



Twin Power Pneumatic Multi Turn Actuator



Twin Power[®]

A series of pneumatic multi-turn actuators for all types of valves.



- For multi-turn valves
- Robust, hardy construction
- Mounting kits for most valve types
- Suitable to mount on existing valves
- ATEX certified
- Housing in painted cast iron
- Manual override
- Increased starting torque in the end positions
- Electric end position and running indication
- Optional: Added corrosion protection
- Optional: Several models of electric and pneumatic indications



Remote Control Twin Power[®] pneumatic stepping actuator for Choke-valves.

Twin Power is easily mounted on any type of valve

Remote Control Twin Power® is a series of robust pneumatic actuators for multi-turn applications, for instance on knifegate, gate valve, slide- and choke valves.

Remote Control Twin Power® is easily mounted on installed or new valves, regardless of type, manufacture or drive shaft design.

Remote Control Twin Power® can solve all conceivable torque requirements with its basic range 20-800 Nm. In addition, the torque can easily be increased by means of an intermediate gearbox.

Remote Control Twin Power® is very reliable for long periods with a minimum of maintenance in the most arduous environments.

Remote Control Twin Power® can be either operated directly or remotely with the aid of

pneumatic or solenoid valves. The actuator can also be operated manually as easily as a standard valve with a handwheel and has as standard, three integral micro-switches indicating open and closed valve and running control.

Remote Control Twin Power® has increased starting torque in both directions of rotation. Under extreme working conditions the starting torque can be increased several times compared with the end torque.

The motor is of a piston or diaphragm type with a simple and very safe construction, ensuring that the actuator operation is reliable regardless of high or low speeds, and at different air or gas pressure (0,4-0,8 MPa).

Suits all types of valves

When required, we are pleased to offer a mounting service, in our workshops or in the field. Most mounting kits are similar in the sense that an actuator mounting flange is either welded or screwed onto the valve housing.



Gate valve with Remote Control Twin Power® actuator. This combination is often used for water treatment; fresh water, sewage, filtering and cooling.



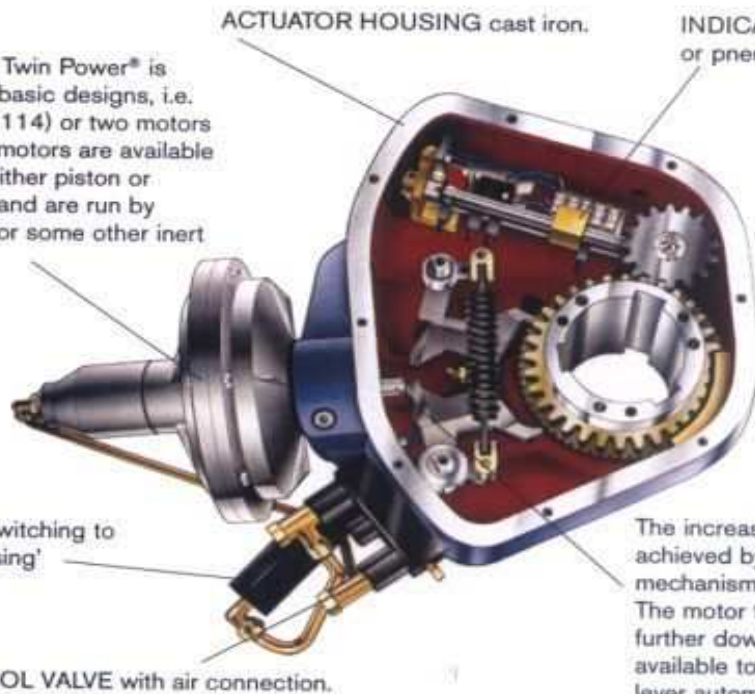
Slide valve with Remote Control Twin Power® 214. A typical valve/actuator combination for steam, hot water and high pressure water.



Ball valve for district heating systems with Remote Control Twin Power® actuator mounted on a worm gear box.

REMOTE CONTROL

Remote Control Twin Power® is available in two basic designs, i.e. one motor (type 114) or two motors (type 214). The motors are available in four sizes of either piston or diaphragm type and are run by compressed air or some other inert gas.



The increased starting torque is achieved by moving the feed mechanism sideways on the lever. The motor then works against a point further down the lever, increasing the available torque. After a few turns the lever automatically returns to its normal position.

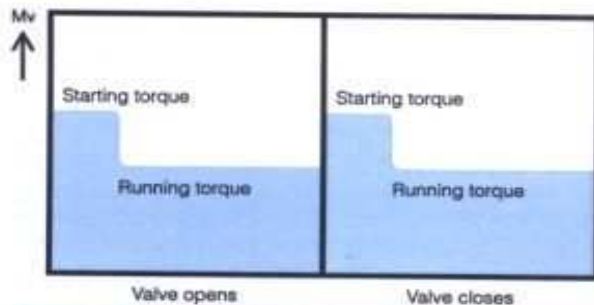
Increased torque -Twin Power gives extra power when needed.

Remote Control Twin Power® is so-called due to the two different output torques. By clever construction, the actuator gives up to 50 % extra power when it is most needed, i.e. at start in both directions, especially to overcome sticking at the end positions.

Normal position
Increased torque position



Torque diagram



Explosive atmosphere

Twin Power® is, in certain executions, available with ATEX certification. This allows use in hazardous areas according to category 2, group II.



Remote Control manufactures high-quality pneumatic, hydraulic and electric actuators for standard and special valves. All products are being developed in close collaboration with customers and distributors located throughout the world to meet the stringent requirements for reliability, functionality and on-time deliveries.



Remote Control Twin Power* actuator mounted on a strainer for changing of flow paths.



RC200
Pneumatic
actuator
up to 8.800 Nm



RCC
Pneumatic
steel actuator
up to 100.000 Nm



RCEL
Electric
actuator
up to 2.000 Nm



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