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NAMUR INTERFACE DOUBLE ACTING PNEUMATIC ACTUATOR

DA-NAMUR INTERFACE
OMAL double acting pneumatic actuator, namur interface - Part numbers coming soon, contact us for more information



- Torque output 8Nm to 8000Nm
- Air supply 5,6 bar; maximum 8,4 bar
- Temperatue range 0°C to +80°C
- ATEX available on request

PRODUCT DESCRIPTION

The new and updated Omal aluminium standard double acting pneumatic actuator - now with an integrated NAMUR interface and adjustable end of travel stops - from DAN15 and bigger, to 8,000Nm.

Torque output from 8Nm to 8,000Nm (only from 15Nm with integrated NAMUR interface). Torque is directly proportional to the air supply (see table on spec sheet). 8Nm to 60Nm available to purchase directly online, over 60Nm requires ordering via our Technical Sales Engineers.

ISO 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 teeths/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 (7 bar for DA8000)
- Operating media: compressed filtered 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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