ADVANCED ACTUATORS

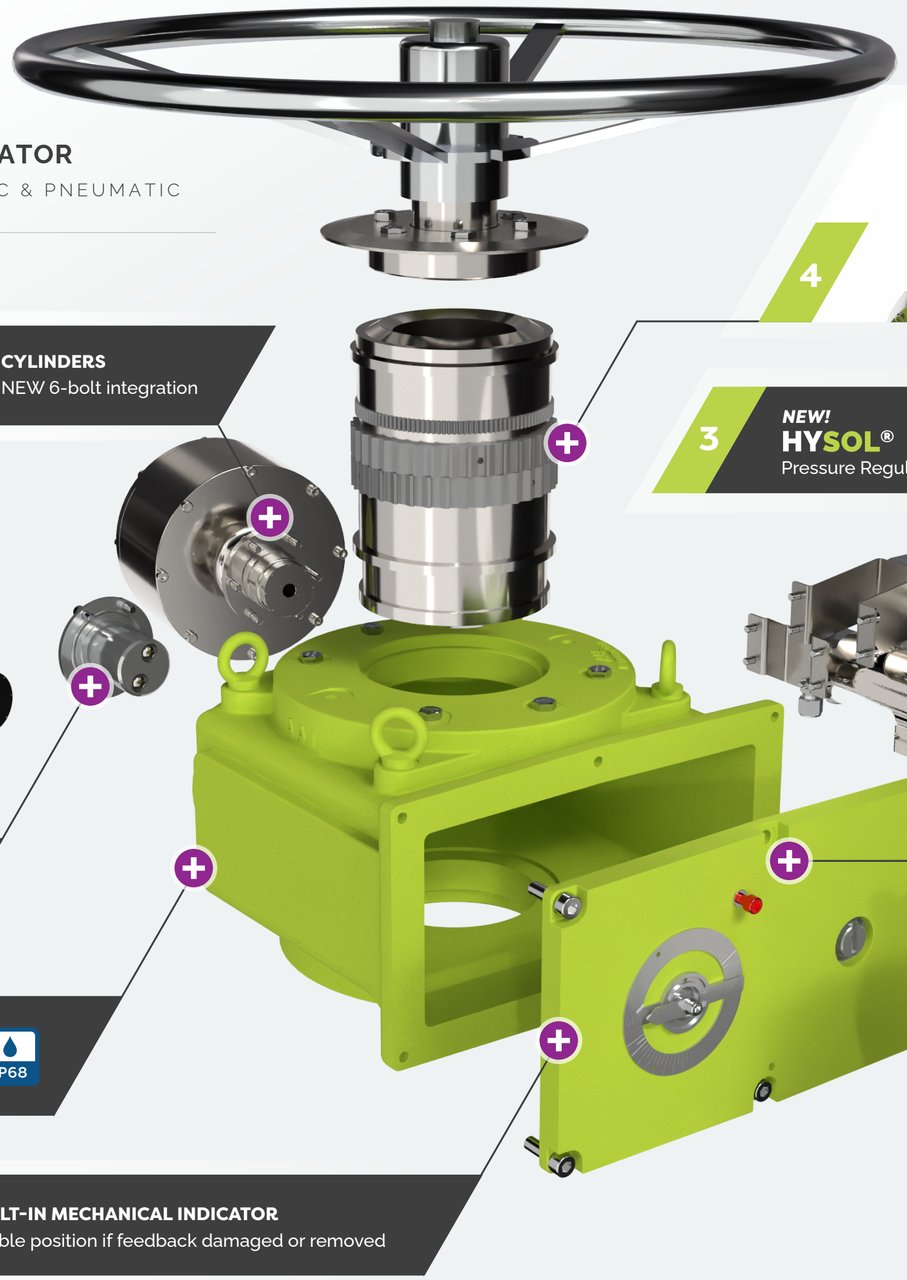
SPECIALISTS IN THE DESIGN & MANUFACTURE OF PRECISION
VALVE CONTROLS, INSTRUMENTS, & ENGINEERED SOLUTIONS

