

# ASCO™ Series 209

New & Improved Proportional Flow Control Solenoid Valve

# Features & Benefits



## Improved Performance

+30% MOPD\*

Hysteresis  $\leq 5\%$ ; Sensitivity  $\leq 0.2\%$ ;  
Repeatability  $< 1\%$



## Smaller Footprint

-10% Overall Dimensions\*

90° & 180° Rotatable Coil



## Optimized Efficiency

15% Lesser Power Consumption\*

Shorter response time



## Improved Internal Design

Noiseless Operation  
Low internal friction  
One design for gas and liquids

## New benchmark in Proportional Technology

- Improved Performance and Efficiency with combination of **flat spring** and **rider ring technology**.
- Improved pressure, flow and accuracy capabilities.
- Maximum differential pressure capabilities of **16 bar**.
- Multiple variants available:
  - 20 mm coil with 1/8" connection
  - 20 mm coil with pad mount connection
  - 32 mm coil with 1/8" connection
  - 32 mm coil with 1/4" connection

# Variety of Options and Added Benefits

**UL Listed Coil and Moulded IP65 Electrical Enclosure Protection**

Option to order coils rotated by **90°** and **180°**.

**FDA approved** Elastomers and Elastomers **free of silicone**.



Response Time  **$\leq 15$  ms**

Option to get parts cleaned for **oxygen service**

**Leaded Coil** option available with 20 mm actuator.

# Main Features & Options

## 20 mm Actuator

### Main Features:

- 2 Way Normally Closed
- 1/8" G Thread, NPT, and Pad Mount
- Brass and Stainless Steel 303 Body
- FPM and EPDM Sealing Material
- MOPD from 4.5 to 10 bar.
- Kv from 0.020 to 0.078 m<sup>3</sup>/h.
- Ambient Temperature Range of -10°C to +55°C.



## 32 mm Actuator

### Main Features:

- 2 Way Normally Closed
- 1/8" and 1/4" G Thread and NPT Connection
- Brass and Stainless Steel 303 Body
- FPM and EPDM Sealing Material
- MOPD from 4 to 16 bar.
- Kv from 0.020 to 0.264 m<sup>3</sup>/h.
- Ambient Temperature Range of -10°C to +55°C.



# Third Party Approvals



- ✓ UL Recognized Coils
- ✓ CE and UKCA Directives
- ✓ Moulded IP65 Enclosure
- ✓ FDA Approved Elastomers



**ASCO™ Series 209 is compliant with Global Industrial Standards**

# Highly Flexible for Variety of Applications

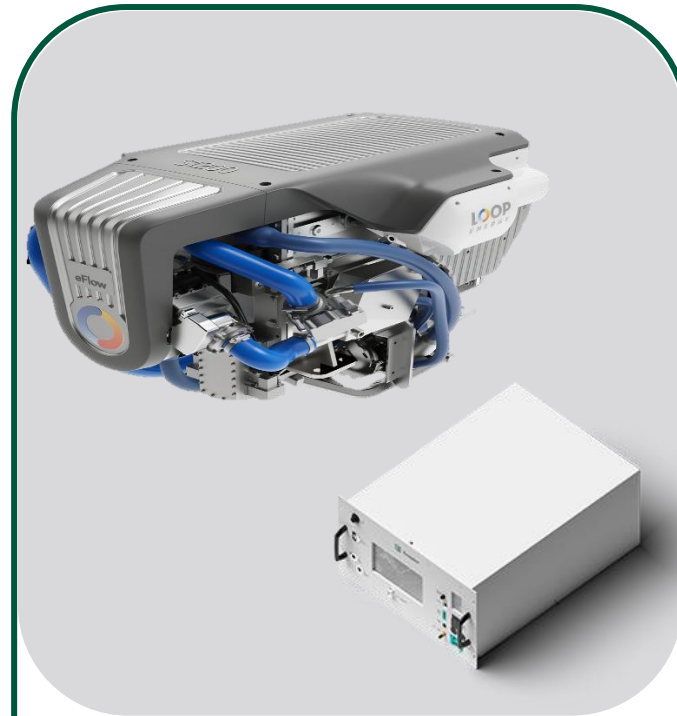


## Food Equipment

Professional Coffee Machines

Horeka Coffee Machines

Milk Foaming in Traditional Espresso Machines



## Alternative Energy

Hydrogen Fuel Cells

Automotive Hydrogen Based Applications



## Dental Equipment

Waste-Water Control

Air Speed Control Tools

Dental Chairs



## Temperature Control

HVAC

Industrial Machinery

Industrial Printing Machines

Lubrication Systems

# Codification & Delivery Information

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# Codification

**G**   **209**   **A**   **1**   **0**   **1**   **S0**   **X00**   **H1**

**Connection Type**

- G** G-Thread
- 8** NPT Thread
- R** Pad Mount

**Product Series**

**209**

**Revision**

- A** Initial Release

**Coil width & Pipe size**

- 1** 20 mm, 1/8"
- 2** 20 mm, Pad Mount
- 3** 32 mm, 1/8"
- 4** 32 mm, 1/4"

**Body Material & Sealing**

- 0** Brass with FPM
- 2** Brass with EPDM
- 3** SS with FPM
- 4** SS with EPDM

**Voltage**

- H1** 24 V DC Class H
- H3** 12 V DC Class H

**Options**

- X00** Standard Coil Orientation
- X01** Coil rotated 90° clockwise
- X02** Coil rotated 180° clockwise
- X03** Coil rotated 270° clockwise
- X04** Parts cleaned for oxygen service
- X05** Elastomers free of Silicone
- X06** FDA Conform elastomers

**Valve Orifice Size**

- 1** 0.8 mm
- 3** 1.2 mm
- 4** 1.6 mm
- 5** 2 mm
- 7** 3 mm
- 8** 4 mm

**Electrical Connection Type**

- S0** DIN coil w/o connector
- S1** DIN coil with connector
- L0** Leaded wire coil



# Delivery Information



## 20 mm Operator



### 6 Items ESD

- G209A103S0X00H1
- G209A104S0X00H1
- G209A105S0X00H1
- G209A113S0X00H1
- G209A114S0X00H1
- G209A115S0X00H1

### 10 Items EFS



## 32 mm Operator



### 4 Items ESD

- G209A303S0X00H1
- G209A304S0X00H1
- G209A305S0X00H1
- G209A405S0X00H1

### 19 Items EFS

Other Versions will be available in 20 days as **Make To Order**



**EMERSON™**

**Go Boldly™**