

EXCITE

THE HOERBIGER PIONEER CLASS



HPV valve

The performance valve for small compressors at high pressures



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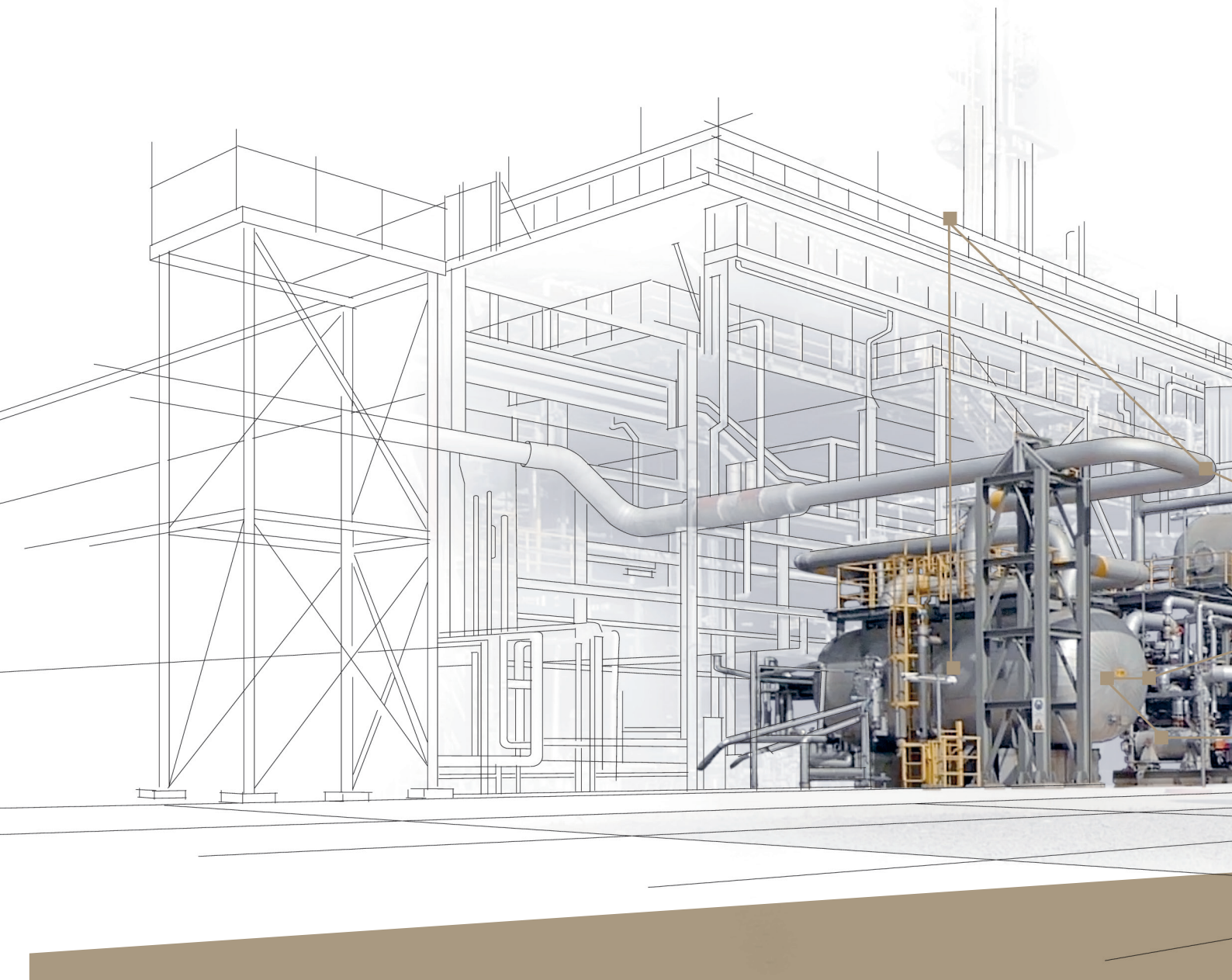

HOERBIGER
because performance counts

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Managing does not imply doing it alone. Rather, it means knowing whom to entrust with important tasks.

Those with an overwhelming concern for detail run the risk of losing sight of the big picture. This does not imply that minor details are insignificant. Successful management, however, requires delegating tasks to experts. As a customer, you develop integrated solutions jointly with HOERBIGER. Technology and service complement each other, forming a comprehensive package that meets the needs and challenges of modern companies. This includes, above all, avoiding downtime, costly production losses, and knock-on problems for other parts of the manufacturing operation. You decide individually in favor of tailor-made HOERBIGER warranty versions and service options. This makes HOERBIGER Excite the ideal approach to critical, sensitive, and challenging business situations.





