

# Verderair HC-PURE: the hygienic double diaphragm pump

Verder Liquids, a leading provider of innovative pumping solutions, has unveiled the Verderair HC-PURE series, a line of hygienic double diaphragm pumps engineered for optimal cleanability and uncompromising durability.

**T**he Verderair HC-PURE pump is meticulously crafted from SS 316L, to meet the highest hygienic standards, complying with EC-1935/2004 and FDA regulations. Its electropolished surfaces minimise bacteria traps and contamination risks while enhancing corrosion resistance. With easy maintenance and extended lifespan, downtime in the production process is significantly reduced.

In late 2020, Verder expanded its range of hygienic pumps with the launch of HI-Clean air-operated-double-diaphragm (AODD) an electric-operated-double-diaphragm (EODD) pumps series that was designed and developed to be fit-for-purposes in various product processing applications. Verder further expanded on the quality of these pumps and, in 2022, launched the e-PURE electrically-driven double diaphragm pump series.

*The HC-PURE SB series for hygienic applications is purpose-designed to suit the final stage of hygienic production processes.*

With the Verderair HC-PURE, Verder once again demonstrates its ongoing commitment to R&D, technical excellence and delivering innovative pumping solutions that elevate hygienic processes to new levels. Key features that set the Verderair HC-PURE apart include:

- Electropolished SS 316L for exceptional cleanability.
- Solid machined centre block made from PE/Polyamide.
- Rotatable stand for quick draining and servicing.
- Single-piece manifolds with smooth corners.
- PTFE/EPDM over-moulded diaphragms for longer lifetime.
- Manifold clamps for effortless disassembly.
- Maintenance-free air valve ensuring reliability.

Verderair HC-PURE pumps are designed for various industries handling a wide range of low and highly viscous fluids. They are ideal for applications in the pharmaceutical, cosmetics, dairy, food, beverage and brewery/winery sectors. Darryl Macdougall, Managing Director, Verder Pumps South Africa says: "The launch of the Verderair HC-PURE series further showcases why Verder is a global leader in advanced industrial and niche market pump solutions."

"With changing requirements and standards linked to hygiene within manufacturing



*The Verderair HC Pure FD range of hygienic double diaphragm pumps is designed to sit at the start of production processes involving food and beverage products, including dairy and brewery/winery processing.*

and processing facilities – and particularly the product production line itself – technology and quality of product is key. And whether a singular or multi-product line, the integrated pumps and piping solutions installed throughout are often the backbone network of these facilities.

"In recognition of this, Verder remains focused on providing customers with advanced solutions that meet their needs – and these pumps meet the highest quality and market standards, making them ideal for use in facilities where cleanability, hyper-hygiene and safety are key to safeguard the quality of the end product," adds Macdougall.

Launched globally in June, the Verderair HC-PURE series is available, including for Africa, through Verder Pumps South Africa and its distribution network.

[www.verderliquids.com/za/en](http://www.verderliquids.com/za/en)



Scan the QR code to access a Verderair HC-PURE features video.

## Determining drinking water safety is essential

Access to safe drinking water is a privilege not shared by many in Africa. Often, drinking water is contaminated, meaning scores of South Africans are obliged to turn to groundwater. However, to avoid disease and ill health, it is important to ascertain that this groundwater is fit for human consumption.

Condition monitoring specialist company, WearCheck, recently integrated its sister company – previously Set Point Water Laboratories, now WearCheck Water – into its operations, adding yet another analysis service to the company's repertoire.

Thelma Horsfield, general manager of WearCheck Water, explains that the company is ISO 17025:2017 accredited and tests water from any source. "We conduct analysis

on water from many sources – ranging from drinking water to factory/industrial effluent, and everything in between – to determine the presence and levels of potentially harmful substances, whether the water is used for drinking, agriculture or to be disposed of after an industrial process," she says.

She adds that ground and surface water sources must be closely monitored, and the South African Bureau of Standards (SABS) and the National Water Act's SANS241 Drinking Water Quality standard outline the minimum requirements for safe drinking water.

Moses Lelaka, WearCheck's technical water lab manager in Johannesburg, explains some of the quality systems that govern the water-testing process: "SANS241 sets out the

minimum requirements for potable water to be considered safe for human consumption, covering physical quality, chemical components, heavy metals levels, organics, and microbiology. Additional determinants for nearby pollutant influences must be added to SANS241 – where there is nearby agriculture, for instance, fertiliser contamination should be checked. "Monitoring is an invaluable tool that signals environmental changes in the water table that can quickly occur due to seasonal changes, rainfall, drought, heavy industry, agriculture, natural disasters, and more. Responsible monitoring signals any changes in water quality before any harm to life occurs," Lelaka concludes.

[www.wearcheck.co.za](http://www.wearcheck.co.za)