

EXPERIENCE

THE HOERBIGER ADVANCED CLASS



HydroCOM

Experience real capacity control and energy savings



**YOUR
PROVEN
SOLUTION**


HOERBIGER
because performance counts

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Production processes are networks. Success requires that people and machines work together in unison.

Anyone involved with day-to-day production interacts with technology, knows the pulse of the machines, their language, 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 let you 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.



Stepless capacity control

Only a stepless capacity control system is truly efficient when you need to match the output of your reciprocating compressor to your process demand.

In high-value processes, a small difference can have a big impact – not just in terms of energy efficiency, but also with increasingly

stringent environmental regulations in mind.

Conventional capacity control systems are often imprecise, only approximately matching the necessary throughput.

HydroCOM is a true stepless capacity control system.

This is how the HydroCOM system works

- Reverse-flow control allows HydroCOM actuators to provide a wide range of stepless control: from (0...) 10^* ...100%.
- HydroCOM is extremely fast and precise. It can accommodate load changes within just three crankshaft revolutions.
- HydroCOM allows automatic control, thanks to its interface with the process control system or process controller.

Why HydroCOM?

- Proven and reliable. More than 1400 installations.
- Highest savings in energy and operating costs.
- Versatility:
Almost any reciprocating compressor can be equipped or retrofitted with the HOERBIGER HydroCOM system.

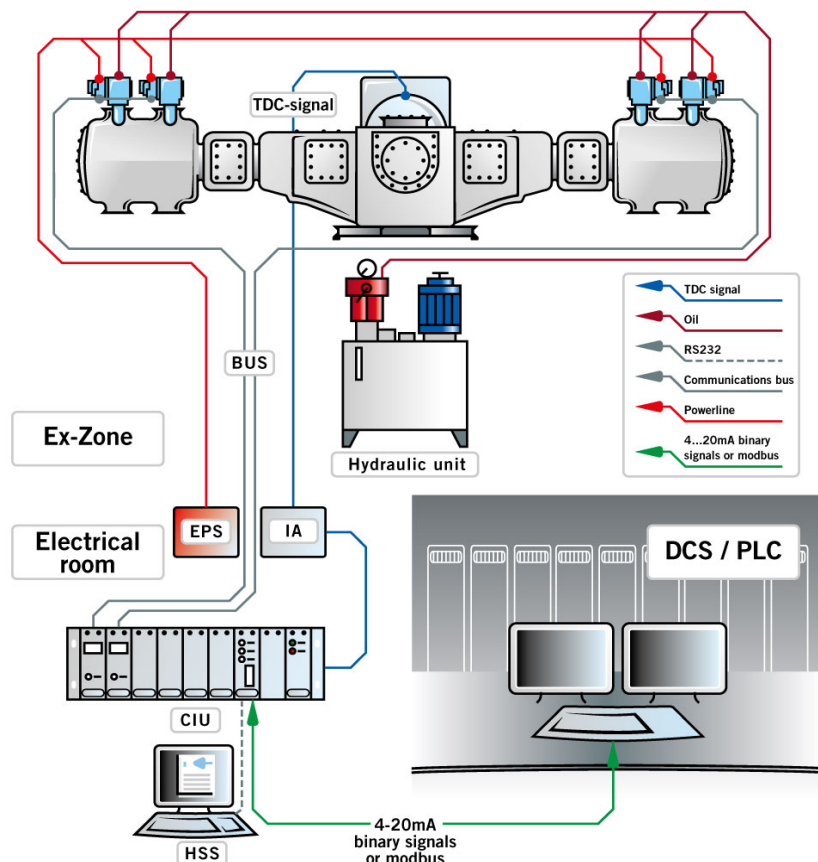
* depends on application

Modular system design

Due to its modular design HydroCOM is easy to integrate into both existing and new compressor installations. Process control tasks are implemented in a DCS or a loop controller. In a control panel the HydroCOM "Compressor Interface Unit" (CIU) carries out data exchange between DCS and HydroCOM.

Monitoring with HydroCOM

Embedded temperature monitoring of suction valve covers allows insight into compressor conditions such as leaking valves.



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The benefits of HydroCOM at a glance:

- Reduce energy and CO₂ emission costs
- Reduces capital costs for efficient, multistage compressors
- Control capacity with fast, stepless precision from (0...) 10^* ...100%
- Stabilize line conditions under dynamic control
- Standardised components for highest reliability
- Integrate easily into your plant control system
- Upgrade your existing compressors easily

*depends on application



More than 1400 HydroCOMs have been successfully installed – benefit from our experience!

Technical data of HydroCOM

Control range:	(0...) 10^* ...100%
Max. compressor speed:	1200 rpm
Suited for corrosive environment:	yes
Suited for non-lube applications:	yes
Ex-certification:	EU (ATEX), US (FM), Canada (CSA), Japan (TIS), Russia (TR), Korea (KOSHA), Brazil (INMETRO)

*depends on application

www.hoerbiger.com

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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