

ASCO™ Series 209

Direct Acting Proportional Flow Control Valves

Applications

- Food Equipment
- Professional Coffee Machines
- Dental Equipment
- Compact Hydrogen Applications
- Temperature Control Applications



Features & Benefits

Best-in-class Performance and Pressure Ratings

- Maximum operating pressure differential capability of up-to 16 bar
- Minimum operating pressure is not required, which makes the valves well-suited for vacuum
- Low hysteresis ($\leq 5\%$), excellent repeatability ($\leq 1\%$), and high sensitivity ($\leq 0.2\%$) make the valves ideal for high-precision flow control
- Optimal system performance and efficiency with low power consumption and short response time of ≤ 15 ms
- Flow (Kv) from 0.020 m³/h to 0.264 m³/h

Compact Footprint and Improved Internal Design

- Compact architecture saves valuable space in complex machineries and equipment
- Incorporation of flat spring allows the valve to operate at extremely low noise levels making it highly desirable for indoor equipment

- High versatility with ability to handle both gas and liquid media
- Internal constructions are designed to operate nearly friction free

Certifications, Approvals, and Directives met

- UL429
- EN60335

Optional Features

- Rotated coil by 90°, 180°, and 270° in the clockwise direction with respect to the standard coil orientation
- Leaded coil option available with 20 mm actuator
- Spade plug connector available to order with the valve
- NPT thread connection available with all versions of the proportional valve
- Option to get parts cleaned for oxygen service
- FDA approved elastomers and elastomers free of silicone

Specifications

Product Family	Body Material	End Connection	Pipe Sizes	Flow Factor Kv	MOPD Air bar	Wattage Hot/Cold	Electrical Connections
Series 209 20 mm Actuator	Brass and Stainless Steel	G-Thread, NPT Thread, Pad Mount	1/8" and Pad Mount	0.020 to 0.078.1 m ³ /h	4.5 to 10	5.3 / 4 W	DIN type, Flying Leads
Series 209 32 mm Actuator	Brass and Stainless Steel	G-Thread, NPT Thread	1/8" and 1/4"	0.020 to 0.264 m ³ /h	4 to 16	10.6 / 8 W	DIN type

Coil Insulation Class	H
Electrical Enclosure Protection	Moulded IP65 (EN 60529)
Operator Ambient Temperature Range (°C)	0 to +55
Standard Voltages	12V/DC ; 24V/DC

For more information:
Emerson.com/ASCO