

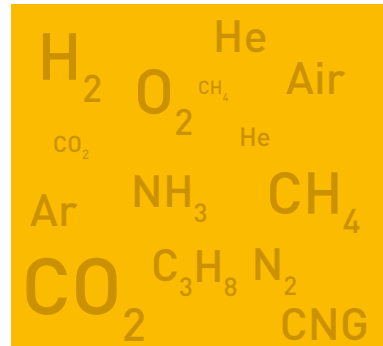
aerospace
 climate control
 electromechanical
filtration
 fluid & gas handling
 hydraulics
 pneumatics
 process control
 sealing & shielding



Treatment

Natural gases / Industrial gases

Medical air / Laboratory air



ENGINEERING YOUR SUCCESS.

Applications

No other filter manufacturer offers as many solutions as Parker.

You'll find your applications at Parker Hiross Zander!

Put your trust in the expertise and experience of an entire group of companies: for decades Parker Hiross Zander has been the company of choice for premium solutions in compressed air and gas treatment. What is more, Parker Hiross Zander can equally draw on the knowledge and expertise of many centres of excellence within the global Parker group to provide a range of products ideally matched to your application.

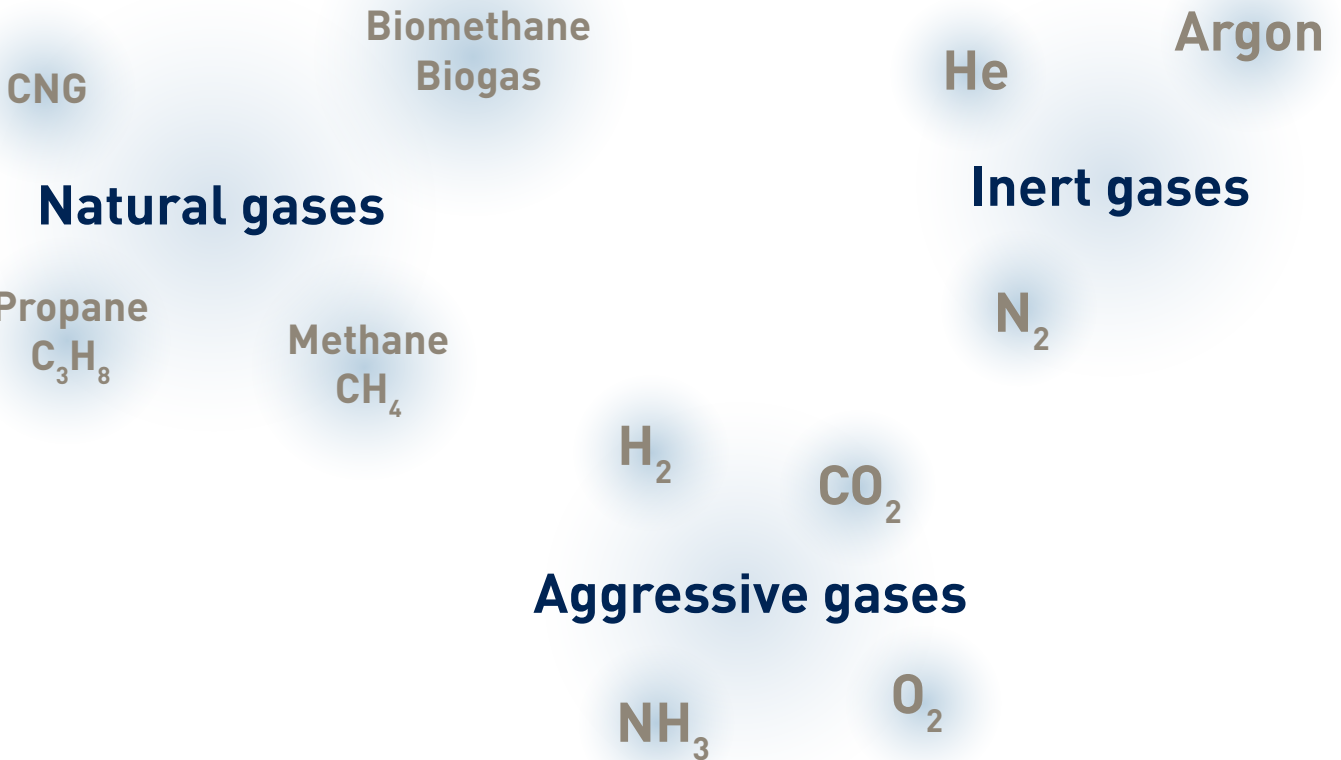
Parker Hiross Zander has the made-to-measure solution for your problem - with first-class quality and global availability. Talk to the experts! **What can we do for you?**

