



# ENVIRONMENTALLY FRIENDLY PERFORMANCE

- › ZERO COMPRESSED AIR LOSS DRAINS
- › COMPRESSOR CONDENSATE OIL/WATER SEPARATORS



› COMPRESSED AIR TREATMENT  
**REDEFINED**



ENGINEERING YOUR SUCCESS.

# › EFFECTIVE PERFORMANCE ›

Even a small amount of condensate in a compressed air network can cause serious damage to apparatus or processes. And it only takes a small amount of oil to have a huge impact on the environment. So it is vitally important that all condensate is completely drained away, and oil is removed from the condensate before its disposal.

The challenge is to remove harmful condensate without losing valuable compressed air. However, popular timed solenoid drains are often simply set up and forgotten about. If the timing system is not adjusted to open according to seasonal temperature and load variation, the drain will either waste a significant amount of air in winter; or there could be condensate carryover in summer, resulting in poor quality air.

This inefficient drainage process leads to costly compressed air leaks. For example, typical air loss from a timed solenoid drain set to open 5 seconds every 10 minutes can equate to 1m<sup>3</sup>/hr. That uses approximately 0.10Kw of energy every hour, equating to as much as 873Kw per drain per year, with an environmental impact equivalent to 463kg/CO<sub>2</sub>.



> LOW-COST

# PERFORMANCE >



Backed by Parker's engineering excellence, this range of zero compressed air loss condensate drains represents a cost-effective solution for every application – featuring integrated filter float drains, as well as high capacity electronic level sensing solutions for pressures up to 50 bar.

Guaranteed to retain all of the compressed air within the system, Parker zero loss condensate drains provide a return on investment within 12 months. Minimal maintenance and downtime, high efficiency, proven reliability and longer operational life combine to ensure a lower total cost of ownership compared to manual and timed drain solutions.



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# OUTSTANDING PERFORMANCE

## PARKER OIL-X COALESCING FILTERS AND WATER SEPARATOR DRAINS

The new Parker OIL-X coalescing filters and water separators feature an integrated automatic float drain. Ideal for applications with pressures up to 16 or 20 bar, the integrated drains remove condensate with zero compressed air loss, ensuring filter performance exceeds ISO12500-1 standards.

Whilst designed to work as an integral component of our advanced air treatment systems, Parker 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.

- › **Zero compressed air loss**
- › **Validated filtration performance, meeting classifications shown within ISO8573-1 compressed air standards**
- › **Low differential pressure**
- › **Low total cost of ownership with extended equipment lifespan**



**FOCUSED ON  
FILTRATION AND  
SEPARATION**



# EFFICIENT PERFORMANCE



## PARKER HDF SERIES MECHANICAL FLOAT CONDENSATE DRAINS

Parker HDF series drains are compact and highly reliable mechanical float drains for industrial compressed air treatment applications up to 16 bar.

The float drain never runs completely dry, only opening when enough condensate is present. This ensures no valuable compressed air is lost during the discharge process – increasing the overall efficiency of the whole compressed air system.

- › Zero compressed air loss
- › Large discharge orifice minimises the chance of blockages
- › Zero air loss during discharge ensures no emulsion is created
- › Manual override valve for functional checks
- › Easy to install – no power supply, programming or calibration required



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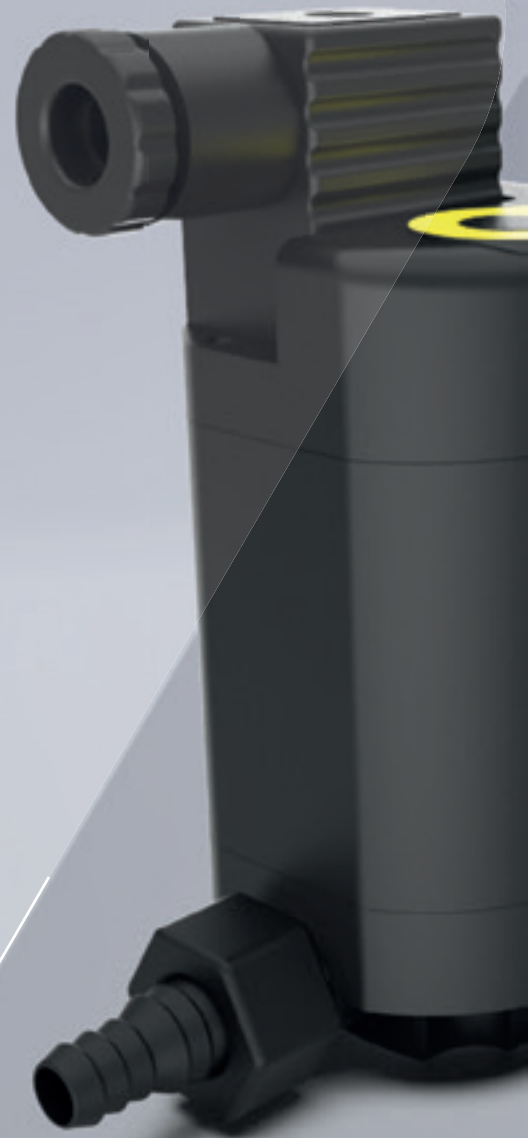
# › RELIABLE PERFORMANCE ›

## › PARKER ED3000 (UP TO 16 BAR) AND ED4100 (UP TO 50 BAR) SERIES ELECTRONIC LEVEL SENSING CONDENSATE DRAINS

Parker ED3000 and ED4100 series level sensing condensate drains are fully equipped to manage changes in the amount of condensate in the compressed air system – easily adapting to variations in temperature and load.

