

- > **CDAS** Clean Dry Air System
- > **OFAS** Oil Free Air System



> COMPRESSED AIR TREATMENT **REDEFINED** >



A detailed close-up photograph of industrial air treatment components. The image shows a grey metal manifold with several ports and two yellow plastic filter housings. Each housing has a grey cap with a black arrow indicating the flow direction. The background is a soft-focus view of more industrial equipment.

› EFFICIENCY REDEFINED ›

Compressed air treatment has moved on: The all-new Parker Zander range of integrated drying and filtration systems is packed with innovative technology and features; delivering 100% validated air quality and world-leading standards of efficiency – in a single package.

Specified with advanced filters that include the latest OIL-X technology, every detail of the new Parker Zander CDAS (Clean Dry Air System) and the Parker Zander OFAS (Oil Free Air System) has been considered to ensure efficient operation. It means maximum productivity, total peace of mind and increased economy for industrial users - all with the reassurance of Parker engineering excellence.



Parker Zander

**FOCUSED ON
ADSORPTION**

Parker domnick
hunter

**FOCUSED ON
FILTRATION AND
SEPARATION**



Confidence redefined

Both the CDAS and OFAS are third-party validated to ISO 8573-1 (OFAS offering class 0 for total oil). No other solution offers you comparable, proven performance. So when the pressure is on, and production is in full flow, you can be 100% confident of the compressed air quality delivered.

Economy redefined

A combination of energy saving technologies, significantly reduced service times and extended maintenance periods adds up to the lowest total cost of ownership of any high quality air treatment solution. It is an all-round package designed to deliver valuable operational savings over the long term.

Productivity redefined

Highest quality compressed air; greater simplicity in parts replacement and maintenance; maximum uptime, reduced cost, greater profitability: Parker has re-engineered compressed air drying and filtration from the ground up – redefining expectations of productivity in every sense.

- Advanced form and functionality: The next generation Parker product design rationale is based around user requirements - clear information, ease of maintenance, simple operation. Everything is beautifully uncomplicated.



 Parker Zander



CDAS HL
CLEAN DRY AIR SYSTEM

› AIR TREATMENT REDEFINED ›



Innovative engineering and technology, delivering unbeatable, third-party validated performance. Pure and simple.

The new Parker Zander CDAS and OFAS ranges are the result of a unique development and design programme, which emerged from extensive market research and customer feedback. This specialist programme aimed to set a new standard for the industry – improved efficiency and productivity across the board for users.

Validated performance

Combining sophisticated OIL-X filtration technology with an optimised drying system, the CDAS and OFAS are designed to deliver consistent high performance over an extended period. CDAS and OFAS use a specialist snowstorm filling process that maximises packing density, prevents channelling effects, ensures a consistent dewpoint and contributes to an extremely low differential pressure, while air quality is third-party validated to ISO 7183 and ISO 8573-1. So you can be completely confident of your compressed air quality.

Energy efficiency

Advanced energy-saving technology is built into every unit as standard. Unlike alternative solutions, there are no expensive add-ons required to ensure minimum energy usage, regardless of the demand on air supply. Together with advanced flow management and a unique filter media offering consistently low differential pressure, it means significantly reduced energy consumption and lower running costs.

Low maintenance, long life

Enhanced durability and low maintenance are fundamental to the design of the range. The pre-stressed desiccant is specified for high crush strength and chemical compatibility, and snowstorm filled cartridges eliminate channelling, attrition, and prematurely blocked outlet filters common to loose filled designs. Plus, with a corrosion protected filter housing, guaranteed for 10 years, it all means significantly enhanced uptime, maximum productivity and a longer operational life.

Lowest total cost of ownership

Reduced energy consumption, consistent performance, lower service and maintenance costs, reduced downtime and a host of 'built in' added value features – CDAS and OFAS are engineered to provide the lowest total cost of ownership of any air treatment systems.



‹ Parker Zander OFAS – Class 0 air

Parker Zander OFAS is third-party validated by Lloyds Register to provide ISO 8573-1 Class 0 with respect to total oil from both oil lubricated and oil free compressors, ensuring the highest quality air at the point of use for critical applications, at a fraction of the cost of a dedicated oil free compressor.

› ENGINEERING & SPECIFICATION REDEFINED ›

Parker Zander CDAS, focused on adsorption – feature-rich, user-orientated design for economy of investment and effort.

›1 Threaded top end-cap

Threaded end-cap removes the need for any specialist tooling and enables the straightforward, speedy replacement of the desiccant cartridge. It means considerably faster service, resulting in less downtime.

›2 Desiccant cartridge

Snowstorm filled cartridges provide consistent drying, regeneration and dewpoint without the channelling, attrition and blocked outlet filters seen on loose filled designs – ensuring reliable performance for longer.

