

EXCITE

THE HOERBIGER PIONEER CLASS



XP valve

Your equipment booster



CHALLENGE
YOUR
HORIZON

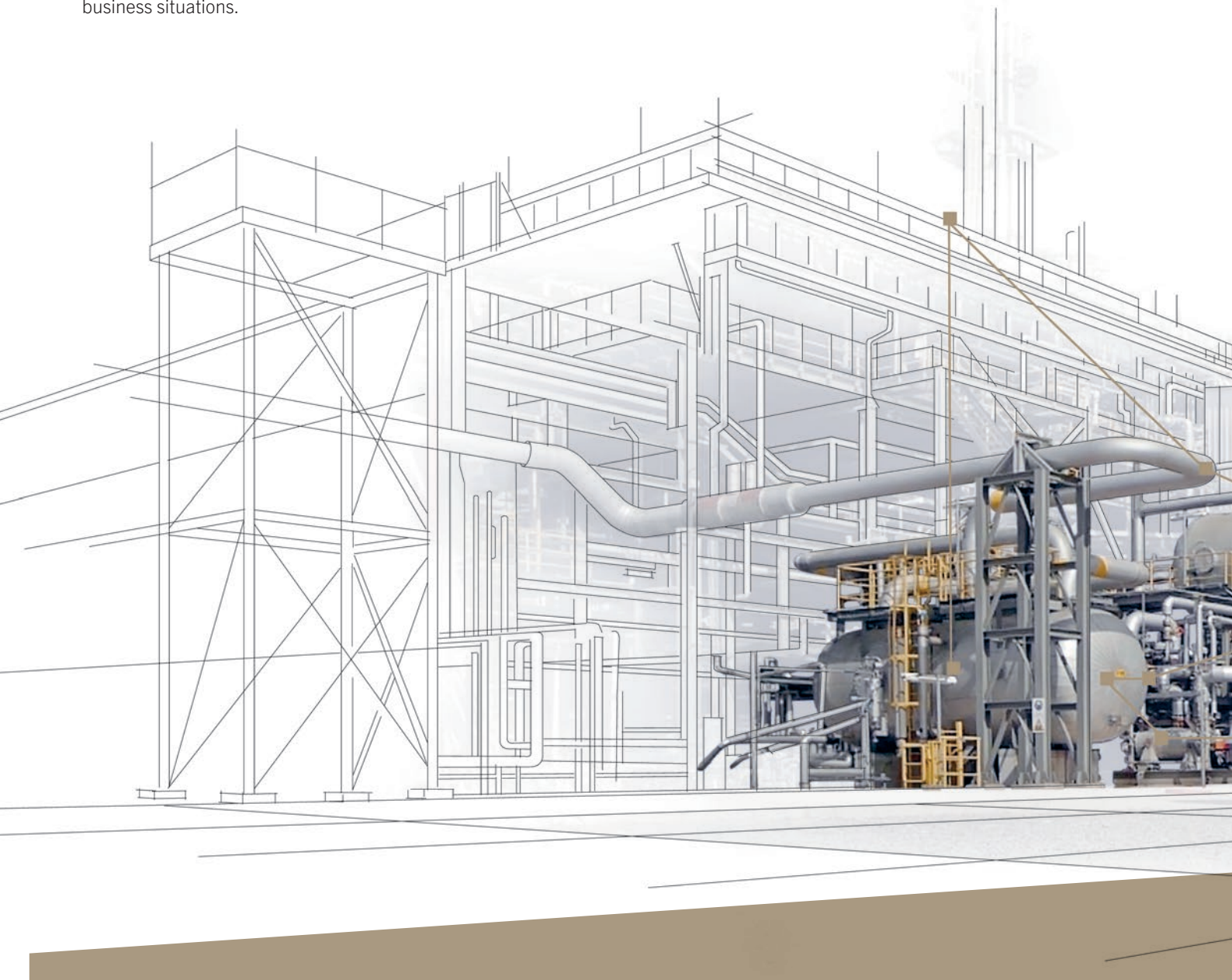

HOERBIGER
because performance counts

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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, becomes manifest in the delegation of 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.



