



E²HR actuator

Electro-Hydraulic Rotary Valve Actuator

Compact Self-Contained Electro-Hydraulic Actuator

- Torque up to 300,000 in-lbs
- On/Off or Modulating service
- Fail Last, Fail Close, Fail Open
- Speed 20 Degrees/Sec

E²HR SERIES Design





Specifications

- Torque up to 300,000 in-lbs
- Rotation: 90 degrees +/- 5 degrees
- ESD Capable
- 100% Duty Cycle
- Very Low Power Consumption
- Power On Demand Lock in Place
- Tight Shutoff
- On/Off or Modulating service
- Fail Last, Fail Close, Fail Open
- Speed 20 Degrees/Sec
- Hydraulic Manual Override

Compact: All in one design. No need for a separate hydraulic power unit and hoses.

Simple: Large, easy to use touch screen for quick setup and operation.

Data logging: System records position and time data for valve performance analysis.

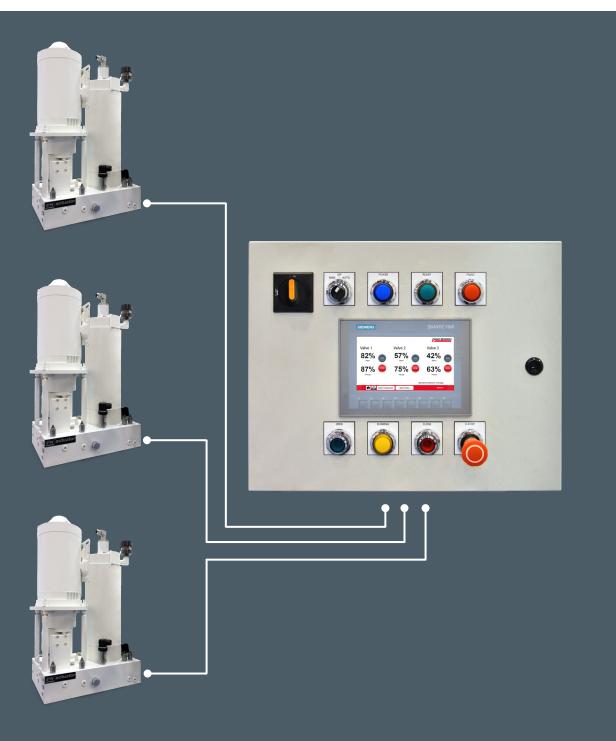
Partial Stroke Test: Initiate PST from touch screen or remotely.

Versatile: Can be mounted in horizontal valve stem applications.

Remote Diagnostics and Trouble-Shooting by Cowan* (*direct VPN connection required)



Service and support Toll-free: 855 341 3415



Operate Your E²HR Remotely Using Our Remote Panel Option

- The control panel can be mounted remotely and control multiple valves.
- It's ideal for hazardous area locations.
- It gives you the flexibility to mount the control panel in a safe zone thereby providing a significant cost saving.
- Access valve performance data for multiple valves from one control panel.
- Designed to suit your installation.



E²HR PANEL Design

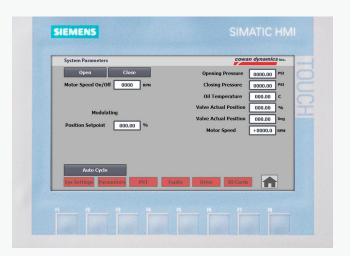
cowan dynamics



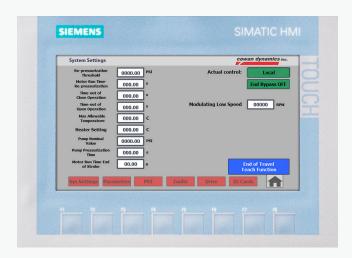
Main Panel: The E'HR control panel comes standard with a touch screen* for quick setup and easy operation. The panel can be mounted remotely or on your E'HR.

In addition, you can operate your E'HR locally using the physical buttons on the

*Touch Screen not available for low temperature applications



Status Screen: The E'HR status screen gives you a quick overview of your system status. Available from the touch screen* or vía Wi-Fi.



Remote Screen: Operate your E^{*}HR remotely using one of the communication protocols below.



