

PRODUCT SPECIFICATIONS

Safety+PLUS® Meter Excess Flow Valve



PRODUCT USE:

Residential and commercial meter applications and large demand appliances (180,000 Btu/hr or more) not subject to frequent movement that are fueled by natural, manufactured, mixed, liquefied-petroleum gases and LP gas-air mixtures.

INSTALLATION REQUIREMENT:

Licensed Professional Installation Only! Must be installed within 5 degrees of vertical. See installation instructions for complete details.

OPERATING PRESSURE:

Rated to standard line pressures up to 2 psig (pounds per square inch) maximum

OPERATING TEMPERATURE:

CSA-approved for indoor and outdoor use. Temperature range from -20°F to 150°F.

FLOW REQUIREMENTS:

Maximum Bypass Flow - 3 SCFH (standard cubic feet per hour) at 7" water column pressure drop

Maximum Flow Capacities –

Part No.	Maximum Demand Load	Closing Flow Rate*
EP12-A	275 KBTU/Hr	300 KBTU/Hr
EP16-A	275 KBTU/Hr	300 KBTU/Hr
EP16-B	375 KBTU/Hr	400 KBTU/Hr
EP16-D	495 KBTU/Hr	600 KBTU/Hr

*CSA-US 3-92 requirement specifies the valve to close at a flow between +10% to -20% of rated value

MATERIAL SPECIFICATIONS:

- Housing - ASTM A53 galvanized steel
- Capsule Body - POM
- Pin - ASTM A53 galvanized steel
- Float - POM
- Flow Label - Vinyl with over-laminate

DESIGN-CERTIFIED AND MANUFACTURED IN ACCORDANCE WITH:

- CSA-US 3.92 Canadian Standards Association requirement for "EXCESS FLOW VALVES"
- ASTM F2138-01 American Society for Testing and Materials standard for "EXCESS FLOW VALVES FOR NATURAL GAS SERVICE"

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MSS SP-115-1999

Manufacturer's Standardization Society standard for "EXCESS FLOW VALVES FOR NATURAL GAS SERVICE"

LISTINGS:

State of California – State Architect



Made in the
USA

Safety+PLUS® meter excess flow valve shall be constructed of ASTM A53 galvanized steel with performance attributes as noted above.

- EP12-A** 3/4" Male Iron Pipe, both ends x 4" Length, Closing Flow 300 KBTU/Hr
- EP16-A** 1" Male Iron Pipe, both ends x 4" Length, Closing Flow 300 KBTU/Hr
- EP16-B** 1" Male Iron Pipe, both ends x 4" Length, Closing Flow 400 KBTU/Hr
- EP16-D** 1" Male Iron Pipe, both ends x 4" Length, Closing Flow 600 KBTU/Hr



Flow rates given are for 0.6 specific gravity natural gas with an average heating value of 1,000 BTU per cubic foot; therefore, 1,000 BTU/Hr is equal to 1 SCFH (standard cubic foot per hour). **It is important to properly size the Safety+PLUS valve for the appliance application and piping system. See installation instructions (available at www.brasscraft.com) for complete details.