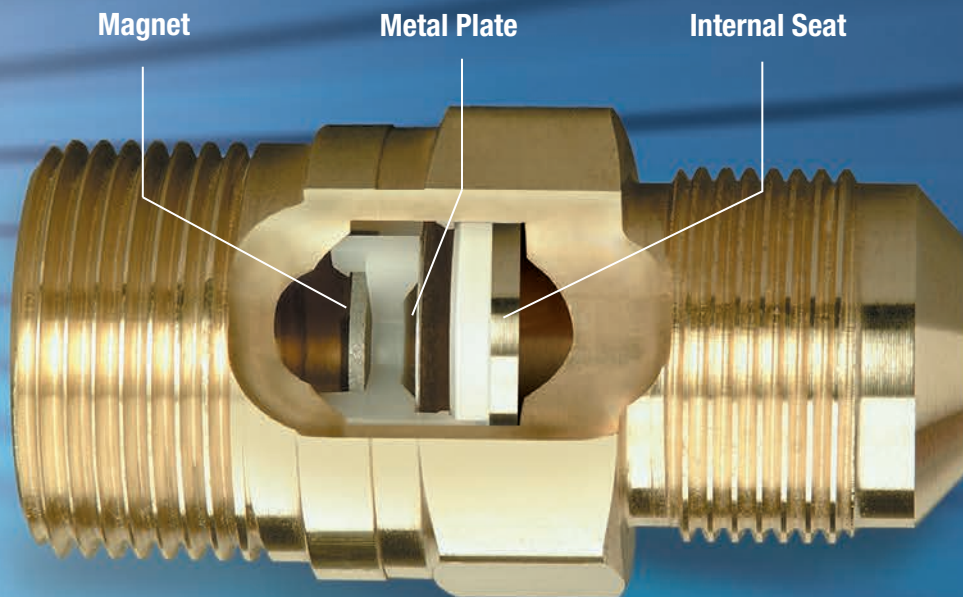


- **Automatic Valve Activation**  
Helps avert a hazardous build-up of gas in the home.
- **Automatic Reset**  
Automatically resumes gas flow once the gas line is properly repaired.
- **Multi-Application Compatible**  
Designed to work effectively with BrassCraft® gas connectors for gas ranges, furnaces, boilers, water heaters, dryers, space heaters, and gas log fireplaces. See back cover for EFV sizing requirements.
- **Easy to Install**  
Installs just like a standard gas fitting. No special tools are required to install.
- **100% Performance Tested**

# The Inside Story on Automatic Gas Safety

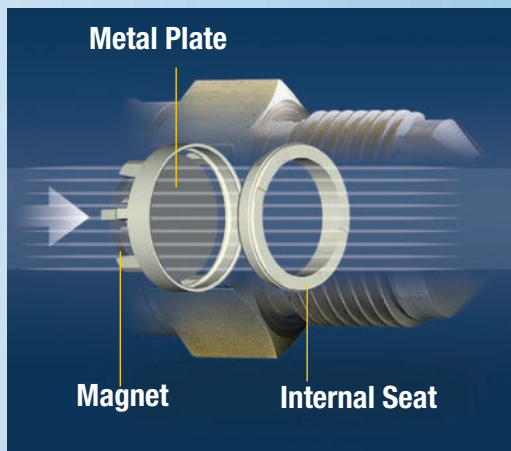
The Safety+PLUS valve's patented magnet-based technology offers distinct advantages over spring-actuated devices.

- Employs no parts that can wear, break or misalign over time.
- Magnets suffer no memory loss due to metal fatigue.
- Valve activation is not gravity dependent, so it can be installed in either a horizontal or vertical position.



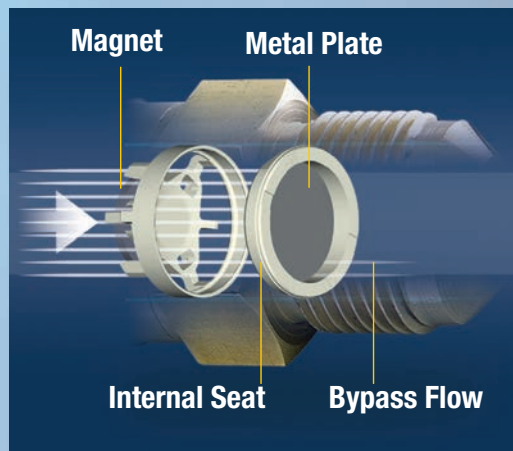
## How it Works

### Standard – OPEN



In standard operating conditions, the magnet holds the metal plate in place, allowing gas to flow to the appliance.

