ADVANCED ACTUATORS

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

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

HYFLOW®

HYDRAULIC

MICRO PUMPING UNIT

The HYFLOW® range of hydraulic pumping units deliver the performance of a proportional control system & brushless DC smart motor in a compact rugged 316 housing.

They are suitable for providing accurate reliable control of any hydraulic actuator.



- **FLOW-OPTIMISED DESIGN**
  Designed for seamless integration with fluid control systems, delivers smooth and consistent flow regulation
- **WIDE COMPATIBILITY**
  Standardised mounting and coupling options interface easily with a range of valves and fittings
- **IP RATED PROTECTION**
  Sealed to protect against contamination and water ingress, it is ideal for washdown and outdoor use
- **FEEDBACK READY**
  Supports feedback modules like position indicators or smart sensors, integrating with automated systems
- **CUSTOM CONFIGURATIONS**
  Can be tailored to meet specific application needs, including stroke length, control type, or fail-safe function

KEY APPLICATIONS

Oil & Gas, Chemical Processing, Manufacturing, and Mining. Hydraulic power supply for actuators, precision instrumentation control, and lubrication systems.

SELECTED END USER REFERENCES

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

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TECHNICAL FEATURES

- 316L Stainless Steel Body
- 24V DC Smart Brushless Motor - 4/20mA + HART 7
- Closed Loop & Maintenance Free
- Integrated Sensor Options
- Dynamic Flow & Pressure Control
- Failsafe Actuator Compatible

ENVIRONMENTAL & HAZARDOUS AREA

- ATEX / IECEx / ECAS / INMETRO
- Explosion Proof (Ex d)
- IP66 / NEMA 4X
- -40°C / +80°C

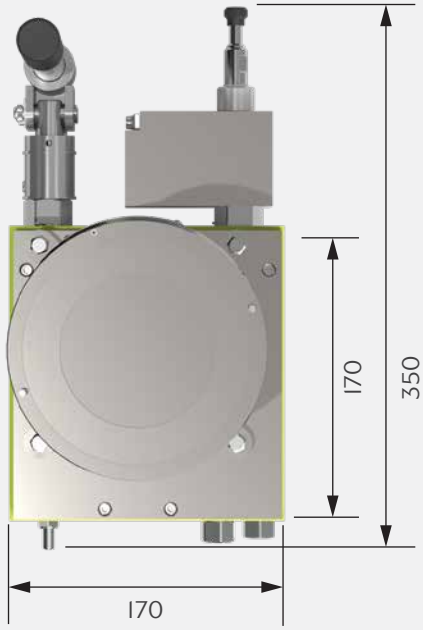
PERFORMANCE RANGES

24V DC Powered
Ultra-Low Power Consumption Steady State **< 1W**
Motor Power: **90W** TO **600W** (req. 2A~20A current)
Flow Rates: **0.4 lpm (0.1 GPM)** to **3 lpm (0.8 GPM)**
Pressures: **70 Bar** (1000 psi) to **207 Bar** (3000 psi)

OPTIONS

HYTRACK® Position Feedback - 4/20mA / HART

HYCONTROL® Closed Loop Position Controller





NOT TO SCALE | DIMENSIONS IN MILLIMETRES | SPECIFICATIONS VARY DEPENDING ON CONFIGURATION | MASS ~40KG