“In general, it is not management’s objective to question the why and the how, but to see to it that a task is resolved. Being aware of this need, HOERBIGER works with leading industrial enterprises worldwide in perfect symbiosis – partnerships that value and trust in the expertise of the other party in its field.”

Precise: optimized performance

Sustainable: use of savings potential

Quick: Return on Investment



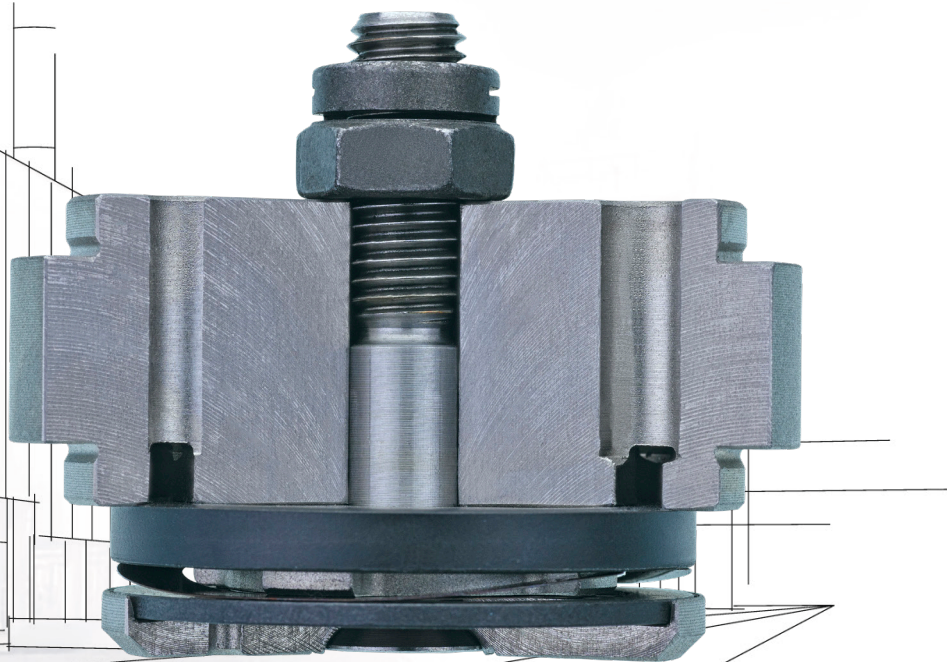
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Meeting the challenges of high-pressure applications requires thinking a step ahead. HOERBIGER HPV valves make this possible.

Compressor designs that are characterized by compact construction, a high degree of standardisation and high numbers demand in spite of their small construction, valves that offer long service life and high efficiency. HPV valves live up to these demands.



HOERBIGER HPV valves offer long service life and high efficiency:

Diaphragm compressors and small reciprocating compressors require compact valves that are reliable and efficient – demands that are met by HOERBIGER HPV valves.

HOERBIGER HPV valves are characterized by low clearance volume and an economic design.

At the same time, like all HOERBIGER valves, they must achieve maximum efficiency and service life.

