

ASCO™ Series 158/159

Best-in-class Safety Shut-Off & Pressure Regulator in One Unit

A compact, multifunctional solution combining gas safety shut-off and pressure regulation in a single unit—ideal for compact, high-performance burner gas trains.



Best performance level of the market:

- Broadest pressure range
- Highest close-off pressure
- Highest flow factor
- Broadest temperature range



Easy to Install and Set - "Set & forget"

- High modularity of the valve & actuator
- Easy installation on the gas pipe
- User friendly and protected setting interface

ASCO™


EMERSON™

Safety Shut-Off & Pressure Regulator in one unit

Performance & Cost Efficiency

Multifunctional Design

- Only product to combines shut-off and pressure regulation up to 1.7 bar / 25 PSI and DN80 / 3".
- May eliminate the need for upstream regulators.

High Close-Off Pressure

- 2.1 bar / 30 PSI (double valve), 3.4 bar / 50 PSI (large single), 5.2 bar / 75 PSI smaller single valve 3/4" - 2".
- Can serve as overpressure protection depending on standard followed.

Superior Flow Factor

- Highest Cv / Kv on the market —minimizes pressure drop, enables pipe downsizing.

Robust Construction

- Operates in extreme temperatures: -40°C to +66°C / -40°F to +150°F
- No need for additional heater in cold climates.
- Optional watertight configuration build for outdoor use.



Installation & Usability

Modular Configuration

- One actuator fits multiple pressure ranges and valve sizes.
- Two valve sizes cover seven pipe diameters from 3/4" (DN20) to 3" (DN80)
- Possibility to pair single valve + actuator to solenoid valves

Flexible Mounting

- Install in various position—even head-down.
- No gas tubing to actuator required.

User-Friendly Interface – Set & Forget!

- Two rotary dials set pressure as % of sensor range (1–99%).
- Easy to pre-set & duplicate.

Protected Pressure Settings

- Setpoint changes require physical cover removal and button pressing procedure.



For more information:

Product Webpage

How-to-set Animation



Asco™ www.Emerson.com/Combustion

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