



**STATEWIDE
BEARINGS**

SWB *Plus*

Engineering | Training | Site Services



GIEBEL
FilTec GmbH

**DESIGNED AND
PRODUCED
IN GERMANY**





CONTENT

COMPANY	4
APPLICATION OVERVIEW	7
 HYDRAULIC POER PACKS	8
 GEARS	13
 STORAGE TANKS	18
 BARRELS & IBC	23
 TRANSFORMERS	26
PRODUCT OVERVIEW	31
 VARIO PA	32
 VARIO MA	36
 VARIO ME	41
 VARIO VG PA	45
 VENT PA	49
 VENT MA	55
 VARIO TB	59
 HSECURE	63
 SPARE PARTS KITS	65
 SILICA GEL	67
 MOLECULAR SIEVE	68
 DOCUMENTATION	70
 ACCESSORIES	71
ONLINE SERVICES	91
CONAKT	92



GIEBEL Adsorber®
...setting standards in aeration drying!

COMPANY



GIEBEL FilTec GmbH, headquartered in Bretzfeld / Germany, is involved in the development, production and sale of breather dryers.

The areas of application are the dehumidified aeration and deaeration of gear and lubricating oils, hydraulic pressure fluids, fuels, as well as aggressive operating and production materials.

GIEBEL is represented in the European market for ventilation dryers with products specially developed for hydraulics and gearbox. On the basis of quality and sustainability, the entire added value of the GIEBEL Adsorber® is generated in Germany. Far beyond the borders of the country, the name GIEBEL stands for quality "Designed and Produced in Germany".





CONSTRUCTION & DEVELOPMENT

Our design department works hand in hand with our customers. The efficient problem solving solution comes first.

Through the use of modern CAD systems such as SolidWorks, customer models and ideas quickly create 3D models and images. In close cooperation with our customers, solutions are developed in a targeted manner.



SALES & SERVICE

In order to introduce our customers to the GIEBEL Adsorber and to explain the advantages resulting from the application, our sales staff is always at your disposal.

Individually, we consider the requirements of our customers. Important data on the design of adsorbers, such as the volume of hydraulic power units, are taken on site and provide the optimum solution. A direct, personal contact person will be there to help you master your challenges.





GIEBEL Adsorber®
...setting standards in aeration drying!

PRODUCTION & QUALITY MANAGEMENT

Production at the Bretzfeld site and direct integration with the design ensure flexible and fast production cycles. The large experience in the production of special solutions as well as the high availability of standard adsorbers allow short delivery times.

All products undergo constant quality controls. This quality awareness is confirmed by the quality management system according to DIN EN ISO 9001.





APPLICATION OVERVIEW



HYDRAULIC POWER PACKS

Breather dryer for hydraulic power units



GEARS

Ventilation dryer for gears



STORAGE TANKS

Tank air dryer for storage tanks



BARRELS & IBC

Air dryer for barrels & IBC



TRANSFORMERS

Dehumidifier for Transformers



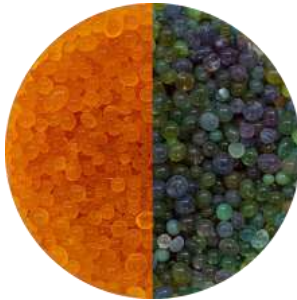
BREATHER DRYER FOR HYDRAULIC POWER PACK



When hydraulic units are used, humid air is sucked in by pressure equalization with the environment, which condenses when the dew point is undershot.

Use at high humidities and temperature fluctuations promotes condensation damage. Rapid aging of hydraulic oil, degradation of additives and promotion of corrosion are just a few possible damages.

In order to prevent the occurrence of damage due to condensation water, the use of a ventilation dryer is an effective measure. The inflowing incoming air is dried and thus a strong reduction of the water content and the dew point is achieved.





USE OF A BREATHER DRYER



Targets: Drying of the sucked, incoming air, avoiding condensation damage

Function: Drying by a desiccant, cleaning of the air by a filter element, protection of the desiccant by frost-proof valves, use of self-regeneration to extend the maintenance intervals

Solution: Dry and filtered air in the hydraulic tank, dew point of up to $-30\text{ }^{\circ}\text{C}$ and residual moisture at approx. 2-20% rh, no damage due to condensation

USE OF AN OIL MIST SEPARATOR



Targets: Protecting the environment from contamination with oil mist, Secondary protection against atmospheric moisture from the ambient air

Function: Binding of larger oil particles, which drops back into the tank due to condensation, adsorption of small particles of oil through activated carbon, drying of the incoming air

Solution: No leakage of oil particles from the hydraulic tank, cleaning of surfaces not necessary, protection of hydraulic oil from humidity.



