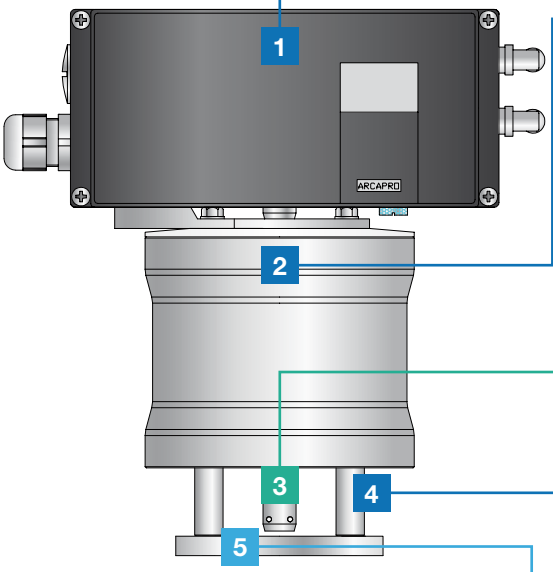
von Rohr
Armaturen AG

Series RMA-Actuator

Every component precisely matched



Multi-functional positioner

The ARCAPRO® digital positioner is a multi-functional interface with the controller or process control system and operates as standard with 4 to 20 mA. HART, Profibus (PA), and Foundation Fieldbus (FF) communication are used to establish a digital interface with bidirectional data exchange (including status messages). It can be parameterized on site or via the communications system. An open mechanical interface concept that our mother company ARCA helped elaborate complies with VDI/VDE 3847 and is used for mounting and mechanically connecting the positioner to the actuator. For more details about this see the von Rohr brochure ARCAPRO® positioner.

Powerful actuator

Our rolling diaphragm actuators are used to convert a pressure into a linear motion. They are used as actuators for On/Off, control valves, micro valves and many other applications. The actuators generate significant actuating forces with short positioning times and meet the requirements for explosion protection without additional effort. Different sizes, strokes and materials can be manufactured according to your requirements.

Coupling and spindle

The coupling connects the actuator stem to the valve spindle. Optionally we customize the right connection for you.

Pillars

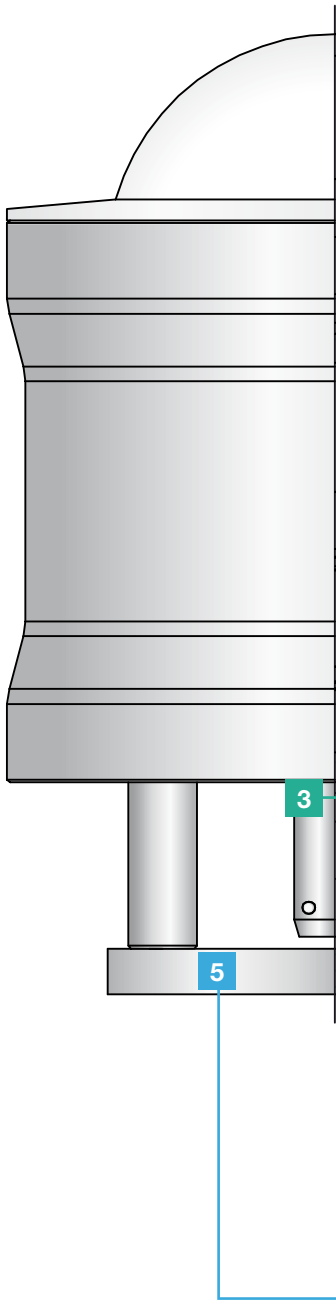
The pillar construction allows a flexible adaptation to your requirements. Pillar material, length and space can be adapted on request.

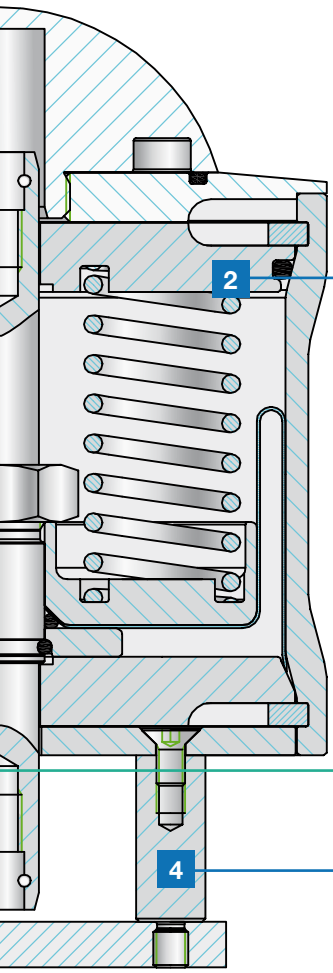
Traverse

The traverse is the connecting piece between actuator and valve.

