

coax[®] Valve Technology For Your Application



coax[®] EXTREM
Adaptable

coaxial VALVES
Offer Significant
Advantages

**QUALITY &
CERTIFICATES**
Accurate, Specific, and
of Highest Quality

coax[®] INDUSTRIES
At a glance

EXTREM

Adaptable



PRESSURE RANGE

0–1,000 bar

TEMPERATURE

-196 °C to +400 °C

NOMINAL RANGE

1–250mm

MEDIUM

Gaseous, liquid, gelatinous...

Kv VALUE

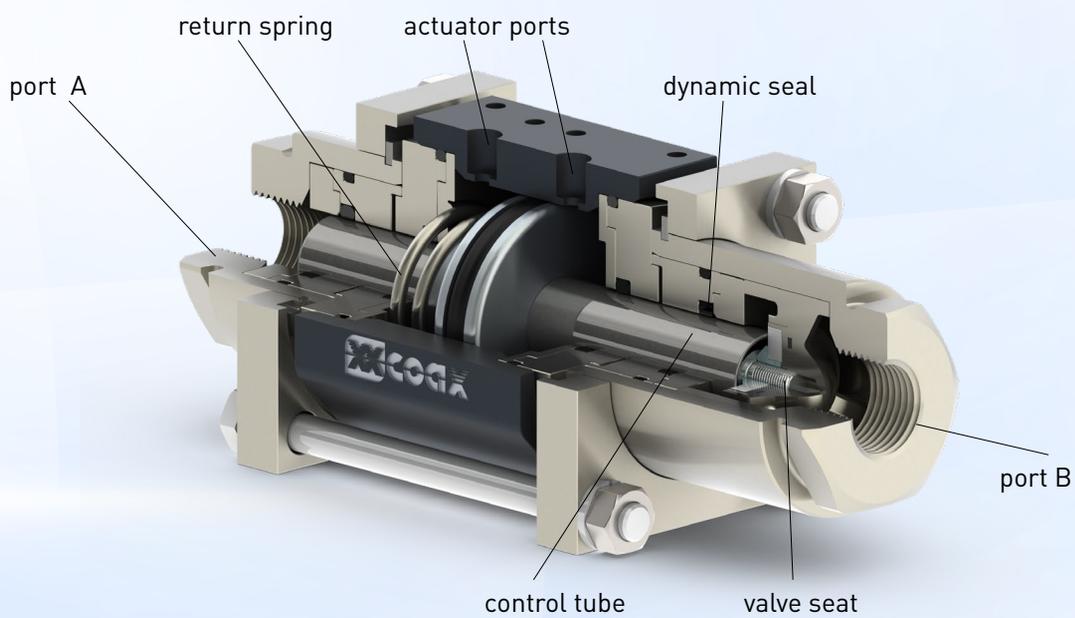
0.06–650 m³/h



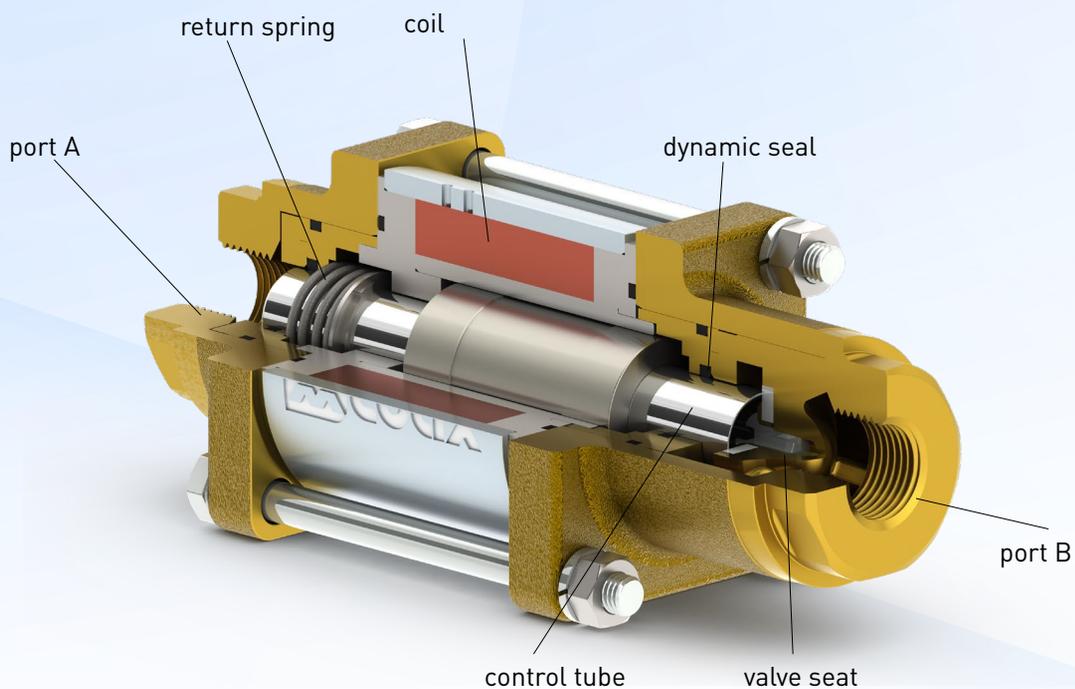
PRODUCTS

- coaxial valves
- Certified valves
- Cartridge valves
- Lateral valves
- High-pressure valves
- Modules and manifold
- Pressure regulating valves
- Position control valves
- Special valves

Externally controlled valve



Direct-acting valve



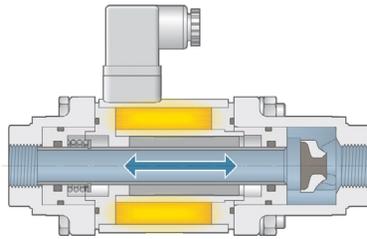
coaxial Valves

Offer Significant Advantages



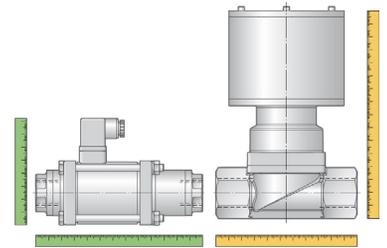
• Bidirectional flow

The valve design allows the medium to flow through in both directions, eliminating the need for multiple valves.



