



**STATEWIDE
BEARINGS**



GIEBEL Adsorber®

...setting standards in aeration drying!

VENTILATION DRYING

Statewide Bearings are proud distributors of GIEBEL Adsorber products in Australia. With technical support from our dedicated lubrication team, we can provide cost effective solutions that will save you time and money.

As part of our GIEBEL range of premium breather dryers, we are proud to offer the following products.

- Breather dryers for hydraulic power packs
- Ventilation dryers for gears and turbo gears
- Silica gel filter meeting ATEX 2014 standards
- Breather dryers for offshore use
- Breather dryers for large storage tanks
- Aeration dryers for drums & IBC's
- Breathers with valves aiding in long maintenance intervals
- Refillable breathers for low operating costs
- Accessory and spare part kits



Building on a foundation of
quality and sustainability

DISPOSABLE / REFILLABLE UNITS

Disposable breathers VENT PA-D without valves are a low-cost solution with an advantage in handling and purchase costs. The series contains desiccant filling from 0.1kg up to 3 kg. With a 3 micron filter the air passes the breather absolutely dry and clean. An active carbon layer adsorbs the oil mist and protects the desiccant and the environment. Changing of the complete unit reduces maintenance time and can be done by anyone.

Suggested applications:

- Hydraulic power packs: 0 - 1,800Lt volume
- Gears: 0 – 3,000Lt free volume (air and oil)
- Storage tanks: 1,000 – 60,000Lt volume
- Drums & IBC: 60 - 200Lt and 1,000Lt volume

Disposable breathers VENT PA-D with valves are very easy to install and have big advantages for maintenance intervals. The design, function and use is similar to the valve-less series with one important value added feature. The integrated valves prevent the desiccant against unnecessary loading during downtimes, especially because of aeration of gears. Valves can increase the product life span by up to five times so can save a lot of cost.

Suggested applications:

- Hydraulic power packs: 0 - 1,800Lt volume
- Gearboxes: 0 – 3,000Lt free volume (air and oil)
- Storage tanks: 1,000 – 60,000Lt volume
- Drums & IBC: 60 - 200Lt and 1,000Lt volume

Refillable breathers VENT PA-R with or without valves have low operation costs because of changing of the wearing parts and not the whole cartridge. Especially during long-term use with few standstills and short maintenance intervals these refillable breathers have advantages. Cheap costs for the refilling kits save money and can be done in short cycles. Designed without valves the pressure difference is minimal. With valves the breathers have a long life cycle and efficient drying rate.

Suggested applications:

- Hydraulic power packs: 0 - 1,800Lt volume
- Gears: 0 – 3,000Lt free volume (air and oil)
- Storage tanks: 1,000 – 60,000Lt volume
- Drums & IBC: 60 - 200Lt and 1,000Lt volume



BREATHERS & COLLECTORS

Refillable premium breathers VARIO PA with stable valves are very efficient solutions for high air flow rates or extreme environments. These breathers are used for the ventilation of hydraulic power packs or gears. With the big aluminium valves higher air flow rates can pass the breather with a minimum pressure difference and efficient drying. By opening of the cover the desiccant can be changed easily.

Suggested applications:

- Hydraulic power packs: 100 – 3,600Lt volume
- Gears: 100 – 3,000Lt free volume (air and oil)
- Storage tanks: 1,000 – 60,000Lt volume

Aluminium breathers VARIO MA are used for the aeration of aggressive substances or for use in tough environments. These breathers are filled with up to 10 kg desiccant and can be produced with sealing for the aeration of SKYDROL, break fluids DOT4, and other hydraulic fluids. The VARIO MA series complies with the regulations of EC Directive 2014/34/EU and can use in the zone II 2 G/D IIC T4. The desiccant and the other wearing parts can be changed for a low cost.

Suggested applications:

- Hydraulic power packs: 100 – 7,200Lt volume
- Gears: 100 – 3,000Lt free volume (air and oil)
- Storage tanks: 1,000 – 90,000Lt volume

Stainless steel breathers VARIO ME are a high quality product design made from SS 316L and 316Ti. This series can be used according to the corrosiveness category C5-M and complies with the regulations of EC Directive 2014/34/EU and can be used in the zone II 2 G/D IIC T4. On offshore drilling rigs the VARIO ME protects the hydraulic power packs and gears against damage caused by humidity and failures. They can save a lot of money.

Suggested applications:

- Hydraulic power packs: 100 – 7,200Lt volume
- Gears: 100 – 3,000Lt free volume (air and oil)
- Storage tanks: 1,000 – 90,000Lt volume

Oil mist collectors VARIO VG are used for the adsorption of exhaust oil mists as well as for air drying. The combination of impeller and an oil demister with a high amount of active carbon, cleans the air and prevents the escape of oil into the environment. In applications, such as fast turning gears, wind turbine gears, hydraulic systems in hydro power plants, gears in chemicals companies, and others, these oil mist separators are proven to protect the environment against contamination by oil.

Suggested applications:

- Hydraulic power packs: 100 – 3,600 l volume
- Gears: 100 – 3,000 l free volume (air and oil)



ACCESSORIES

Flange connection for hydraulic power packs. The flanges have the bolt pcds of 41 mm or 73 mm according to DIN 42557 for hydraulic tanks. The flanges are made from aluminium or stainless steel. The assembly consists of a flange, sieve, sealing and screws and can mounted without any changes to the tank.

Filling adapter for hydraulic power packs or gears. The use of a filling adapter allows for an easy refilling of hydraulic oil. Using the 40 mm filler neck the oil can be filled comfortably. The adsorber does not have to be dismantled during refilling. Manufactured in high-quality aluminum, the filling adapter is well suited for long-term use. Optionally available in stainless steel. The filling adapter is equipped with a sieve to filter dirt particles, sealing and screws.

Adapters for flexible assembly of breathers on every type of unit. As male-male, male-female or female-female type all GIEBEL Adsorbers can be assembled with ease. With BSP, NPT, Metric or other thread types, all fitting challenges can be solved.

Clogging indicator or filter minder for optical display of the adsorber condition. By using the pressure indicator, clogging of a filter can be made visible. By an increase of the differential pressure, this unit shows from a 80 mbar vacuum on it, that the filter unit needs to be serviced. The display can be reset by a click of the "Push to reset" button. This accessory is available with bolt pcd of 73 mm or a thread connection.

Oil separator for gears. Through the use of an oil separator oil droplets are bound, condensed and dripped back into the tank. Thereby the adsorber is protected as it preserves the environment from harmful oil aerosols. The function is thanks to the efficient construction, with impeller and wire mesh. This accessory is available with different threaded connections.



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