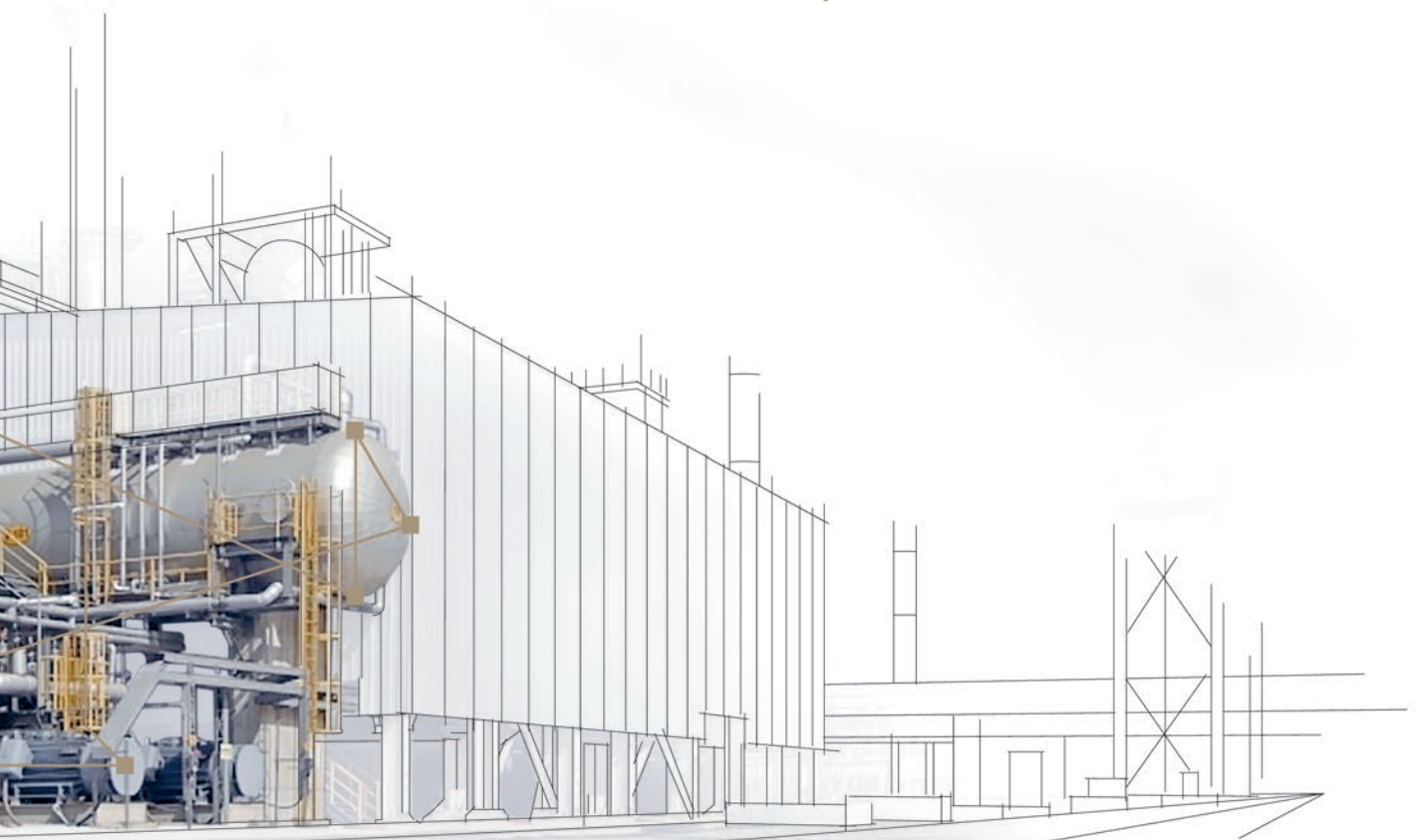


„In general, it is not management’s objective to question the why and the how, but to see to it that a task is resolved. Being aware of this need, HOERBIGER works with leading industrial enterprises worldwide in a perfect symbiosis— in partnerships that value and trust in the expertise of the other party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

Precise: optimized performance

Sustainable: use of savings potential

Quick: Return on Investment



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When conventional compressor design cannot meet your requirements, think a step ahead. HOERBIGER XP valve

The valve is the heart of the compressor: the power regulator for overall compressor efficiency. Those who understand how to tune this regulator can boost the efficiency of their compressors. HOERBIGER XP valves are the tools you need for the job. When it comes to optimizing compressor performance, efficiency increases rank top of the list. The desire for greater performance at lower cost leads to new avenues in compressor design: compact units with fewer cylinders and fewer valves.