›3 Pre-mounted filters

New series OIL-X filters are engineered to provide validated ISO 8573-1 performance – guaranteeing consistent air quality. They are also front mounted for ease of access and minimal disruption to your operation.

›4 HMI display screen

Prominent, large screen display, offering a wealth of clear, useable, real-time information including functionality, upcoming maintenance requirements and energy savings.

›5 Base plate

Designed for pallet trucks, allowing for easy, time-saving installation and movement around the site.



Parker Zander

**FOCUSED ON
ADSORPTION**

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CDAS HL
CLEAN DRY AIR SYSTEM



› ENGINEERING & SPECIFICATION REDEFINED ›

Parker Zander CDAS – advanced specification and integrated technology, generating efficiency from the inside out.

›1 Corrosion protected column

Extruded aluminium column, designed to ensure a long operational life. With a 10-year guarantee, for total peace of mind, and no downtime for checking or repair.

›2 High strength desiccant

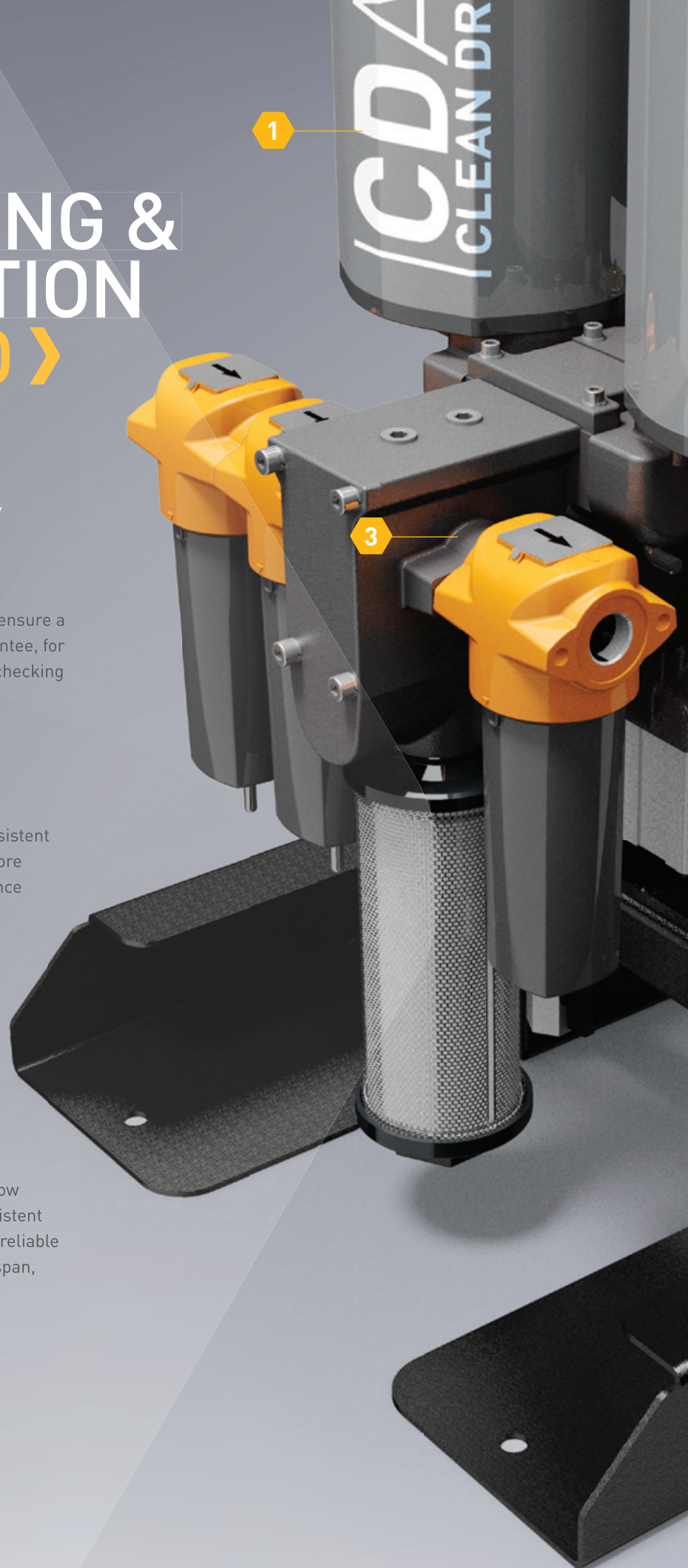
Snowstorm filled, high strength desiccant, offering 5-year lifetime, and providing consistent drying, regeneration and dewpoint - for more reliable air quality, and reduced maintenance downtime and cost.