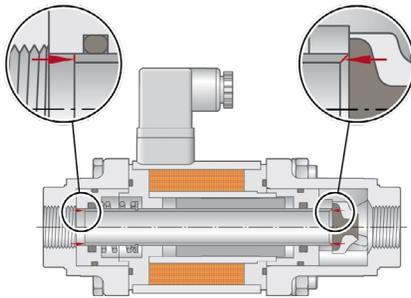
• Compact size

The coaxial valve design provides a compact package by eliminating bulky actuators.



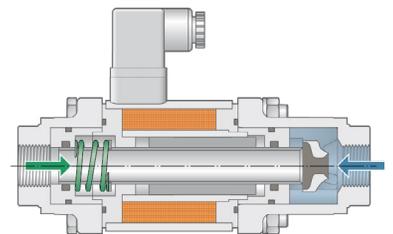
• Pressure-balanced /operating from 0 bar

The coaxial design keeps forces within the valve balanced regardless of system pressure and delta P. Whether controlling vacuum or high pressure - performance remains precise and dependable. Unlike conventional valves, coaxial valves require no minimum pressure differential in order to function.



• Back pressure tight

When the valve is closed, the pressure at the outlet side can be higher without any leakage.



Further advantages:

- **Dirt-resistant**
- **Short switching cycles in the range of milliseconds**

QUALITY & CERTIFICATES

Accurate, Specific, and of Highest Quality



100% quality control = 100% reliability

The valves are subjected to a 100% test in our in-house test laboratory. Our products are extremely reliable thanks to the use of high-quality materials and state-of-the-art technology. We have a comprehensive quality management system, which is confirmed by numerous system certificates.

Furthermore, numerous product certifications validate the reliability of our valves. Depending on the variant, coax® valves have various type approvals, including explosion protection certifications according to ATEX and IECEx, approvals as shut-off or relief valves with safety function, and proof in the area of functional safety. On request, our valves can be approved by the ship classification society DNV-GL, LR, BV, ABS, RINA, or CCS.

› DIN EN ISO 9001:2015



› DGRL 2014/68/EU



› ATEX Directive 2014/34/EU – explosion-protected Ex category 1, 2, and 3 devices



› IECEx – explosion-protected equipment of Ex category 1, 2, and 3



› Certified welding operation according to AD 2000-Fact sheet HP0, DIN EN ISO 3834-2 and DIN EN ISO 13445



› IEC 61508 - Functional Safety (SIL)



› UL 429:2013/R:2020-01 and CSA C22.2 No. 139:19



› EU type (Module B) according to Directive 2014/68/EU – Series of automatic shut-off valves for gaseous fuels as equipment with a safety function. Test basis DIN EN 16678:2024-02

› EU type (Module B) according to Directive 2014/68/EU – Series of safety shut-off valves for liquid fuels as equipment with a safety function. Test basis: DIN EN ISO 23553-1:2022-12, E DIN 32725:1993-03

coax[®] INDUSTRIES

At a glance



The two things we have perfected over the years and which offer real added value:

Unique valve design

As the inventor and market leader of the coaxial valve, our goal is to remain at the top.

Selection of materials and options

Our wide range of accessories makes us extremely flexible. Depending on the application, valve adjustments are quick and easy to implement. In addition to the coaxial valve, we offer many other valve types and series. Our flexibility means we can offer tailor-made solutions to different customer groups. This is demonstrated by our wide range of valves, which currently includes over >60,000 variants.

We believe that constantly expanding and optimizing our portfolio is essential to meeting current and future customer and market requirements. Expertise, decades of experience and competent advice, makes us a strong partner in many markets.



SCAN
FOR
MORE

Mechanical and plant engineering



Marine



Chemical industry



Energy



Oil and gas



Construction industry and transport



Aerospace



Hydrogen



müller co-ax gmbh

Your Competent Partner Worldwide

Around
350
employees

44
countries

8
subsidiaries

30+
sales partners

Production
and development in
**Forchten-
berg**

müller co-ax gmbh is a leading valve manufacturer and worldwide market leader in the field of coaxial valve technology and high-pressure armatures.

Made in Germany – Developed and produced at our headquarters in Forchtenberg, our valves are used by customers from a wide range of industries around the world. Through customization, customer orientation, and over 60 years of expertise in the industry, müller coax is a valve manufacturer that meets new challenges head-on and develops tailor-made solutions.



www.co-ax.com

Our sales experts

Experience customer proximity

With a worldwide network of sales partners, we are always close to our customers and are familiar with their markets and requirements.

To understand exactly what matters most to you, our sales experts work in close cooperation with you. This allows us to always have a clear picture of your needs. And you can rest assured that you get exactly what's needed.

müller co-ax gmbh
Friedrich-Müller-Straße 1
74670 Forchtenberg
Germany
Phone: +49 7947 828-0
info@co-ax.com