Applications

- Micro valves
- Cryogenic valves
- Glass valves





Powerful actuator

- Actuator parts are made of stainless steel as standard, optional electropolished stainless steel available
- Depressurized, stem extended/retracted
- Spring configuration with two different forces
- Compact design, suited for micro valves

Spindle and coupling

- Stem in stainless steel as standard
- Available with internal thread or plug connection
- Stainless steel coupling, optional electropolished

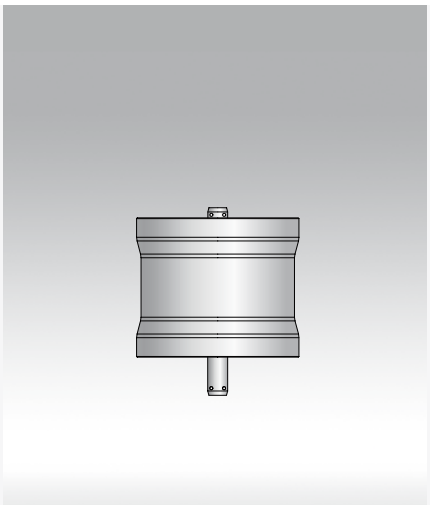
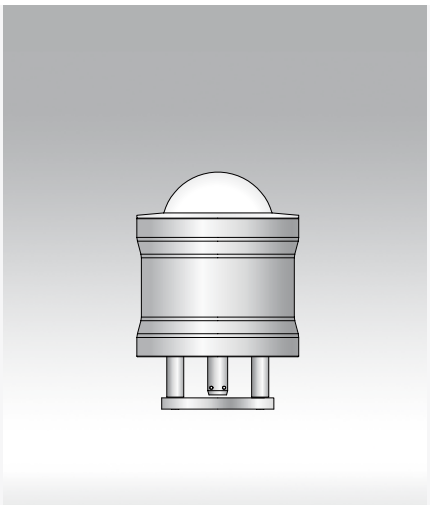
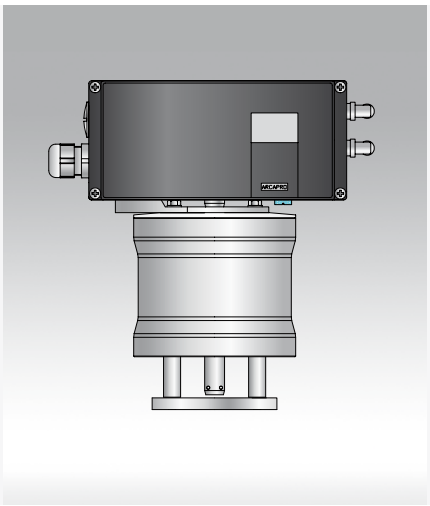
Pillars

- As standard without mounting parts
- Pillars made of stainless steel
- Pillar material, length and spacing available according to customer requirements

Traverse

- As standard in stainless steel, electropolished available
- Bolt circles freely selectable

Series RMA-Actuator

Basic version RMA10.11A…0	On/Off version RMA10.11A…AP	Version with positioner RMA10.11A…P
		

Features	Advantages
Industrial design	● Adapted to the needs of aseptic and sterile applications
Highly accurate stem guiding	● Low wear ● Long service life
Easy interchangeability of components	● Low operating expenses
Compact and robust design	● Saves installation space
High control accuracy	● Low rolling resistance throughout the stroke ● Constant effective surface
Direction of action	● By reversing the actuator, the safety position can be changed from normally open to normally closed

von Rohr Armaturen AG

Series RMA-Actuator

General data	
Series	RMA10
Max. stroke	20 mm
Diaphragm surface	68 cm^2
Max. number of springs	4
Max. force by springs	2.2 kN
Max. force by air	2.3 kN
Max. air supply	6 bar
Operating temperature	–20° to 80°C

von Rohr Armaturen AG • Member of the ARCA FLOW Group
Fichtenhagstrasse 4 • CH-4132 Muttenz • Tel. +41 (0)61 467 91 20 • Fax +41 (0)61 467 91 21 • info@von-rohr.ch • www.von-rohr.ch