BrassCraft®

Safety+PLUS®

Excess Flow Valve

THE AUTOMATIC SAFETY VALVE FOR GAS

A Commitment to Safety

For a safer solution for gas appliance connections,

BrassCraft offers the Safety+PLUS® excess flow valve, an automatic safety valve for gas. The patented excess flow design incorporates state-of-the-art magnetic technologies with precision engineering to provide the most advanced, yet affordable excess flow valve available on the market today.

Automatic protection for home and family.

In the event of a gas line rupture or disconnect, the Safety+PLUS valve restricts gas flow at the appliance to a non-hazardous level (bypass flow). This immediate action helps avert the potential for a dangerous release of gas into the home. Gas flow is controlled at the appliance where the problem occurred; the rest of the home's system will continue to function. Best of all, only once the gas line is properly repaired, the Safety+PLUS valve automatically resets, resuming gas flow to the appliance.

The Safety+PLUS Advantage.

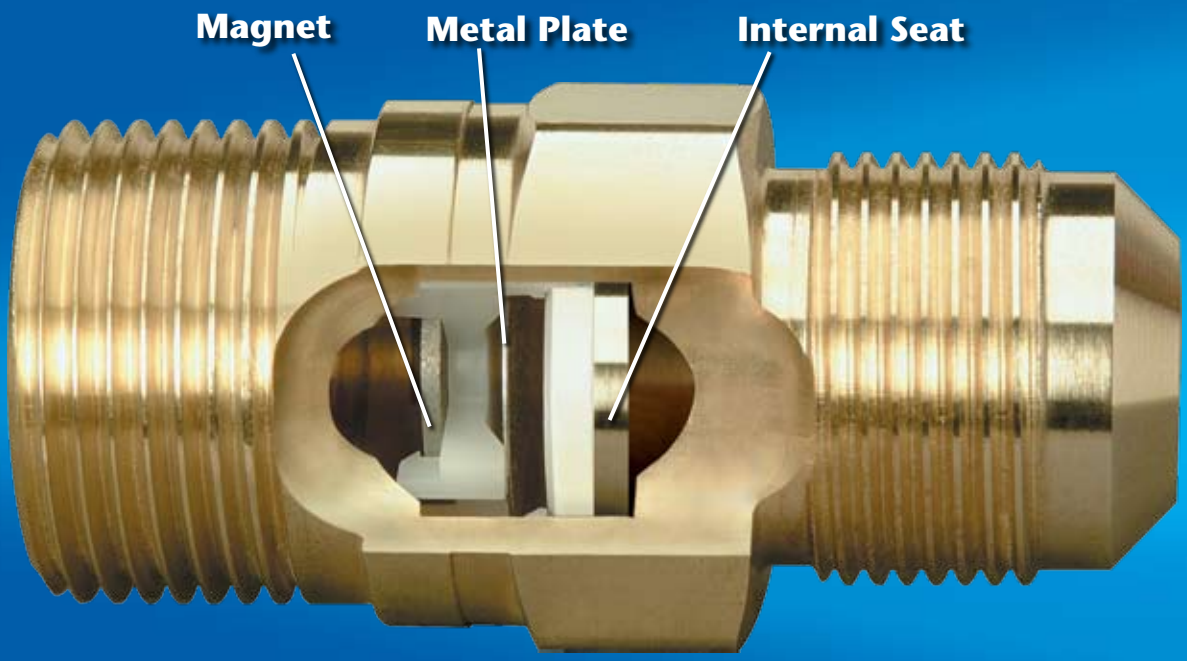
Safety+PLUS ADVANTAGE® gas connectors combine excess flow technology with the advanced corrosion resistance of ProCoat®, to provide a safer gas connector for home and family. ProCoat, a polymer-based coating, resists corrosion from harsh chemicals found in household cleaning, plumbing repair and masonry products, protecting the stainless steel core from deterioration and pinhole leaks. Approved for indoor and outdoor use, ProCoat gas connectors resist the destructive effects of prolonged exposure to UV rays and salt.

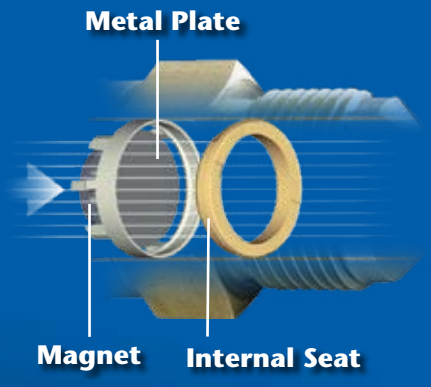
- ***Automatic Reset***
  Only once the gas line is properly repaired, the Safety+PLUS valve automatically resets, resuming gas flow to the appliance.
- ***Multi-Application Compatible***
  Safety+PLUS valves are designed to work effectively with BrassCraft gas connectors to hook up gas ranges, furnaces, boilers, water heaters, dryers, space heaters and gas log fireplaces. See back cover for EFV sizing requirements.
- ***Easy to Install***
  Safety+PLUS valves install just like a standard gas fitting; hence, no additional tools are required for installation.
- ***100% Performance Tested***
  Safety+PLUS valves are 100% factory performance tested.
- ***CSA Design-Certified***

