



GIEBEL
FiTec GmbH



**BREATHING DRYER
FOR
BARRELS AND IBC**

GIEBEL FiTec GmbH

Carl-Zeiss-Str. 5

74626 Bretzfeld-Schwabbach

Germany

☎ +49 (0) 7946 / 944401 - 0

✉ info@giebel-adsorber.de

🌐 www.giebel-adsorber.de





In the storage and processing of substances in barrels and IBC containers moist air is attracted from the environment. This humidity contaminate the stored media. For example, it comes with isocyanate to crystallize, oils are saturated with water and biological fuels forming bacteria and mud.

For the protection of hygroscopic substances in drums and IBC's various respiratory dryers GIEBEL can be used.

Whether vertical or horizontal drums, whether plastic or stainless steel IBCs, whether container breathing or active substance removal, a rectly set Drum aeration filter ensures clean and dry air supply.



GIEBEL has developed the VENT PA and VENT MA series for the protection of isocyanates, polyols, oils, fuels, etc. in drums and IBCs.





ADSORBER	VENT PA-D	VENT PA-R	VENT MA
Applications	Breathing Dryer		
Valves	✗	✗	✗
Refillable	✗	✓	✓
According to ATEX 2014	✗	✗	✓
Container volume / Maintenance interval			
60 l Barrel ca. 75x Emptying	vV 140-PA	vV 150-PA	
200 l Barrel ca. 45x Emptying	vV 220-PA	vV 230-PA	vV 230-MA
1000 l IBC ca. 25x Emptying	vV 300-PA	vV 310-PA	vV 310-MA



ADSORBER



VENT PA-D

The GIEBEL adsorbers of the VENT PA-D series are cost-effective solutions. The handling is very easy, because after complete saturation, the entire cartridge is exchanged within a few minutes.



VENT PA-R

The refillable desiccant filters VENT PA-R can also be equipped with or without plastic valves. By the possibility to exchange the desiccant and wear parts, these adsorbers have low operating costs.



VENT MA

The all-aluminium VENT MA series is robust yet easy to use. Due to the high resistance, available with NBR, FKM or EPDM gaskets, it is used for many substances.





ACCESSORIES



Suction Lance

With the use of a suction lance, a drum pump can be connected and the substance can be removed from a steel drum very easily directly from the bottom of the drum. The simultaneous use of a GIEBEL adsorber dries the inflowing air and protects the drum contents from atmospheric

moisture.



Angle Adapter

The angle adapter allows the installation of a GIEBEL adsorber on horizontal drums. Equipped with a G $\frac{3}{4}$ "thread and a lock nut, the adsorber is aligned vertically and aerates the barrel during emptying.



Bypassadapter

The bypass adapter allows targeted control of the supply and exhaust air flows. The incoming air into the system is dried by a GIEBEL adsorber.





IBC lid

To assemble a GIEBEL adsorber on an IBC container, the appropriate lid can be used. Available in nominal sizes 150 and 225, the matching threaded sleeve for the breathing dryer is integrated.



Wall Mount

The wall bracket is suitable for the flexible installation of GIEBEL adsorbers with limited space available on the system. As a screw-on version for concrete walls, with clamping claws for steel girders or as a suspension version for grids or fences, no conversion measures are necessary on the system to use an adsorber.



REFERENCE





APPLICATIONS

GIEBEL Adsorber® are used for example:

- Isocyanate and polyols for storage and processing in PUR system
- Gasoline storage of testing equipment
- Insulating oils for transformers
- Hydraulic oils for mobile machines
- Transmission oils for turbines & generators
- Catalysts for chemical processes
- Epoxy resins as potting compound
- Adhesive for carrier fabric
- and many more !



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Your contact person for GIEBEL Adsorber

