

NV Electric Actuators with 24000 Series Control Valves



Designed for Industrial HVAC Applications
Requiring Precise Temperature and Humidity Control

BAUMANN

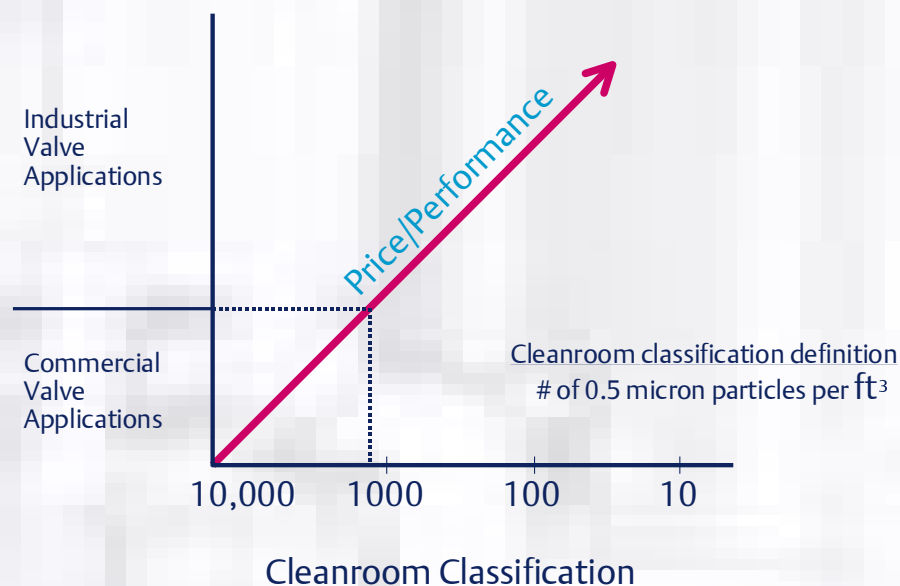

EMERSON
Process Management

WHAT IS AN INDUSTRIAL HVAC CONTROL VALVE ASSEMBLY ?

Industrial control valves are used when critical environmental parameters must be maintained to support a process within a controlled environment (e.g. cleanroom climate control).

WHAT ARE THE OBJECTIVES OF INDUSTRIAL CONTROL ?

- Reduced Total Cost through:
 - Improved environmental control
 - Reduced process variability
 - Improved reliability
 - Reduced energy usage
 - Reduced space and weight



WHAT ARE THE PROCESS AREAS REQUIRING INDUSTRIAL HVAC ?

- Semiconductor
- Film Processing
- Pharmaceutical
- Biotech
- Food & Beverage
- Aerospace
- Laboratories and Vivariums

For temperature and humidity control for HVAC (hot and chilled water, steam, glycol, etc...), semiconductor manufacturing (cleanrooms, make up air handlers, recirculation air handlers, humidification, chillers, jackets, and glycol systems) and for many more industrial environments (textiles, food & beverage, and tire manufacturing).

A WINNING COMBINATION!

The NV/24000 assembly combines Baumann's control valve expertise with state of the art electric actuator technology.

ACTUATOR

- Standard in the HVAC and Semiconductor industries.
- Multifunction technology includes standard autocalibration, input signal, and three different failure modes.
- Compact and lightweight design.
- Rugged epoxy coated ductile iron yoke with visible valve travel indication.
- Polycarbon ABS actuator housing, meets UL94-5V flammability rating and NEMA 2 / IP54 with cable entry down.
- Ease of motor assembly replacement minimizes downtime and service cost.

VALVE - PACKING SYSTEM

- Multiple teflon split rings for long and reliable performance. Spring loaded to ensure constant performance over the life of the packing.
- Stainless steel packing follower is corrosion resistant and less prone to mineral deposit.

VALVE - TRIM & STEM GUIDING

- Replaceable stainless steel seat ring and plug.
- Carefully contoured plug ensures repeatable flow characteristics.
- Precision machined internal components ensures tight shutoff and energy conservation.
- Superior dual stem guiding provides smooth and precise control throughout valve travel range.

OTHER INDUSTRIAL FEATURES

- High rangeability - 50:1.
- A high number of trim options per valve size.



Baumann 24000 Little Scotty Bronze Control Valve with NV Electric Actuator



**NV Series Actuators are available with a wide range of
Baumann versatile and compact control valves**

24000 Bronze Little Scotty - threaded (NPT)

24003 Bronze and Stainless Steel Little Scotty 3 Way - threaded (NPT)

24000C & D Carbon Steel and Ductile Iron - ANSI and DIN flanged

24000S Stainless Steel - threaded (NPT)

24000SF Stainless Steel - ANSI and DIN flanged

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Emerson Process Management

Baumann Inc.

35 Mirona Road
Portsmouth, NH 03801
T 1 (603) 436-2044
F 1 (603) 436-4901

www.baumann.com