The Safety+PLUS ADVANTAGE® gas connector

Advanced Technology

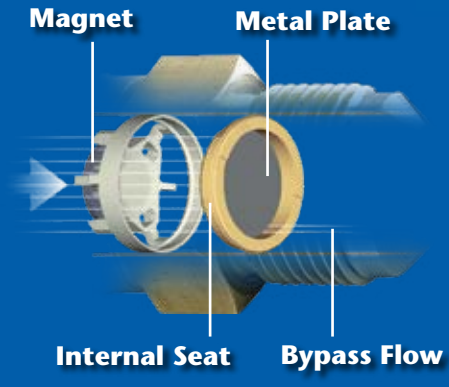
The Safety+PLUS valve features a patented magnet-based technology that, during the product's life cycle, offers distinct advantages over spring-actuated devices. Magnetic technology employs no parts that can wear, break or misalign over time. Magnets suffer no memory loss due to metal fatigue thus providing 24 hour, maintenance-free protection. Further, the Safety+PLUS valve is not gravity dependent and can be installed in either position – horizontal or vertical.





OPEN

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



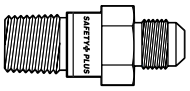
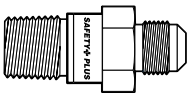
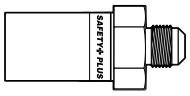
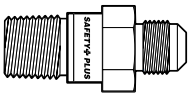
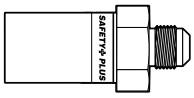
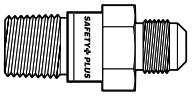
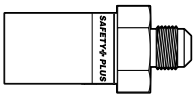
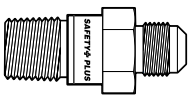
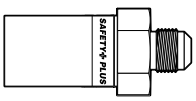
ACTIVATED

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 the potential of 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 repressurize the repaired gas line, and automatically reset the valve, this resumes 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)

	Part No.	Inlet	Outlet	Minimum Flow Capacity	Maximum Flow Capacity	Closing Flow Rate
3/8"OD Flare (Series 1540) - Use With Low Demand Appliances						
	EU2-6	3/8"MIP	3/8"OD Flare	----	48,000 Btu/h	95,000 Btu/h
	EU2-6-8	1/2"MIP (3/8" FIP)	3/8"OD Flare	----	48,000 Btu/h	95,000 Btu/h
	EU2-6-12	3/4"MIP (1/2" FIP)	3/8"OD Flare	----	48,000 Btu/h	95,000 Btu/h
	EU4-6-8	3/8"Female Flare (1/2"MIP)	3/8"OD Flare	----	48,000 Btu/h	95,000 Btu/h
	EU4-6-12	1/2"Female Flare (3/4"MIP)	3/8"OD Flare	----	48,000 Btu/h	95,000 Btu/h
1/2"OD Flare (Series 1540) - Use With Low to Moderate Demand Appliances						
	EU2-8L	1/2"MIP	1/2"OD Flare	----	60,500 Btu/h	95,000 Btu/h
	EU2-8-12L	3/4"MIP (tapped 1/2"FIP)	1/2"OD Flare	----	60,500 Btu/h	95,000 Btu/h
	EU4-8L	3/8"Female Flare (1/2"MIP)	1/2"OD Flare	----	60,500 Btu/h	95,000 Btu/h
	EU4-8-12L	1/2"Female Flare (3/4"MIP)	1/2"OD Flare	----	60,500 Btu/h	95,000 Btu/h
	EU1-8-12L	3/4"FIP	1/2"OD Flare	----	60,500 Btu/h	95,000 Btu/h
1/2"OD Flare (Series 1550) - Use With Moderate to Large Demand Appliances						
	EU2-8	1/2"MIP	1/2"OD Flare	60,501 Btu/h	102,000 Btu/h	135,000 Btu/h*
	EU2-8-12	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	3/4"FIP	1/2"OD Flare	60,501 Btu/h	102,000 Btu/h	135,000 Btu/h*
5/8"OD Flare [15/16 -16 Thread] (Series 1550) - Use With Moderate to Large Demand Appliances						
	MEU2-10-12L	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	3/4"FIP	5/8"OD Flare	60,501 Btu/h	102,000 Btu/h	135,000 Btu/h*
	MEU5-10L	5/8"Female Flare	5/8"OD Flare	60,501 Btu/h	102,000 Btu/h	135,000 Btu/h*
5/8"OD Flare [15/16 -16 Thread] (Series 1560) - Use With Large Demand Appliances						
	MEU2-10-8	1/2"MIP	5/8"OD Flare	75,000 Btu/h	135,000 Btu/h	195,000 Btu/h
	MEU2-10-12	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	3/4"FIP	5/8"OD Flare	75,000 Btu/h	135,000 Btu/h	195,000 Btu/h
	MEU5-10	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.

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