rotork®

Keeping the World Flowing
for Future Generations

Remote Control RCT actuators from Rotork undergo a patented anodising surface treatment. The finish is further modified with polymers and the surface has excellent corrosion wear resistance, lubricating properties and colour bleaching resistance and it will not peel.

- Double-acting or single-acting with spring-return
- Pre-tensioned springs for safety
- Connections according to international standards
- Mounting kits for all types of quarter-turn valves
- Hard and durable surface
- Lighter and more economical than steel/ stainless steel
- Scotch yoke principle gives high torque in the end positions
- Precise control, smooth travel in the end positions
- High reliability, long life
- Three-year warranty
- High efficiency with low air consumption
- Anodised and polymer sealed aluminium housing
- Stainless steel drive shaft and screws
- Temperature range: -20 to +80 °C
- Up to SIL3 for high demand applications
- PED and ATEX certified
- Options: manual override M1, quick acting, speed restrictor, high temp, low temp, low temp arctic, water hydraulics, oil hydraulics

RCT Range

RCT200 and RCT88 pneumatic actuators for offshore and arduous conditions

Salt spray testing (to ISO 9227) has shown that RCT actuators can withstand over 2,000 hours of exposure without noticeable effects from corrosion.

RCT actuators are suitable for applications in corrosive environments with a neutral pH (pH7) such as coastal areas, tropical climates and wet applications such as paper machines, wash halls and C5-M applications on board ships and drilling platforms.

REMOTE CONTROL®
A rotork Brand

RCT Range

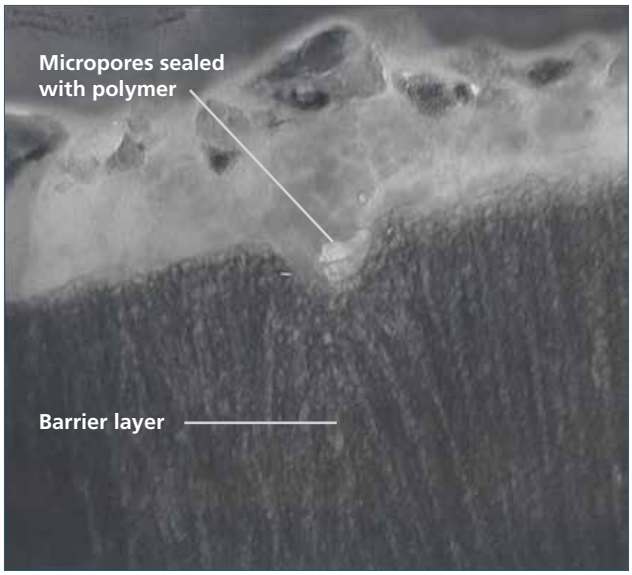
RCT200 and RCT88 Pneumatic Actuators for offshore and arduous conditions

Technical Information

RCT actuators have a patented surface treatment method for aluminium that combines anodising and a polymer treatment to create a high corrosion, wear resistant barrier.

Hardness

The modified microstructure of the finish of RCT actuators combines the structure of conventional anodising and polymers, improving performance. Laboratory testing of the finish confirms a tougher, more resilient structure, which withstands all types of external attack and stress. As the layer is built by converting the surface material, it is well secured to the base material and cannot peel.



Corrosion resistance

The barrier layer offers a considerably higher corrosion protection than the conventional anodising. The surface treatment has impressive corrosion protective qualities and withstands more than 2,000 hours corrosion testing in neutral salt spray (to ISO 9227) without being affected.

References

Rotork has delivered RCT actuators to a variety of applications where the actuator must withstand even the most extreme conditions. Applications include: the chemical and petrochemical industry, off-shore, wastewater treatment plants and the pulp and paper industry.

Contact Rotork for more information about different areas of industrial application.

For reference: older installed RCT actuators

A full listing of the Rotork sales and service network is available on our website.

www.rotork.com

Corporate Headquarters
Rotork plc
tel +44 (0)1225 733200
fax +44 (0)1225 333467
email mail@rotork.com

rotork®

Electric Actuators and Control Systems
Fluid Power Actuators and Control Systems
Gearboxes and Gear Operators
Precision Control and Indication
Projects, Services and Retrofit

PUB064-002-00
Issue 09/19