### Gas Rupture – ACTIVATED



A gas line rupture produces an unrestricted gas flow through the valve, forcing the plate away from the magnet. The plate seals firmly against the seat, immediately restricting gas flow to avert a hazardous release of gas into the home.

### Automatic Reset

Activation of the Safety+PLUS valve restricts gas flow to less than 5 SCFH; the bypass flow. This non-hazardous bypass is used to re-pressurize the repaired gas line, and automatically reset the valve, resuming normal gas flow to the appliance.

It is important to properly size the Safety+PLUS valve for the appliance application and piping system. See installation instructions for complete details (available at [www.brasscraft.com](http://www.brasscraft.com))  
For gas connector SKU list, see the BrassCraft® Gas Appliance and Water Heater Connectors catalog.

	Part No.	Inlet	Outlet	Minimum Flow Capacity	Maximum Flow Capacity	Closing Flow Rate
<b>3/8" OD FLARE (SERIES 1540) - USE WITH LOW DEMAND APPLIANCES</b>						
	EU2-6-8 P	1/2" MIP (tapped 3/8" FIP)	3/8" OD Flare	----	48,000 Btu/h	95,000 Btu/h
	EU2-6-12 P	3/4" MIP (tapped 1/2" FIP)	3/8" OD Flare	----	48,000 Btu/h	95,000 Btu/h
	EU4-6-8 P	3/8" Female Flare (1/2" MIP)	3/8" OD Flare	----	48,000 Btu/h	95,000 Btu/h
<b>1/2" OD FLARE (SERIES 1540) - USE WITH LOW TO MODERATE DEMAND APPLIANCES</b>						
	EU2-8L P	1/2" MIP (tapped 3/8" FIP)	1/2" OD Flare	----	60,500 Btu/h	95,000 Btu/h
	EU2-8-12L P	3/4" MIP (tapped 1/2" FIP)	1/2" OD Flare	----	60,500 Btu/h	95,000 Btu/h
	EU4-8L P	3/8" Female Flare (1/2" MIP)	1/2" OD Flare	----	60,500 Btu/h	95,000 Btu/h
	EU4-8-12L P	1/2" Female Flare (3/4" MIP)	1/2" OD Flare	----	60,500 Btu/h	95,000 Btu/h
<b>1/2" OD FLARE (SERIES 1550) - USE WITH MODERATE TO LARGE DEMAND APPLIANCES</b>						
	EU2-8 P	1/2" MIP	1/2" OD Flare	60,501 Btu/h	102,000 Btu/h	135,000 Btu/h*
	EU2-8-12 P	3/4" MIP (tapped 1/2" FIP)	1/2" OD Flare	60,501 Btu/h	102,000 Btu/h	135,000 Btu/h*
	EU1-8-12 P	3/4" FIP	1/2" OD Flare	60,501 Btu/h	102,000 Btu/h	135,000 Btu/h*
<b>5/8" OD FLARE [15/16-16 THREAD] (SERIES 1550) - USE WITH MODERATE TO LARGE DEMAND APPLIANCES</b>						
	MEU2-10-12L P	3/4" MIP (tapped 1/2" FIP)	5/8" OD Flare	60,501 Btu/h	102,000 Btu/h	135,000 Btu/h*
	MEU1-10-12L P	3/4" FIP	5/8" OD Flare	60,501 Btu/h	102,000 Btu/h	135,000 Btu/h*
	MEU5-10L P	5/8" Female Flare	5/8" OD Flare	60,501 Btu/h	102,000 Btu/h	135,000 Btu/h*
<b>5/8" OD FLARE [15/16-16 THREAD] (SERIES 1560) - USE WITH LARGE DEMAND APPLIANCES</b>						
	MEU2-10-8 P	1/2" MIP	5/8" OD Flare	75,000 Btu/h	135,000 Btu/h	195,000 Btu/h
	MEU2-10-12 P	3/4" MIP (tapped 1/2" FIP)	5/8" OD Flare	75,000 Btu/h	135,000 Btu/h	195,000 Btu/h
	MEU1-10-12 P	3/4" FIP	5/8" OD Flare	75,000 Btu/h	135,000 Btu/h	195,000 Btu/h
	MEU5-10 P	5/8" Female Flare	5/8" OD Flare	75,000 Btu/h	135,000 Btu/h	195,000 Btu/h

**NOTE:** All devices require a minimum inlet pressure of 4" W.C. and maximum inlet pressure of 14" W.C. (1/2 psig.). Maximum bypass flow rate is 5 SCFH (standard cubic feet per hour).  
\*When the excess flow valve is installed in the vertical downward position (flow arrows pointing toward the floor), the closing flow rate is 110,000 Btu/h.

**Committed to Quality, Driven by Innovation.**

EFV Only:



**BrassCraft**®



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