+44 (0) 1535 655151
sales@advanced-actuators.com

HYLINE®

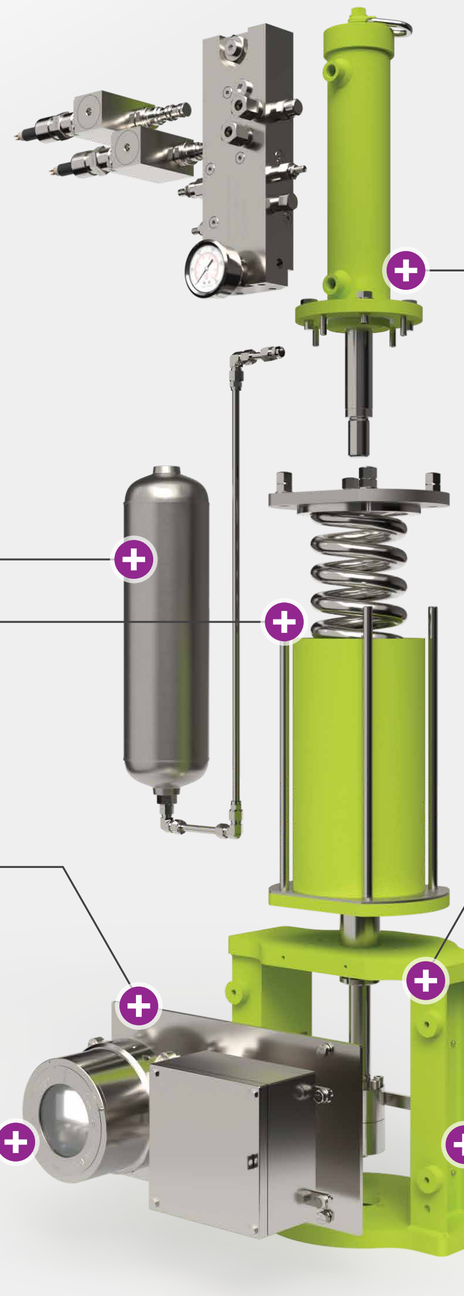
PRECISION CONTROL FOR DEMANDING ENVIRONMENTS

ELECTRO-HYDRAULIC LINEAR ACTUATOR

316 STAINLESS STEEL

ADVANCED ACTUATORS COMPONENTS ARE ALL AVAILABLE WITH A ***316L STAINLESS STEEL*** FINISH

Rugged, corrosion-resistant bodies and internal components



1 GLOBALLY CERTIFIED

ATEX / IECEx / INMETRO / ECAS / IP66
UL C1D1 / NEMA 4X

2 FAILSAFE OPTIONS

Whether configured with a spring or accumulator, a failsafe option ensures safe shutdown in the event of power loss or fault

Available in sizes up to 4 litres, accumulators function in power optimsation as well as play a role in failsafe operations

3 SMOOTH MODULATING CONTROL

Proportional hydraulic responses ensure accurate positioning and stable system regulation

4 RAPID RESPONSE SPEEDS

Fast-acting designs deliver movement speeds up to 200 mm/s, vastly improving overall process efficiency and speed

5 INTEGRATED POSITION FEEDBACK

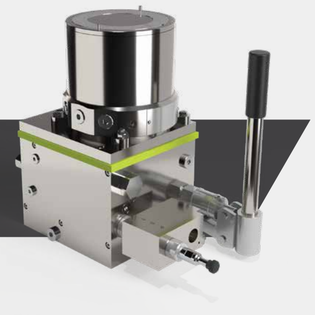
4–20 mA and HART 7 feedback options, fully compatible with PLCs and DCS systems

6 MODULAR & CUSTOM MOUNTING

Adaptable frame and interface options to suit linear valves and project-specific needs

7 COMPACT & SELF-CONTAINED OPTION

Integrate our **HYFLOW®** unit for remote locations or standalone operation



8 HIGH-FORCE LINEAR ACTUATION

4 standard sizes, with thrusts from 100kgf to over 100,000 kgf, and up to 300 Bar operating pressure

Standard cylinders: Carbon Steel and Offshore Coated. 316 SS option available

ADVANCED ACTUATORS

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THE SPECIALISTS IN THE DESIGN & MANUFACTURE OF PRECISION VALVE CONTROL SOLUTIONS & INSTRUMENTATION

HYLINE®

PRECISION CONTROL FOR DEMANDING ENVIRONMENTS

SYSTEM FEATURES

ELECTRO-HYDRAULIC LINEAR ACTUATOR

HYLINE® is a powerful electro-hydraulic linear actuator system, engineered for reliability, speed, and precision in critical control applications. By combining the control simplicity of electric systems with the high force output of hydraulics, HYLINE® is ideal for modulating valves, emergency shutdown (ESD) systems, and isolating duties across the Oil & Gas and Power sectors.

Designed to meet complex technical requirements, **HYLINE®** actuators are available as compact, self-contained units or integrated into ring main systems. With stroke lengths up to 300 mm, thrust up to 100 tonnes, and full compatibility with modern instrumentation, **HYLINE®** provides a flexible and future-ready solution for high-specification projects in demanding environments.

1 GLOBAL CERTIFICATION

HYLINE® actuators are certified for use in hazardous environments across the globe. With **ATEX, IECEx, ECAS, INMETRO, and UL Class 1 Division 1** approvals, along with **IP65–IP68 ingress protection**, each unit is built to perform reliably in offshore, chemical, and industrial zones where safety is paramount.

2 FAILSAFE OPTIONS AVAILABLE

Optional spring-return or accumulator-powered failsafe mechanisms ensure the actuator reverts to a safe position in the event of power failure or emergency. This makes **HYLINE®** suitable for ESD and other critical duties where safety cannot be compromised. Adding an accumulator contributes to lower power usage too.

3 SMOOTH MODULATING CONTROL

HYLINE® delivers stable, proportional movement across its full stroke, ensuring precise valve positioning and smooth regulation. It is ideal for modulating control where linearity and responsiveness are critical to system performance.

4 RAPID RESPONSE SPEEDS

Available in fast-acting variants capable of **up to 200 mm/s**, **HYLINE®** supports applications where quick valve response is essential. These speeds enhance system reactivity and reduce control lag in dynamic process environments.

5 INTEGRATED POSITION FEEDBACK

Each **HYLINE®** unit can be fitted with high-accuracy position sensing, using **4–20 mA** analogue outputs or digital **HART 7 protocols**. These enable full visibility and real-time feedback when connected to site control systems such as PLCs or DCS.

6 MODULAR DESIGN & CUSTOM MOUNTING

The modular design of **HYLINE®** allows for a wide range of valve interfaces, including bespoke mounting brackets and **stroke lengths up to 300 mm**. This ensures compatibility with sliding stem, globe, or control valves across diverse systems.

7 COMPACT SELF-CONTAINED DESIGN

For remote or standalone installations, **HYLINE®** can be supplied with a fully integrated **HYFLOW®** pumping unit, creating a compact, closed-loop actuation system. This eliminates the need for separate HPUs or external power sources, making deployment quicker and more flexible.

8 HIGH-FORCE LINEAR ACTUATION

HYLINE® actuators can generate thrusts from **100 kgf to over 100,000 kgf** and operate at pressures **up to 300 Bar.** This range of capability allows for both small precision control and heavy-duty isolation in a single, scalable platform.