rotork®
Fluid Systems

Demanding Applications

Valve actuators are required to operate in a wide range of application environments in the harshest conditions on earth, including extremes of heat and cold as well as a variety of corrosive agents. Rotork Fluid Systems has equipped our RC200 with optional build features to enable high performance and long-life service in the adverse conditions of these harsh environments.

High- and low-temperature build variants

Although the standard temperature range for the RC200 is suitable for most industrial applications, many applications require valve actuators be continuously exposed to either extreme high or low working and or ambient temperatures. Standard actuator components such as seals, bearing and lubricants are not designed for use at these extreme temperatures. The RC200 range is available in four variants to meet the requirements of virtually an application.

HT is the optional high-temperature configuration. The HT build includes seals bearing and lubrication specifically chosen for our high-temperature build specification. These modifications ensure that users can depend upon the RC200 HT actuator to perform in harsh, high-heat applications without any degradation of performance in temperatures as high as 150 °C.

Two separate variants are available to meet low-temperature requirements. As with our HT high-temperature build, seals material, bearings and lubrication are all specifically chosen to provide high performance within the specified temperature range. The RC200-LT build is suitable for ambient temperatures as low as -40 °C.

Although -40 °C is a common low-temperature requirement, some specifications require equipment to operate at even lower temperatures. To meet these specifications we also offer the RC200-LTA for temperatures as low as -47 °C.

Temperature Range:

Standard:	-20 to +80 °C	(-5 to +175 °F)
High:	0 to +150 °C	(+30 to +300 °F)
Low:	-40 to +60 °C	(-40 to +140 °F)
Arctic:	-47 to +60 °C	(-52 to +140 °F)

RC200 Options

Optional Features for Demanding Applications

Established Leaders in Actuation Technology

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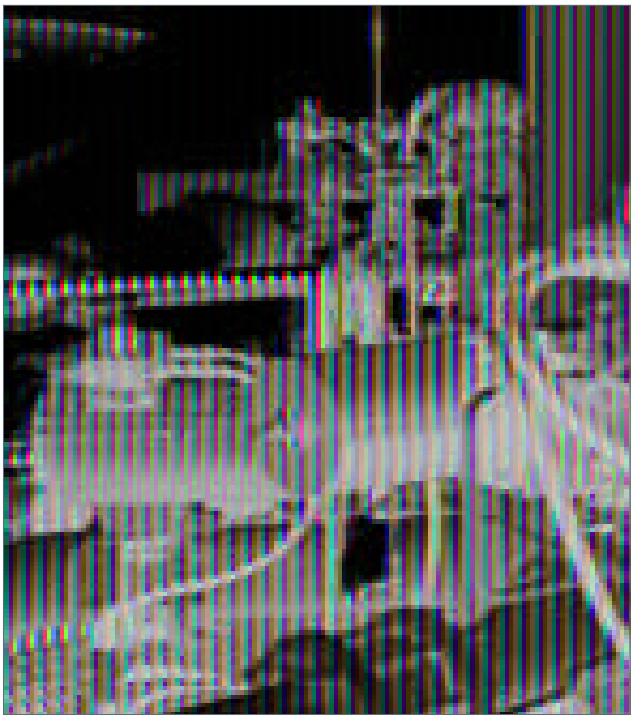
Optional Features for Demanding Applications

Superior surface treatment

The coating on our RCT200 actuators is a proprietary, multi-step process designed to protect aluminium surfaces. The treatment yields a surface that is harder than steel and otherwise unattainable levels of corrosion protection vastly superior to conventional hard anodising. It also provides very low friction and is permanently self-lubricating. RCT's characteristics combine to provide a very durable and dependable actuator well suited for industry's most demanding applications.

Rotork RCT200 actuators have proven themselves in a variety of corrosively challenging environments including paper mills; waste water treatment, chemical and petrochemical plants, offshore and desert applications.



RCT coating offers significant benefits

- Substantial increase in surface hardness.
- Greater abrasion and wear resistance.
- Provides low friction and self-lubrication for extended life.
- Corrosion resistance to salt, chemicals and acids.
- Cannot peel or flake off like paint protection solutions.
- No out-gassing.
- Cost-effective and lower weight alternative to stainless steel.
- Facilitates cleanup and sanitation maintenance.

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

www.rotork.com

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Fluid Systems
Fluid Power Actuators and Control Systems

Controls
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