

TAKING VALVE AUTOMATION TO THE NEXT LEVEL

Bray International manufactures and supplies a complete range of Engineered Valve Solutions with our self-contained Electro-Hydraulic Actuators designed to give you the exact level of reliable control, positional accuracy, repeatability, and flexibility to meet the most critical and difficult applications.

- > Power Generation
- > Mining and Minerals
- > Refining
- > LNG Facilities
- > Gas Pipelines
- > Liquid Pipelines
- > Water / Wastewater
- > Oil and Gas Exploration and Production
- > Pulp and Paper Plants

HIGHLIGHTS

KEY FEATURES

- > Completely self-contained
- > Electric on/off failsafe
- > Continuous modulating duty
- > Precise controllability and repeatable accuracy
- > Adjustable opening and closing speeds
- > Weather-proof or explosion-proof construction
- > Fail freeze, fail last, fail open or fail close using spring or stored accumulator energy
- > ESD and PST capable
- > SIL capable
- > UL, FM, ATEX, CSA certifications
- > Manual hydraulic override
- > Custom built options available

COMPACT HP RANGE

- > Rugged and repeatable performance under the most challenging conditions
- > Supply Voltage:
 - 12 or 24 VDC or 48VDC
 - 120 - 220 VAC
 - 480 V 3-Phase
 - 50/60 Hz
 - Solar or wind charged power packs
- > Control Signal:
 - 4-20mA or 0-10VDC
 - 12 or 24 VDC or 48 VDC
 - 120 - 220 VAC
 - Network Protocols

COMPACT LP RANGE

- > Compact tubeless series excellent where space and weight consideration is important
- > Supply Voltage:
 - 12 or 24 VDC or 48 VDC
 - 120 - 220 VAC
 - 50/60 Hz
 - Solar or wind charged power packs
- > Control Signal:
 - 4-20mA or 0-10VDC
 - 12 or 24 VDC or 48 VDC
 - 120 - 220 VAC
 - Network Protocols

TORQUE RANGE

Hydraulic Break to Open

- Torque Range:**
- > 1,629 lb-in (184 N m) to 885,100 lb-in (100,000 N m)

Spring-Ending Torque Range:

- > 2,744 lb-in (310 N m) to 456,261 lb-in (50,306 N m)



Compact HP Series Actuators



Custom Built HP Series Actuators



Custom Built Solar Charged Power Packs

FEATURES

- > Double acting or spring return
- > Zero emissions capability
- > Completely self contained
- > Multiple voltage and control signal options including network protocols
- > Can be operated by solar or wind charged power packs, ideal for remote locations
- > Fast opening and closing speeds
- > Precise controllability and repeatable accuracy
- > Fail freeze, fail last, fail open or fail close using spring or stored accumulator energy
- > Remote and local diagnostics capability
- > Remote hydraulic power pack mounting option available
- > Remote and local controls
- > Line break protection
- > Partial stroke test
- > Weather-proof or explosion-proof construction
- > Adjustable speed controls
- > Actuator system alarm options
- > Manual override for operation during power loss
- > SIL capable
- > UL, FM, ATEX, CSA certifications

VERSATILE

Bray electro-hydraulic actuators are available for all Bray valves, or any non-Bray rotary, linear, multi-turn, and damper valves – including field retrofitting services.



US HEADQUARTERS

Bray International, Inc.

13333 Westland East Blvd.
Houston, Texas 77041
Tel: 281.894.5454

All statements, technical information, and recommendations in this bulletin are for general use only. Consult Bray representatives or factory for the specific requirements and material selection for your intended application. The right to change or modify product design or product without prior notice is reserved. Patents issued and applied for worldwide.