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

HYSTEP®

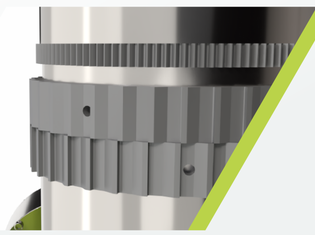
THE *ORIGINAL* DISCRETE STEPPING ACTUATOR

MODULAR | HIGHLY CONFIGURABLE | HYDRAULIC & PNEUMATIC



316 STAINLESS STEEL

ALL **ADVANCED ACTUATORS** COMPONENTS AVAILABLE WITH ***316L STAINLESS STEEL*** FINISHES



4

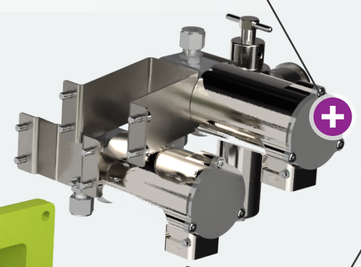
DESIGNED TO LAST

Components are **chemically bonded to withstand 10,700 Nm torque** ***(a safety factor of 21)***, and an additional 6 shear pins provide 120% max. torque resistance, for ultimate durability.

2 CYLINDERS
NEW 6-bolt integration

3 ***NEW!*** **HYSOL®**
Pressure Regulation



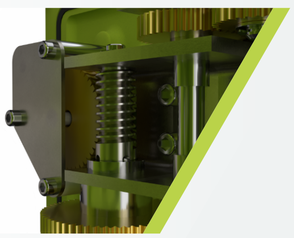


5

SIMPLE TRANSIT SCREW
IN - unit Enabled
OUT - unit Disabled



FULL-METAL CONSTRUCTION
Machined to last, with
100% metal componentry



7 DETENT UNIT
Removing over-travel

1 NEW HOUSING DESIGN
Stronger, lighter & more compact than ever

IP66 IP68

8 BUILT-IN MECHANICAL INDICATOR
Visible position if feedback damaged or removed

6 ***NEW!*** **HYTRACK®**
Advanced Feedback

www.advanced-actuators.com
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ADVANCED ENGINEERING GROUP
POWER • MOTION • CONTROL

ADVANCED ACTUATORS

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

HYSTEP®

MODULAR | HIGHLY CONFIGURABLE | HYDRAULIC & PNEUMATIC

THE *ORIGINAL* DISCRETE STEPPING ACTUATOR

PRODUCT DEVELOPMENTS

The HYSTEP® range of discrete stepping actuators continues to evolve through our comprehensive programme of continuous refinement and rigorous field testing. Engineered for high-performance applications, the latest generation of HYSTEP® actuators reflects Advanced Engineering's commitment to product excellence, with improvements that enhance durability, modularity, and user experience.

Building on proven mechanical platforms, recent developments have introduced more robust materials and refined component interfaces to improve reliability in demanding environments. Enhanced modular design enables easier configuration across a wide range of use cases, while thoughtful updates to servicing access and diagnostic features simplify maintenance, reduce downtime, and lower total cost of ownership.

1 NEW HOUSING DESIGN
Stronger, lighter, and more compact than ever, the re-engineered housing improves installation flexibility while enhancing overall system resilience.

2 UPDATED CYLINDER DESIGN
Featuring a robust 6-bolt integration for enhanced sealing, strength, and simplified maintenance.

3 HYSOL® PRESSURE REGULATOR
A compact, integrated solution for localised pressure control, ideal for optimising actuator performance and extending system life.

4 CHEMICAL BONDING
Withstands up to 10,700 Nm torque with chemically bonded components and 6 additional shear pins for extra protection under extreme conditions.

5 SIMPLE TRANSIT SCREW
Quickly enables or disables the actuator for safe transport or isolation, a practical feature for commissioning and servicing.

6 HYTRACK®ADVANCED FEEDBACK
Offers real-time, high-accuracy position feedback. Designed for integration with modern control systems and harsh environments.

7 DETENT UNIT
Effectively removes over-travel by mechanically locking the actuator at discrete steps, improving precision and repeatability.

8 BUILT-IN MECHANICAL INDICATOR
Provides a visible, manual check of actuator position, even if electronic feedback is damaged or disconnected.