Designed for higher capacity condensate needs, they use internal sensors to determine the exact moment to discharge condensate, resulting in a reduced number of switching cycles – maximizing the service life of the drain valve.

- › **Zero compressed air loss**
- › **Integrated strainer with alarm monitoring for increased process safety**
- › **Large discharge orifice minimizes the chance of blockages**
- › **Easy to install and service – no programming or calibration required**





> COMPRESSED AIR TREATMENT  
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# › ECO-FRIENDLY PERFORMANCE ›



## › PARKER ES2000 OIL/WATER SEPARATOR

Once drained, compressed air condensate can have a harmful impact on the environment; just one litre of oil can cover 3500m<sup>2</sup> of water surface. As a result, discharging oil contaminated condensate from your compressed air systems is illegal.

The Parker ES2000 oil/water separator is designed to keep you on the right side of waste regulation. It's the most cost-effective solution – ensuring full compliance through safe and efficient on-site oil disposal.

- › **Environmentally friendly**
- › **Efficiently separates oil and water on-site and returns up to 99.9% of the condensate to foul sewers**
- › **Large oil-absorbing pre-filter(s) protect carbon stage from bulk contamination**
- › **Large carbon stage for increased contact time, improving water quality and extending carbon life**
- › **Allows users to meet discharge regulations, and to achieve ISO14001 certification**
- › **Rapid payback over conventional disposal methods**
- › **Easy to install, operate and maintain**

# › COMPLIANT PERFORMANCE ›

Parker zero compressed air loss drains and condensate treatment solutions help compressed air systems to run more efficiently, offering lower total cost of ownership and reduced environmental impact. No expensive air leaks, no illegal oil discharge – just reliable, cost-effective solutions that meet all industrial waste regulations.

## › EFFECTIVE DRAINAGE

All Parker float and level sensing drains are zero air loss.

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## › COST SAVING SOLUTIONS

Highly efficient drainage with minimal downtime for a lower total cost of ownership.

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## › EFFICIENT SYSTEMS

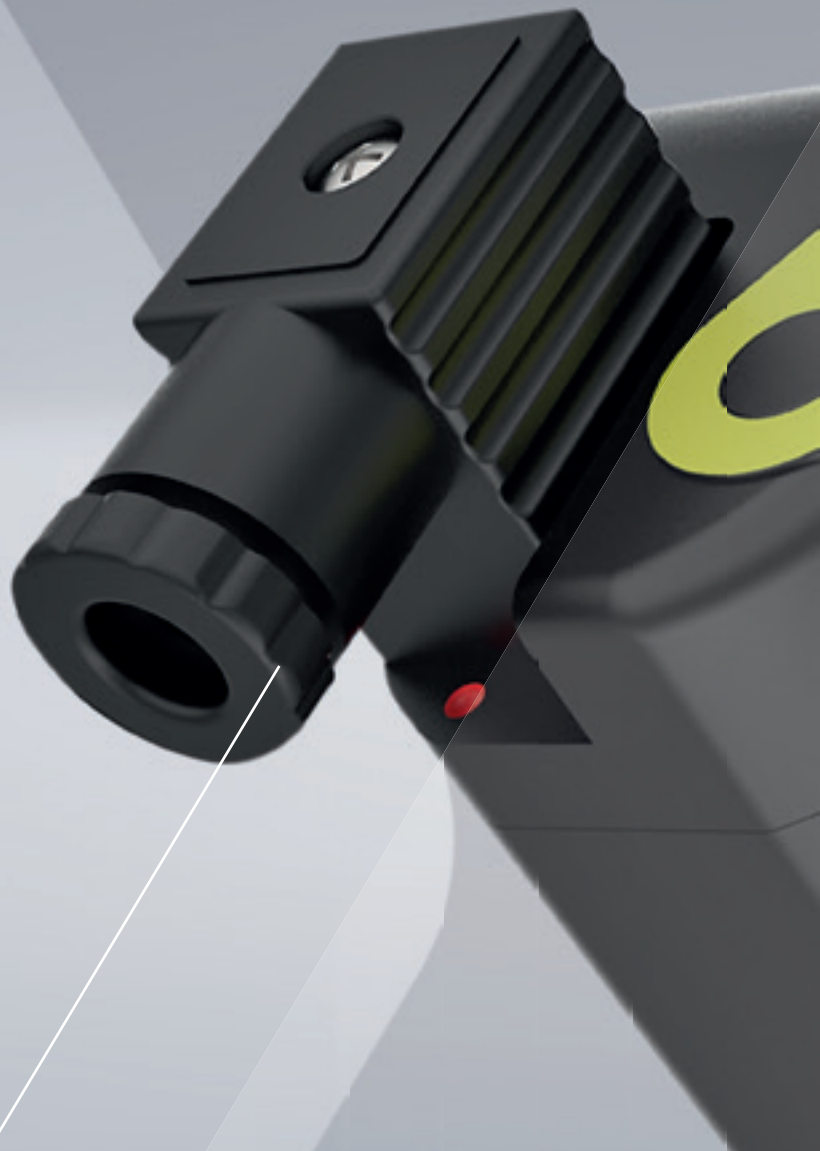
Reliable drainage and disposal increases the efficiency of the whole compressed air system.

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## › ECO-FRIENDLY DISPOSAL

The environmentally friendly ES2000 ensures compliance with oil disposal regulations.

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## › WHAT NEXT?

Discover how Parker's drainage and oil/water separation solutions can improve your system efficiency for longer.

Visit [parker.com/GSFE](https://parker.com/GSFE)

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