

NAMUR INTERFACE SPRING RETURN PNEUMATIC ACTUATOR

SR-NAMUR INTERFACE

OMAL spring return pneumatic actuator, namur interface - Part numbers coming soon, contact us for more information

- Torque output 15Nm to 4000Nm
- Air supply 5,6 bar; maximum 8,4 bar
- Temperature range 0°C to +80°C
- ATEX available on request



PRODUCT DESCRIPTION

The new and updated Omal aluminium standard spring return pneumatic actuator - now with an integrated NAMUR interface and adjustable end of travel stops - from SRN15 and bigger, to 4000Nm.

Torque output from 15Nm to 4000Nm. Torque: the return torque depends on spring action only not withstanding the air supply. The spring is provided in four different sizes.

Mounting flange according to EN ISO 5211. ISO: F03 - F04 - F05 - F07 - F10 - F12 - F14 - F16 - F25.

Energized and self-lubricated strips. Less friction between piston and cylinder. It prevents the bonding of the seal to the cylinder even after long periods of inactivity.

Slots, bushes and pins made by steel with hardness higher than 50 HRC. Higher resistance to the forces inside the actuator. Rolling friction between piston and slot also mean less friction with consequently less wear on the relevant parts.

Scotch yoke design (transforming rotary motion into linear motion using piston and shaft without teeth/gears). Smaller volume/size and less weight than rack and pinion actuators (with the same torque) therefore less space required for installation and consequent savings on the construction sizing of the plant/equipment. Lower air consumption compared to the rack and pinion actuators (-40% air cm³/Nm for Double Acting and -20% air cm³/Nm for Spring Return) therefore less load on the compressor or the possibility of using a smaller compressor's size.

Rolled cylinder. Less wear of the energized ties thanks to the low roughness of the surface (0.15 micron Ra).

In accordance with EN 15714-3

Rotation angle 92° (-1°, +91°C)

ATEX version in conformity with directive 2014/34/EU - Available on request

SIL 3 Certified

Temperature: from 0°C to +80°C; from -20°C to +80°C with dry air only. (High Temperature -20°C, +150°C ; Low Temperature -50°C, +60°C special execution)

Air supply: 5,6 bar; maximum 8,4 bar

Actuating media: filtered dry compressed air, not necessarily lubricated. In case of lubricated air, either non detergent oil or NBR compatible oil, must be used.

Please refer to the datasheet under 'downloads' for part numbers and/or technical data, we are working on getting all part numbers and technical data on the website as soon as possible.

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