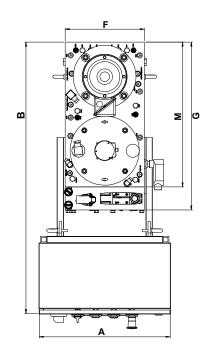


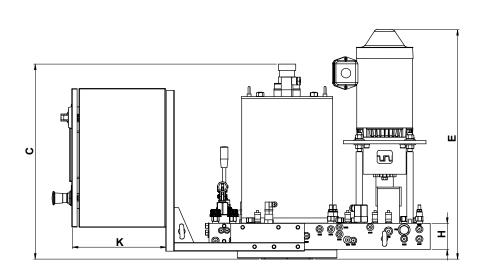


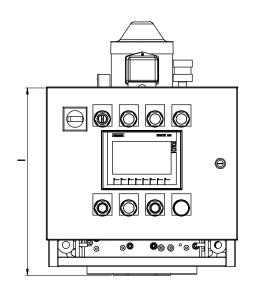


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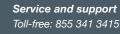
Dimensions







Series	Motor (HP)	В	F	М	G (If MO Required)	Α	C	К	Н	E	I	Weight (lbs)	MO Weight (lbs)	Max Torque (in.lbs)	Open/Close Time (Sec)
E2HR-1	3	41	14	26	29.5	27.5	23	11	3.5	28	27	415	16	10,940	2 to 5
	1	37	12	22	25.5	27.5	23	11	3.5	26	27	360	16		24 to 75
E2HR-2	15	48	20	33	36.5	31.5	30.15	11	4.5	42.1	29.5	2000	32	100,000	4 to 18
	3	48	20	33	36.5	27.5	30.15	11	4.5	29	27.5	1750	32		16 to 72
E2HR-3	15	57	28	42	45.5	31.5	41.57	11	4.5	42.1	29.5	2700	50	300,000	10 to 44
	5	57	28	42	45.5	31.5	41.57	11	4.5	36.3	27.5	2500	50		25 to 114



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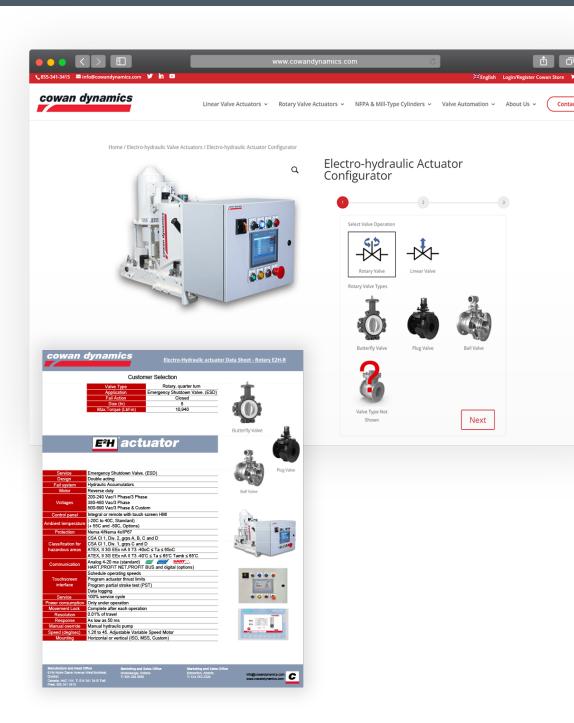
info@cowandynamics.com

Specifications

Voltage						
Standard	240V Single Phase	50/60Hz				
Optional	115V Single Phase	50/60Hz				
Optional	575V 3 Phase	50/60Hz				
Optional	460V 3 Phase	50/60Hz				

Environmental						
Standard	Nema 4	IP65				
Optional	Nema 4X	IP67				
Optional	Nema 7					
Optional	CSA approved CI 1, Div 2, grps A, B, C, & D (OPT) CSA approved CI 1, Div 1, grps C, & D (OPT) /ATEX, II 3G EEx nA II T3 -40°C ≤ Ta ≤ 65°C / ATEX, II 2G EEx 'd' iiB, T3 -40°C ≤ Tamb ≤ 65°C					





Configure Your Electro-hydraulic Actuator Online

Easily generate a custom datasheet on our website by visiting:

https://www.cowandynamics.com/product/electro-hydraulic-actuator-configurator/

What you can do:

- Select your valve type
- Select valve size
- Select application type:

Control: modulation continuous duty

Isolation: on/off

Emergency Shutdown Valve (ESD)

- Select Torque or required BTO / ETC
- Select fail-mode options:

Fail-open

Fail-close

Fail-last Lock

Related materials

Visit our website to download or request a printed catalogue.





www.cowandynamics.com

info@cowandynamics.com









Solutions Include:

Valve Actuators

Fail-Safe Systems

Digital Process Control Panels

Pneumatic Process Control Panels

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