



# Motorized 290 Series

2 Way • Stainless Steel Body

## Applications

- Water Treatment
- Irrigation
- Autoclaves / Sterilizers
- Wine Industry

## Features & Benefits

- **Reliable and Robust**
  - Same long life and reliability as the air-operated 290 Series valves
  - Rugged 316L Stainless Steel body
  - Angled seat design provides high flow
  - Anti-water hammer design with fluid entry under the disc reduces the risk of pipe damage
  - IP65 enclosure allows valve to be used outdoors
  - Handles a wide range of fluids including viscous media up to 2700 SSU
  - NBR seals and disc provide tight shutoff
  - RoHS 2 compliant
  - Ideal for use in “Lead Free” applications
- **Cost Savings**
  - Actuator automatically initializes when power first applied for quick & easy start-up
  - Plug-in electrical connector and adaptor (AC version) saves installation time and cost
- **Fast Response Time**
  - Less than 1.3 sec. to open and again to close, significantly quicker than electric quarter-turn ball valves
  - Shorter cycle provides more responsive control which yields increased throughput and higher quality end product
- **PLC Integration**
  - Compatible with standard I/O 24VDC
  - Easily connects to fieldbus networks
- **Energy Savings**
  - No electrical consumption when valve is at rest
  - Consumes only 12W during opening/closing
  - Eliminates the need for an external air supply
- **360° LED Position Indication**
  - LEDs allow users to easily identify valve position and status



## Specifications

Series	Pipe Sizes (in)	Operating Pressure Differential (psi)		Max. Fluid Temp. °F (°C)	Max. Ambient Temp. °F (°C)	Sealing Material	Voltage Range		
		Min.	Max.				24V (DC)	110 to 250V (50-60 Hz)	24 to 48V (50-60 Hz)
Motorized 290 2-Way, Normally Closed	3/8"	0	87	194 (90)	122 (50)	NBR	24V (DC)	110 to 250V (50-60 Hz)	24 to 48V (50-60 Hz)
	1/2"	0	72						
	3/4"	0	58						



**EMERSON**  
Industrial Automation