



**ARDORVIS
TECHNOLOGY**

Part of the Heat & Power Group

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Industrial Water & Gas Filtration Solutions

At Ardorvis Technology Ltd, we provide high-performance filtration systems for water and gas applications across industrial, municipal, and renewable energy sectors. Our filtration solutions protect downstream equipment, ensure process integrity, and extend component life—especially in sensitive systems like biogas upgrading, water treatment, and compressed gas delivery.

We work with trusted filtration manufacturers, including Donaldson and Cintropur, to deliver reliable, scalable systems backed by full lifecycle support.

What We Offer

- Supply of complete filtration systems and elements
- Replacement filters and OEM-compatible cartridges
- On-site system audits, installation and maintenance support
- Filter sizing, pressure drop calculations, and media selection
- Stocked spares for emergency replacements

Water Filtration Systems

We supply filtration systems for process water, potable water, greywater, and pre-treatment stages, suitable for industrial use, irrigation, and sensitive mechanical systems.

Cintropur Filtration

- Centrifugal pre-filtration combined with high-capacity filter sleeves
- Ideal for removing sand, rust, suspended solids, and particulates from mains or well water
- Available in domestic, commercial, and industrial models (NW18–NW650)

Features:

- Transparent housing for visual inspection
- Reusable filter sleeves (25 to 100 µm options)
- Optional activated carbon modules for taste, odour, and chemical reduction

Applications:

- Water pre-treatment

- Reverse osmosis systems
- Agriculture and irrigation
- Biogas plant water feed protection
- Heat exchanger and boiler inlet filtration

Gas Filtration Systems

Our gas filtration systems are designed to remove oil aerosols, particulates, condensate, and trace gases from biogas, natural gas, compressed air, and process vapours.

Donaldson Gas Filtration

- High-efficiency coalescing and particulate filters
- Available in in-line housings, flanged vessels, and skid-mounted units
- Tested to ISO 12500 and ISO 8573-1 standards for compressed gas quality

Filter grades include:

- **P-grade:** Particulate pre-filter
- **A-grade:** Coalescing filter for aerosols and fine particles
- **AA-grade:** Activated carbon filter for vapour and odour removal
- **S-grade:** Sterile filtration for sensitive gas processes

Applications:

- Biogas drying skids (CH₄/CO₂/H₂S protection)
- Air intake filtration for blowers and compressors
- Flare gas and off-gas treatment
- Anaerobic digestion and landfill gas systems
- Fuel gas polishing before combustion or CHP

Filter Housing Options

- **Stainless steel, aluminium, or plastic housings**
- **In-line or flanged**
- **ATEX-rated options** for hazardous zones
- Modular designs for **easy cartridge access and changeout**

We also offer differential pressure gauges, manual or automatic drains for gas treatment systems.

Industries We Serve

- **Biogas and renewable energy systems**
- **Water and wastewater treatment**
- **Power generation and boiler feedwater conditioning**

- **Food and beverage pre-filtration**
- **HVAC and compressed air systems**
- **Petrochemical vapour recovery and flare lines**

Support & Maintenance Services

- On-site filter replacement and system optimisation
- Filter condition monitoring and pressure drop tracking
- Assistance with cartridge selection and media compatibility
- Scheduled or emergency maintenance support
- Stock supply agreements for high-turnover filters

Why Choose Ardorvis?

- UK/EU-based technical and service team
- Deep experience with filtration in biogas, utilities, and industrial plants
- Fast-turnaround supply and support for both consumables and system upgrades

Contact us today to discuss your filtration requirements, request a site audit, or order replacement elements.