Marine / Offshore
Storage
Metallurgy
Chemical plants
Refineries

Electronics
Laser technology
Vulcanisation
Turbines
Industrial pneumatics

Hospital
Laboratory
Pharmaceutics
Biotechnology
Food

Breathing air (DIN EN 12021)
Medical air (Ph. Eur.)
Helium recovery
Biogas
Siloxane removal



| | | | | | | | |
|---|--|---------------------------------|--|--|--|----------------|--|
| <p>TUV NORD CERTIFICATE DIN EN ISO 9001 : 2008 DIN EN ISO 14001 : 2009</p> | INTERNATIONAL QUALITY ASSURANCE CERTIFICATES | | | | <p>bcas BRITISH COMPRESSED AIR SOCIETY LIMITED</p> | <p>pneurop</p> | <p>Member of EBA European Biogas Association</p> |
| | | <p>Lloyd's Register CRD</p> | <p>ASME VIII National Board AS1210</p> | | | | |

Treatment

Natural gases / Industrial gases / Medical air / Laboratory air

You have the application - Parker Hiross Zander has the treatment solutions for fuel gases, industrial gases, technical gases, special gases and laboratory air.

Look around - you'll end up coming to us!

This overview gives only a selection of typical applications for purification systems such as gas and biogas cleaning, medical air generation, condensate drainage and the post-cleaning of ultra-pure laboratory gases in research and medicine.





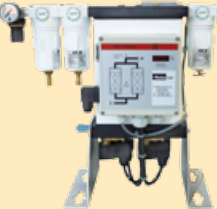


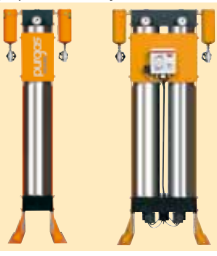






Defined levels of purity are required when air or other gases are used industrially or

medically. Parker Hiross Zander has the solution, irrespective of whether a gas contains excessive impurities or an ultra-pure gas is contaminated by impurities in piping systems. The Parker group even has the solutions if you wish to produce nitrogen in-house from air.

Choosing Parker Hiross Zander gas treatment systems makes it possible to improve

process protection efficiency and provide optimal process protection. The treatment of such a diverse range of gases, some of which are volatile and/or aggressive is a highly specialised application which draws on the significant engineering know-how and experience of the Parker group to provide a dedicated range of world-class gas treatment products.

We have the solutions - You have the choice

| | | | | |
|---|---|---|---|---|
| <p>Hyperchill chiller unit</p>  | <p>Hypercool heat exchanger</p>  | <p>Hypersep water separator</p>  | <p>Hyperdrain condensate drain</p>  | <p>K-MT Lab CO₂ free air generator</p>  |
| <p>Chiller output 5 - 360 kW, special coating for corrosive environments depending on the operating temperatures</p> | <p>Gas 120 - 2800 m³/h, DN 125 - DN 600 Water supply 1" - DN 100 Stainless steel Spiral pipes with improved heat exchanger capacity</p> | <p>120 - 2800 m³/h, DN 125 - DN 600 stainless steel, excellent separation capacity with minimal pressure losses, low-maintenance</p> | <p>Gas volumes up to 6500 m³/h, 1 bar gas loss-free condensation drainage, no electrical connections, special coating</p> | <p>Continuously generates pure CO₂-free air uninterruptedly, thereby replacing expensive gas cylinders. 4 to 10 bar</p> |
| <p>"purgas" dryer STV adsorption dryer</p>  | <p>"purgas" dryer HDAM high pressure dryer</p>  | <p>"purgas" dryer HDAME high pressure dryer</p>  | <p>Gas dryer series W twin tower dryer</p>  | <p>„breathing star" BSP-MT breathing and medical air</p>  |
| <p>Efficient operation, thanks to maximum loading time. Also suitable for low pressure applications. PN16</p> | <p>For the high-pressure side of a compressor station. PN100, PN250 and PN350</p> | <p>With chemical resistance to aggressive gases. Also suitable for use as a regenerative dryer. Material: stainless steel. PN100, PN250 and PN350</p> | <p>Regenerative twin-tower adsorption gas dryer for natural gas/biogas, pressure dew point-controlled. 200 - 14500 Nm³/h ATEX version on demand</p> | <p>Generates breathing air from compressed air, also suitable for medical use in compliance with the Pharmacopoeia. Up to 16 bar</p> |
| <p>"purgas" TGA filter series aluminium filter housing</p>  | <p>"purgas" TGH filter series steel filter housing</p>  | <p>"purgas" TGS filter series flanged filter</p>  | <p>"purgas" TGE filter series stainless steel filter housing</p>  | <p>ED 2000 condensate drain</p>  |
| <p>For temperatures up to 120 °C. From PN 16 to PN 50</p> | <p>For temperatures up to 120 °C. From PN 100 to PN 350</p> | <p>For temperatures up to 120 °C. Corrosion protection on the inside. DN 50 to DN 200, PN 16</p> | <p>For temperatures up to 120 °C. G 3/4 to DN 100, PN 16</p> | <p>Electronic condensate drain up to 50 bar. CO₂-resistant version available up to 25 bar.</p> |

All purgas products are optionally available as an ATEX version.

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US Product Information Centre

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www.parker.com