ADVANCED ACTUATORS

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

GLOBAL LEADERS IN THE DESIGN & MANUFACTURE OF PRECISION VALVE CONTROL SOLUTIONS & INSTRUMENTATION

HYLINE®

SELF-CONTAINED / RING MAIN

HYDRAULIC LINEAR ACTUATOR

Ideal for projects with modulating and isolating requirements, with bespoke designs tailored to meet your specific application.

Combining electrical control with hydraulic power, **HYLINE®** delivers precise, high-force actuation whether configured as ring main units or deployed as self-contained devices for remote location.

Our specialist, in-house engingeers can provide complete solutions that include hydraulic control systems and cylinders, electrical controls, & HPUs.



- **COMPACT DESIGN**
  Offers a compact footprint without compromising performance, ideal for restricted installation spaces
- **SMOOTH MODULATION**
  Smooth, continuous movement for modulating control, ensuring accurate and stable positioning
- **FAST RESPONSE TIME**
  Responds quickly to control signals, improving system reactivity and overall process efficiency
- **FAIL-SAFE OPTIONS**
  Spring-return & other fail-safe configurations ensure safety in the event of power loss or system failure
- **ENERGY EFFICIENT**
  Optimised power usage delivers consistent performance with reduced energy consumption
- **PLUG-AND-PLAY SIMPLICITY**
  Pre-configured & integrated control options, make installs simple, with minimal commissioning time

KEY APPLICATIONS

Precise flow control, emergency shutdown systems, and regulation of process variables. Oil & Gas, and Power Generation sectors. Sliding Stem & Linear Valves.

SELECTED END USER REFERENCES

TOTAL · ADNOC · MAERSK · PETRONAS · Chevron · OXY · PETROBRAS

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TECHNICAL FEATURES

- Linear Actuator - Double-Acting & Spring Failsafe
- Integrated Control Manifold 316L + Ex d Solenoids
- Position Feedback & Controller - 4/20mA + HART
- Custom Mounting to Suit Any Valve
- Compact Self-Contained (with **HYFLOW®** unit)
- Modular Design for Maximum Flexibility

ENVIRONMENTAL & HAZARDOUS AREA

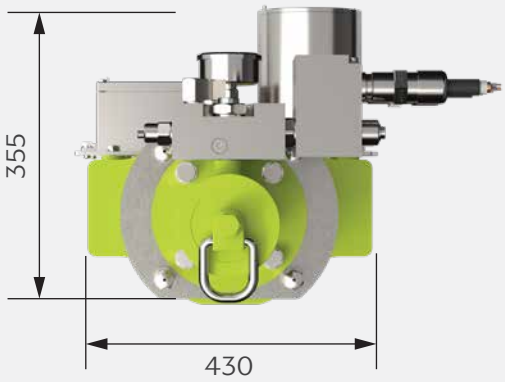
- ATEX / IECEx / ECAS / INMETRO
- Explosion Proof (Ex d) & Intrinsically Safe (Ex i)
- IP65 / IP66 / IP68
- -30°C / +80°C
- Offshore Paint Systems - Standard or Custom
- 316L Tubing & Fittings + Special Materials Available

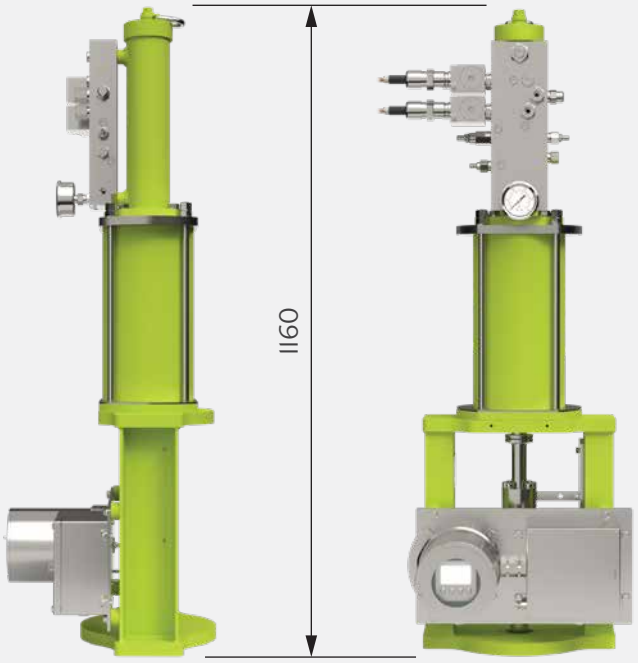
PERFORMANCE RANGES

Thrust: **100 kgf - 100,000 kgf**
Strokes: up to **12" / 300mm**
Pressure: up to **300 Bar**
Speeds: **2mm/s** up to **200mm/s**
Fast-Acting and Proportional Options

OPTIONS

HYTRACK® Position Feedback - 4/20mA / HART
HYCONTROL® Closed Loop Position Controller
HYFLOW® Compact 24vdc pumping unit





MODEL SHOWN:	SIZE 2
STROKE:	25 MM [1"]
THRUST:	2000 KG [4400 LBF]

CUSTOM SPECIFICATIONS AVAILABLE ON REQUEST

NOT TO SCALE | DIMENSIONS IN MILLIMETRES | SPECIFICATIONS VARY DEPENDING ON CONFIGURATION | MASS ~120KG