›3 Full bore internal flow paths

Featuring optimised flow management for reduced pressure drop, improved efficiency and reduced energy costs.

›4 Full bore cylinder valve system

Low pressure loss valves provide full air flow and minimal back pressure ensuring consistent regeneration and dewpoint, whilst robust, reliable cylinders extend service intervals and lifespan, reducing total cost of ownership.



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5 Energy saving technology

Standard on all units, it automatically adapts dryer operation to the ambient inlet conditions and compressed air demand, ensuring optimum energy consumption, full utilisation of the desiccant material, and a 5-year valve lifetime. The result is reduced maintenance and significantly lower energy costs - often with savings of up to 85%.

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› FILTRATION REDEFINED ›

A new series of compressed air filters, taking efficiency to a different level, and offering game-changing advantages for users.

The Parker domnick hunter OIL-X has been developed in tandem with the Parker Zander CDAS and OFAS dryer ranges, and shares an identical design philosophy: simplicity, compatibility and usability, but above all validated air quality.

OIL-X is available in four different variants: water separation, coalescing, dry particulate and oil vapour removal.

Validated performance you can rely on

Built on Parker's worldwide expertise in filtration, the Parker domnick hunter OIL-X range has been developed to ensure consistent outstanding air quality, guaranteed for 12 months - and third-party validated to meet ISO 8573-1 (the international standard of compressed air quality).

Lowest differential pressure

Combining the unique filter element with a specially designed advanced air flow management system, the Parker domnick hunter OIL-X range is engineered to not only deliver air quality in accordance with ISO 8573-1 classifications, but it does so with an extremely low differential pressure - ensuring maximum efficiency and productivity.

Cost savings

Extended equipment lifespan, reduced maintenance, enhanced energy efficiency, proven reliability and minimal downtime all contribute towards lowest total cost of ownership - and a significant positive impact on compressed air running costs.

Versatility

Whilst designed to work as an integral component of our advanced air treatment systems, Parker domnick hunter OIL-X filters are also a drop-in replacement for the OIL-X Plus, and are fully retro-compatible with a wide range of drying equipment. They are also approved for use in many different markets and applications.



› PRODUCT DESIGN REDEFINED ›

Parker domnick hunter OIL-X, focused on filtration and separation – delivering efficiency, validated air quality and cost savings, through the simplicity of great engineering and forward thinking product design.

›1 Unique filter element

With a specialist construction and unique design for reduced air flow velocity, reduced pressure loss, increased dirt holding capacity, and improved efficiency – including a 12-month air quality guarantee.

›2 Flow management system

Specially engineered 'bell mouth', with 90-degree elbow, flow distributor and conical flow diffuser, to promote a consistent, optimum air flow, contributing towards maximum efficiency, reduced differential pressure and lower energy consumption.



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FILTRATION AND
SEPARATION**

›3 Filter housing

Designed to allow easy maintenance and element replacement, and covered by a 10-year guarantee, for reduced downtime, service cost and peace of mind.

›4 Flexible connections

A wide range of port sizes and filter connections, for added flexibility and time saving.

›5 Epoxy coating

Finished with alocrom corrosion protection and a tough, dry powder epoxy coating for a high quality feel with the reassurance of durability.





The image shows two industrial air treatment units from Parker Zander. The unit on the left is the CDAS HL Clean Dry Air System, and the unit on the right is the OFAS HL Oil Free Air System. Both units consist of two vertical grey cylinders with orange control housings at the top. Each housing contains a digital display and two pressure gauges. The units are mounted on a black base with yellow quick-connect fittings. The background is a light grey with a faint geometric pattern.

CDAS HL
CLEAN DRY AIR SYSTEM

OFAS HL
OIL FREE AIR SYSTEM

› EFFICIENT SOLUTIONS REDEFINED ›

The new range of Parker air treatment systems change the way you think about compressed air quality. Designed for improved efficiency in every respect – it's an opportunity to improve the productivity, reliability and profitability of your operation.



Class leading specification

A complete package of technology and engineering excellence, for outstanding air quality, operational control and energy efficiency.

Low maintenance

Designed for faster, simpler, less frequent maintenance; reducing downtime, extending product lifetime and helping your investment go further.

Complete confidence

The only systems with third-party validation – clean dry air and oil free air to ISO 8573-1. Providing you with total confidence in your air quality.

Total affordability

Added value standard specification (including Energy Saving Technology), reduced maintenance, increased uptime, energy efficiency - delivering the lowest total cost of ownership in the marketplace.

› WHAT NEXT?

Discover how Parker's advanced air treatment systems could enhance your productivity, environmental performance, and business efficiency. Visit www.parker.com/cdas