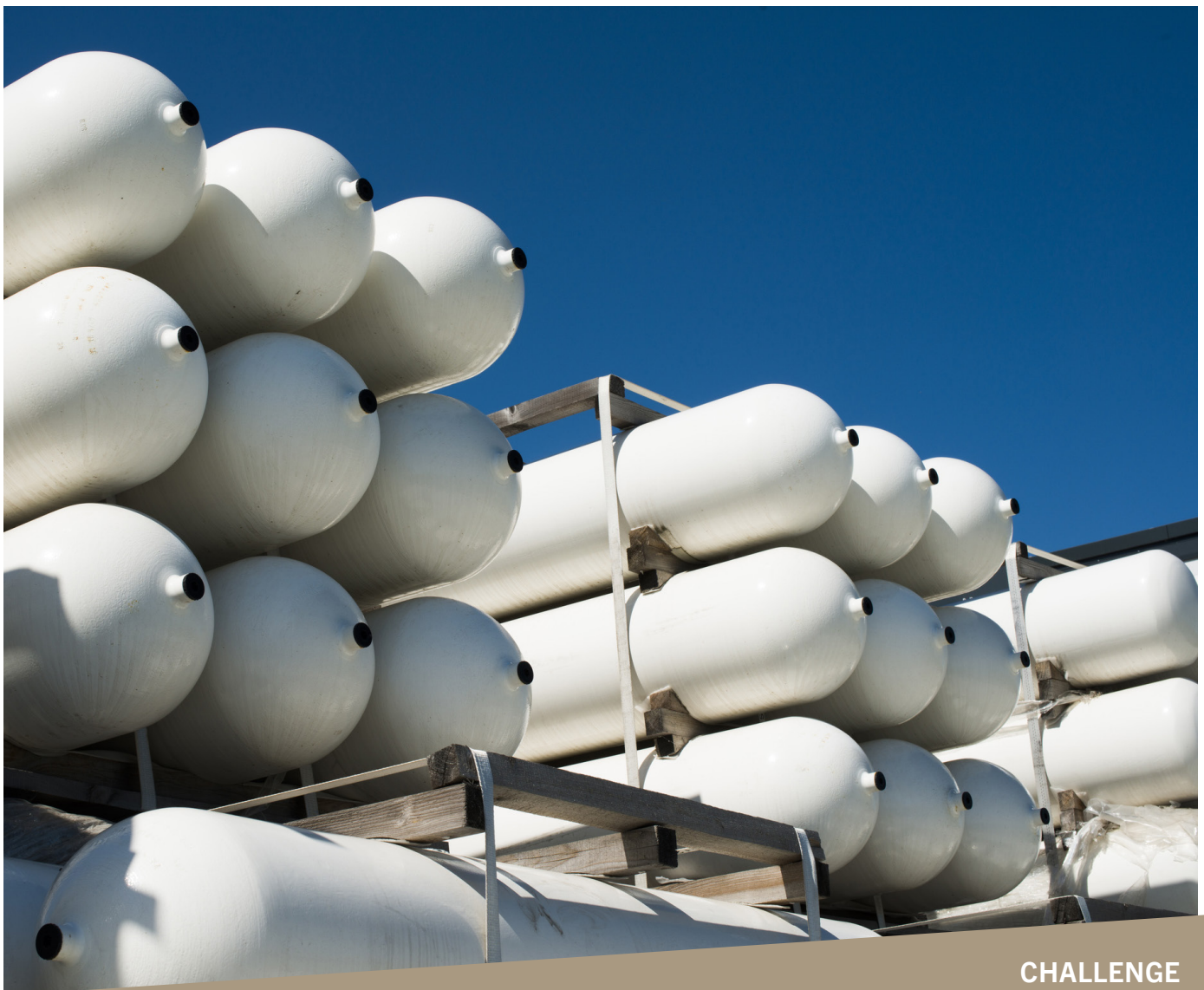
HPV valves support maximum pressures and difficult conditions

The profiled valve ring from strong carbon-filled PEEK stands out with its extreme temperature resistance and superior damping properties.

With its single valve ring made from a composite material the HPV valve withstands high temperatures and impacts. With a contoured seat HOERBIGER offers innovation for highest efficiency.

The HPV valve meets the challenges of high-pressure applications.

The HPV valve from HOERBIGER is specially designed to cope with medium and high pressures in confined mounting spaces. High pressures, operation without added lubrication or high temperatures do not impair the function of the HPV valve.



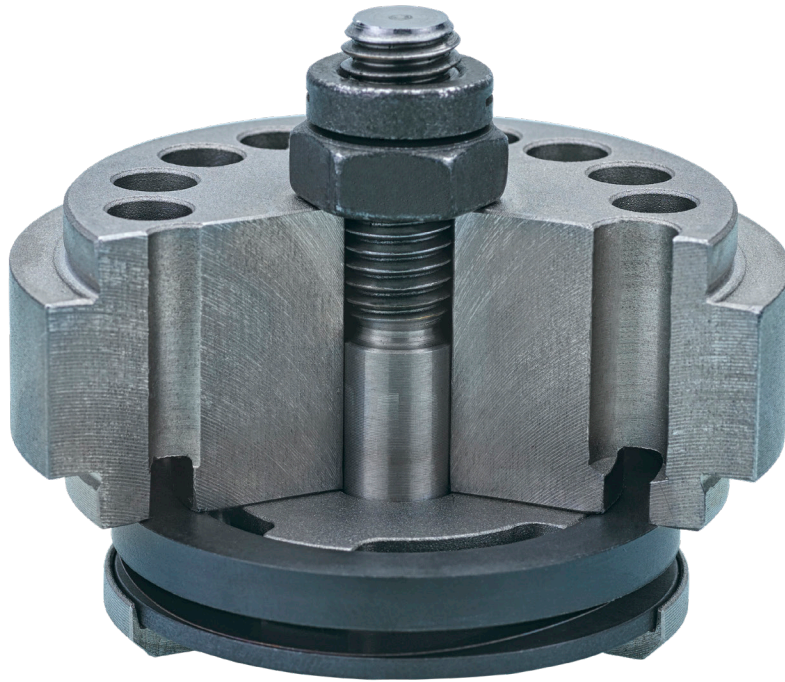
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HPV valve at a glance:

A valve that redefines reliability and efficiency for small compressors at high pressures and high temperatures.



