

CT

Profiled Ring Valve

Production processes are networks.

Success requires that people and machines work together in unison.

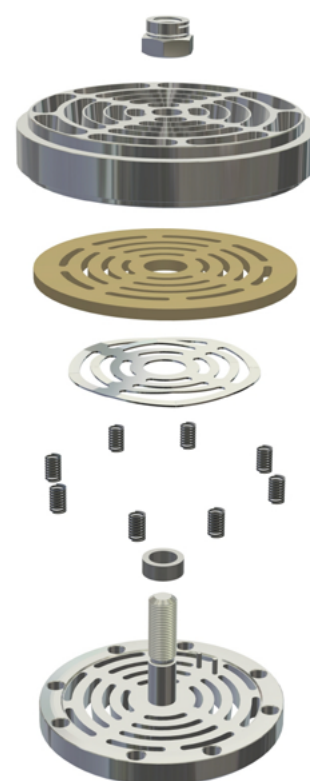
Anyone who is integrated into the day-to-day production process interacts with technology, knows the pulse of the machines, their language, as well as their requirements and needs. Products made by HOERBIGER are more than state-of-the-art. As a HOERBIGER customer, you have the technological edge that allows you to always stay several steps ahead of the market. Efficiency, precision and durability are a part of HOERBIGER products, just as reliability and flexibility are hallmarks of HOERBIGER services. HOERBIGER Experience is the ideal approach when it comes to a reliable, long-lasting partnership on an equal footing.

The advantages of the CT valve at a glance:

- Excellent flow efficiency for low power consumption
- Long life even in difficult and contaminated conditions
- Best suited for changing operating conditions
- Proven in lubricated and non-lubricated operation
- Resistant to gas impurities and oil sticktion
- High operating temperatures

The CT valve has been developed to minimize oil sticktion while providing maximum efficiency

More than 1.000.000 CT valves are operating successfully in natural gas and process industry.



Tehchnical data of the CT valve

Compressor speed	1800 rpm maximum
Capacity control	On/Off, HydroCOM
Lubrication	Lube and non-lube
Maximum pressure	350 bar
Pressure differential	150 bar
Max. operating temperature	230°C
Valve type diameter	77 mm – 221 mm

Reliable performance for over 25 years

The HOERBIGER CT valve is suitable for virtually all applications that employ short-stroke, high-speed gas compressors. Millions of CT valves are operating successfully in the natural gas processing industry. Its plate type valve design is optimised to utilize the

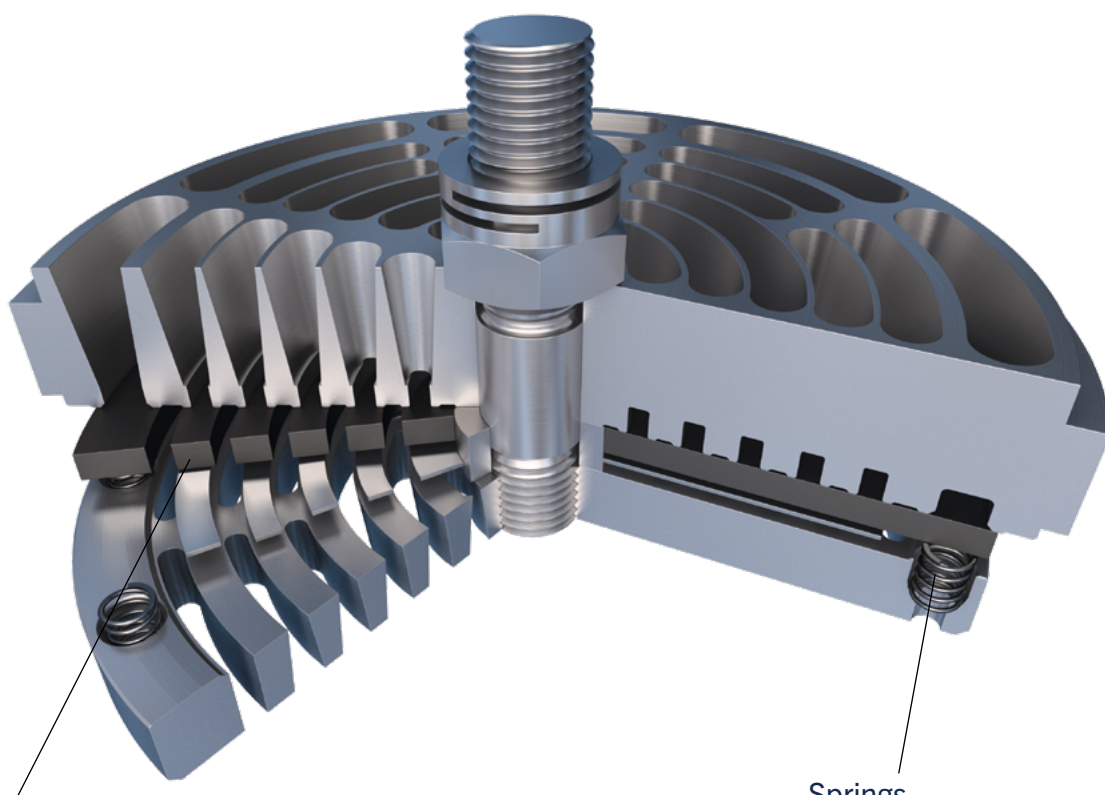
properties of non-metallic valve plates and has proven its performance for years. The single moving sealing element of the CT valve allows easy maintenance (field repairable).

This is how the CT valve works

- The plastic valve plate, in conjunction with a wafer spring, dampens the opening impact.
- At high rotational speeds, the wafer spring prevents oil sticktion of the valve plate.
- Closing springs on the outside guarantee largely wobble-free valve plate movement and consequently long valve service life.

Why HOERBIGER CT valve?

- The CT valve proves operational excellence even in heavy duty upstream natural gas applications.
- Plate design and spring arrangement result in unique and smooth valve motion even in high-speed, lubricated service.
- Properly selected valve materials ensure safe operation even in sour environment.



Non-metallic valve plate

made out of HOERBIGER MT-grade or PEEK material. Valve plate and wafer spring dampen the opening impact and prevent oil sticktion.

Springs

Unique peripheral spring arrangement prevents valve plate tumbling and dampens impact - this significantly contributes to the CT valve



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today!



Contact us for
more information!

Locally close to our customers – globally successful: HOERBIGER is active worldwide in 40 countries on all continents, with 6,477 employees at 130 locations – including 30 production plants – delivering reliable solutions for better performance, increased safety, and fewer emissions. In 2024, we generated sales of 1.466 billion Euros. For customers from the energy sector, the process industry, the automotive industry, the mechanical engineering industry, safety technology, and the electronics industry, HOERBIGER offers performance-defining products, and services that make the difference. With innovations for decarbonization and energy transition, HOERBIGER is already enabling change today for a better tomorrow. As majority shareholder, the HOERBIGER Foundation preserves the 130-year-old entrepreneurial heritage and guarantees stability, independence, and a future-oriented strategy.

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