Only XP valves can reliably meet these expectations.

Compact compressor design poses new challenges to the durability of valves.

The XP valve is a profiled plate valve combining the advantages of ring and plate valves.

As a result it offers high efficiency, along with exceptional reliability.

XP valves provide maximum efficiency, despite minimal lift, and excellent closing properties.

HOERBIGER created its innovative PowerPEEK™ material especially to bring robustness and durability to the XP valve.

As a result, the XP valve sets itself apart with extended service intervals and reduced downtime due to valve failure.

With XP valves, you are always a step ahead.

Efficiency, reliability, service life and energy savings are the indicators that give you an edge in the market. XP valves make this edge possible. This is why HOERBIGER is an innovation partner for innovative companies.



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XP valve at a glance:

“The lower flow losses offered by this valve reduce heating and so allow the minimum turndown to be reduced to less than 10%.”

Austrian Natural Gas company



Highest reliability

- PowerPEEK™ offers six times the lifetime of an industry-standard PEEK
- Prevents downtime due to valve failure
- Unique plate design allows the use of larger and more robust springs

Highest efficiency

- Reduced compressor footprint and improved package cost-effectiveness
- Highest savings in energy and operating costs
- Best valve efficiency to valve lift ratio

Cost-effective operation and easy maintenance

- Improved inventory management due to a high degree of standardization
- Runtime of up to 2 years without maintenance
- Reliable flow control in combination with proven HOERBIGER solutions (eHydroCOM, HydroCOM)

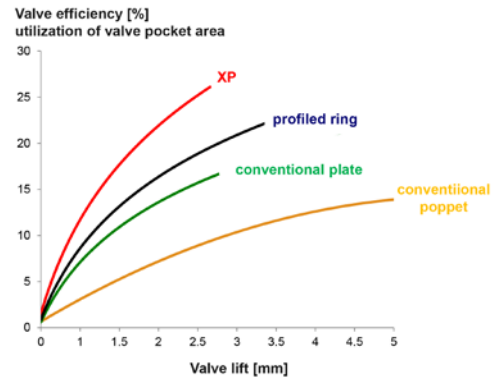
Technical data of the XP valve

Compressor speed:	1,500 rpm maximum
Capacity control:	On/Off, HydroCOM, eHydroCOM
Lubrication:	Lube and non-lube
Maximum pressure:	300 bar
Pressure differential:	200 bar
Temperature range:	-50°C to 220°C
Valve type diameter:	86–261 mm

The new class of valves:
A valve which combines exceptional efficiency with outstanding reliability.

A lower valve lift gives higher reliability and longer life. The XP valve breaks this paradigm by providing the same efficiency as conventional valves but at lower valve lift.

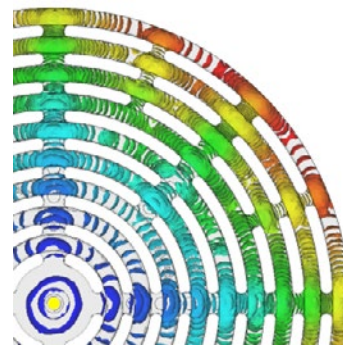
HOERBIGER valves have the best ratio of valve efficiency to valve lift. Based on a conventional valve lift of 2.5 mm, XP valves set the market benchmark with a valve pocket area utilization of 25%.



PowerPEEK™:
High-performance valve plate material for challenging conditions

The unique plate design of the XP valve allows the use of larger and more robust springs in the plate net section. This allows the design of a finer-meshed ring section, which increases the effective flow area and consequently the efficiency of the XP valve. The aerodynamic “rings” create less pressure drop than plate valves, and have the ability to pass small amounts of liquid and debris.

Additionally PowerPEEK™ plates offer an optimized distribution of reinforcing fibers and therefore less wear less in operation.



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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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