Highest reliability

- Resistant to high temperatures
- Excellent field experience with over 50 installations worldwide
- Temperature resistant up to 300°C (572°F)

Highest efficiency

- Reduced compressor footprint and improved package cost-effectiveness
- Low flow losses
- Profiled ring and contoured seat for an optimized flow-geometry

Cost-effective operation and easy maintenance

- Suitable for medium and high pressure applications in small compressors
- Wide range of uses

Technical data of the HPV valve

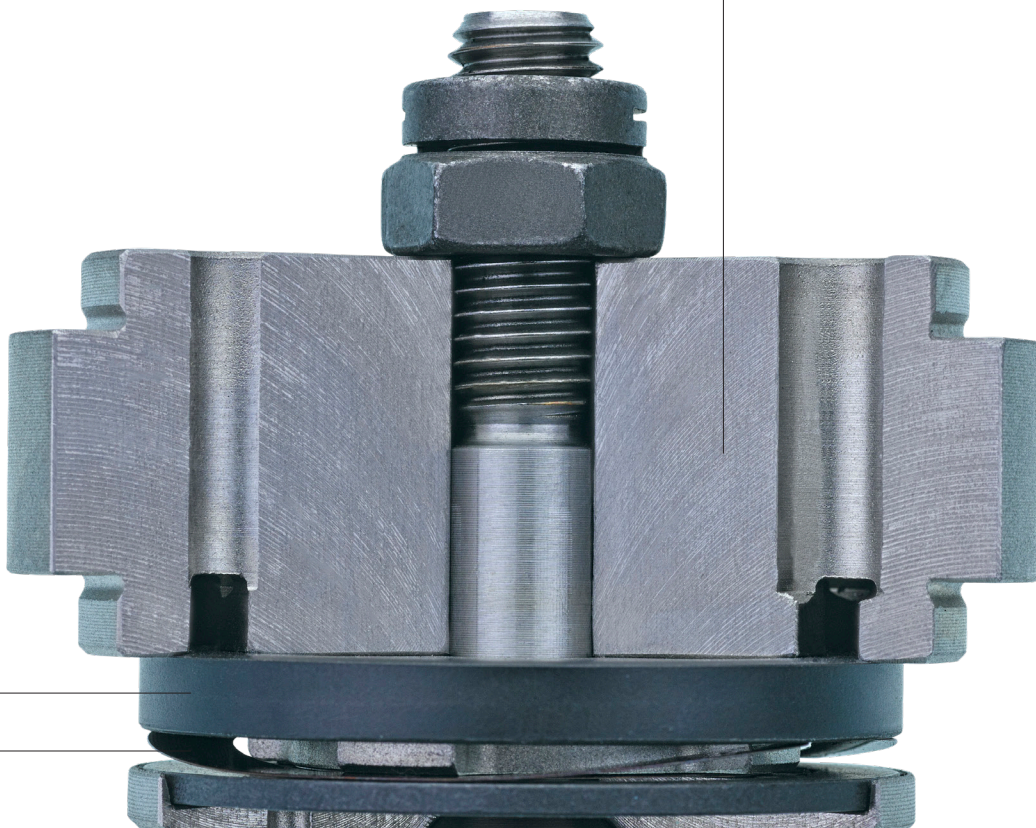
Compressor speed:	1800 rpm maximum
Maximum pressure:	800 bar
Differential pressure:	400 bar
Temperature range:	-20°C (-4°F) to +300°C (+575°F) maximum
Valve type diameter:	19 mm (¾inch) to 57 mm (2¼inch)

When mounting space is limited

The HPV valve uses a proven combination of profiled ring and contoured seat for an optimized flow-geometry to increase efficiency.

Valve ring: Made from strong carbon-filled PEEK for temperatures up to 300°C (575°F).

Material selection: Material selection for the pressure-resistant seats according to application.



Spring plate: Proven spring plate concept copes with the demanding requirements in high speed and high pressure applications.

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HOERBIGER is active throughout the world as a leading player in the fields of compression technology, drive technology and hydraulics. In 2017, its 7,300 employees achieved sales of 1.173 billion euros. The HOERBIGER brand is synonymous with components and services providing high customer value in compressors, industrial engines and turbines, automotive drivetrains, and multifaceted mechanical engineering applications. HOERBIGER industrial safety and explosion mitigation solutions save lives and equipment. We set standards.

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