

RACK AND PINION PNEUMATIC VALVE ACTUATOR

STANDARD VALVE ACTUATOR DATA

ACTUATOR SERIES:

VRP



PRESSURE RANGE

40 psig to 145 psig
3 barg to 10 barg



TEMPERATURE RANGE

-4° F to 176° F
-20° C to 80° C



DOUBLE ACTING



SPRING RETURN

APPLICATION

Suitable for butterfly, ball and plug valves for on/off or modulating service, powered by instrument air, nitrogen or natural gas.

STANDARD CHARACTERISTICS

- Output torque up to 17,000 in-lbs (1,900 Nm)
- Local position indicator
- Open and close stroke adjustments within $\pm 5^\circ$ min.
- Frame based on rack and pinion mechanism
- Pneumatic Cylinder
- High tensile alloy steel spring (for spring return only)

OPTIONAL FEATURES

- Hydraulic Manual Override
- Mechanical Handwheel
- Low temperature application up to -31° F (-35° C) with fluorosilicone seals and low temperature materials
- High temperature application up to 302° F (150° C) with Viton Seals