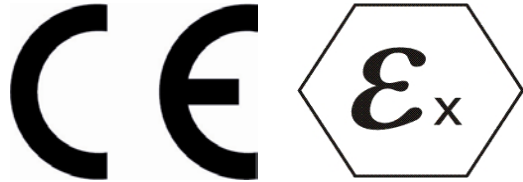


DECLARATION OF CONFORMITY:
CH-air PNEUMATIC ACTUATORS
ATEX - 94/9/CEE



The manufacturer declares that the entire range of CH-air pneumatic rack & pinion actuators in aluminium alloy are engineered and manufactured in accordance with the CE directive ATEX—94/9/CEE

In accordance with:	EN1127-1 & EN13463-1 Machinery Directive 98/37/CEE
Other standards:	ISO5211, DIN3337, VDI/VDE3845 UNI EN ISO 9001:2000
Certificate No:	EX9 04 04 52727 001

CE Directive PED—97/23/CEE states:
 Actuators are not considered to be ‘recipients under pressure’ or ‘safety accessories’. To respect the directive, and also as a general safety norm, switching on the machine where the device will be assembled, is forbidden before the machine is declared to conform to the directive.

SAFETY INSTRUCTIONS In compliance with ATEX 94/9/CEE Directive -Rev 01/01/2004

- 1 DESCRIPTION & IDENTIFICATION:**
 The application filed of the present documentation is represented by Rack & Pinion actuators (APR) in aluminium alloy: SERIES AP (90° rotation) SERIES APY (120° rotation) SERIES APX (180° rotation)

The identification nameplate shows:
 MODEL: CH xx (xx = size)
 SERIAL NO: xx yy zzzzz (xx = year of manufacture, yy = month of manufacture, zzzzz = progressive serial number)

Rack and pinion (APR) actuators in aluminium alloy are engineered and manufactured according to ATEX 94/9/CEE directive and EN1127-1 and EN13463-1 standards as components to be used in explosive atmospheres. They can be used in the following dangerous zones: 1 and 2 (gas) & 21 and 22 (dust)
- 2 TECHNICAL FEATURES:**
 The identification nameplate shows:

Ambient temperature –Low temperature	-40 to +80 C
Ambient temperature –Standard	-20 to +80 C
Ambient temperature –High temperature	-20 to +150 C
Maximum supply pressure for continuous operation:	8 BAR
WARNING: Maximum supply pressure:	10 BAR

Motion fluid: dry or lubricated compressed air, inert gases, water, or non-dangerous fluids.
- 3 MARKING:**
 Rack and pinion (APR) actuators in aluminium alloy are classified according to the following type of protection:

Group of Devices II (surface) - Category 2 (surface excluding mines) G (gas) and D (dust)

Low temperature: -40 to +80		II 2GD Tmax = 95C
Standard: -20 to +80		II 2GD Tmax = 95C
High temperature: -20 to +150C		II 2GD Tmax = 165C
- 4 WARNINGS AND NOTES FOR USE:**

 - Before installation, read our ‘Instruction Manual for Use and Maintenance’ carefully.
 - Follow the expected use.
 - Follow the indications of maximum temperature/ environment stated on the nameplate.
 - Do not supply any flammable or explosive media to drive the actuator (oxygen, acetylene etc).
 - Avoid the penetration of explosive atmospheres inside the actuator.
 - Do not allow the external parts of the actuator to be struck by metallic objects as this may create a spark.
 - Do not force the actuator manually over its maximum output torque.
 - Avoid the accumulation of combustible dusts on the external surfaces of the actuator.
 - Avoid the accumulation of electrostatic charges on insulating surfaces of the actuator by grounding (eg: fixing bolts to valve).
 - All components and accessories installed on the actuator for position monitoring and control purposes must be suitable for use in accordance with the danger classification of the area in which they are being installed and used.
 - Maintenance of the actuator must be in accordance with the applicable standards (eg: EN50281 or E 60079 etc) and with the danger classification of the area in which the maintenance is to be performed.
 - Do not carry out maintenance in areas with potentially explosive atmospheres.
 - Verify the functionality of the springs every 100,000 (one hundred thousand) cycles and replace only with complete CH-air spring cartridges when necessary—do not try to disassemble the spring cartridges.
 - Verify all rubber sealing elements (‘O’ rings and gaskets) and all plastic anti-friction pads every 300,000 (three hundred thousand) cycles, replace only with CH-air spare seal kits when necessary.
 - It is the user’s responsibility to ensure that the CH-air actuators are used only in complete compliance with the ‘Instruction Manual for Use and Maintenance’ and the above instructions as, non compliant use may cause danger to persons and property, and any non compliant use invalidates any warranty from the manufacturer or any legal obligation from, or claim on the manufacturer.