ADSORBER HYDRAULIC POWER PACKS



Adsorber	VENT PA-D	VENT PA-R	VARIO PA-D	VARIO PA-R	VARIO MA-D	VARIO MA-R	VARIO ME-D	VARIO ME-R	VARIO MA-R	VARIO VG PA-D	VARIO VG PA-R
Usage	Breather Dryer									Oil Mist Separator	
Operating Material	All usual hydraulic oils Mineral oils Biodegradable oils Insulating oils				All usual hydraulic oils Mineral oils Biodegradable oils Light and flame retardant fluids (fuels, solvents, etc.)				Skydrol HyJet IV/V Brake fluids	All usual hydraulic oils Mineral oils Biodegradable oils Insulating oils	
Valves	✗	✗	✓	✓	✓	✓	✓	✓	✓	✗	✗
Rechargeable	✗	✓	✗	✓	✗	✓	✗	✓	✓	✗	✓
According ATEX 2014	✗	✗	✗	✗	✓	✓	✓	✓	✓	✗	✗
Offshore suitable	✗	✗	✗	✗	✗	✗	✓	✓	✗	✗	✗
Tank volume / Air pendulum volume											
0 – 50 l up to 10l/min, max.30l/min.	vV 140-PA 05.0010.42	vV 150-PA 05.0010.28	vV 140-PA 05.0010.44	vV 150-PA 05.0010.17							
50 – 100 l up to 20l/min, max.100l/min.	vV 220-PA 05.0020.32	vV 230-PA 05.0020.78	vV 220-PA 05.0020.25	vV 230-PA 05.0020.33	vV 220-MA 05.0030.97	vV 230-MA 05.0030.90			vV 230-MA 05.0030.48		
100 – 600 l up to 40l/min, max.260l/min.	vV 300-PA 05.0030.50	vV 310-PA 05.0030.53	DV 300-PA 07.0001.19	DV 310-PA 07.0000.24	DV 300-MA 07.0001.58	DV 310-MA 07.0000.53	DV 300-ME 07.0001.27	DV 310-ME 07.0001.09	DV 310-MA 07.0001.54	DV VG 320-PA 07.0001.56	DV VG 330-PA 07.0001.57
100 – 600 l up to 80l/min, max.490l/min.	vV 320-PA 05.0030.93	vV 330-PA 05.0030.19	DV 320-PA 07.0001.02	DV 330-PA 07.0001.20	DV 320-MA 07.0001.53	DV 330-MA 07.0001.26	DV 320-ME 07.0001.46	DV 330-ME 07.0001.41	DV 330-MA 07.0001.45		
600 – 1800 l up to 110l/min, max.610l/min.	vV 500-PA 05.0060.16	vV 510-PA 05.0060.10	DV 500-PA 08.0000.50	DV 510-PA 08.0000.51	DV 500-MA 08.0003.31	DV 510-MA 08.0003.09	DV 500-ME 08.0003.00	DV 510-ME 08.0003.01	DV 510-MA 08.0003.15	DV VG 520-PA 08.0002.02	DV VG 530-PA 08.0002.05
600 – 1800 l up to 160l/min, max. 30l/min.	vV 520-PA 05.0060.19	vV 530-PA 05.0060.33	DV 520-PA 08.0000.52	DV 530-PA 08.0000.53	DV 520-MA 08.0003.39	DV 530-MA 08.0003.35	DV 520-ME 08.0003.28	DV 530-ME 08.0003.03	DV 530-MA 08.0003.16		
1800 – 3600 l up to 210l/min, max.1250l/min.			DV 550-PA 08.0000.54	DV 560-PA 08.0000.55	DV 550-MA 08.0003.40	DV 560-MA 08.0004.50	DV 550-ME 08.0003.29	DV 560-ME 08.0003.20	DV 560-MA 08.0004.52	DV VG 550-PA 08.0002.08	DV VG 560-PA 08.0002.15
3600 – 7200 l up to 530l/min, max.2000l/min.						DV 790-MA 09.0000.19			DV 790-MA 09.0000.42		



ACCESSORIES

Accessories											
Flange adapter 	FLA-LK41 07.2140.00 FLA-LK73 07.2134.01	FLA-LK41 07.2140.00 FLA-LK73 07.2134.01	FLA-LK41 07.2140.00 FLA-LK73 08.2122.00	FLA-LK41 07.2140.00 FLA-LK73 08.2122.00	FLA-LK73 08.2131.00	FLA-LK73 08.2131.00	FLA-LK73 08.2123.00	FLA-LK73 08.2123.00	FLA-LK73 08.2134.00	FLA-LK73 08.2122.00	FLA-LK73 08.2122.00
Filling adapter 	FILL-LK41 08.2112.06 FILL-LK73 08.2112.01	FILL-LK41 08.2112.06 FILL-LK73 08.2112.01	FILL-LK41 08.2112.06 FILL-LK73 08.2112.01	FILL-LK41 08.2112.06 FILL-LK73 08.2112.01	FILL-LK73 08.2112.23	FILL-LK73 08.2112.23	FILL-LK73 08.2112.04	FILL-LK73 08.2112.04	FILL-LK73 08.2112.06	FILL-LK73 08.2112.01	FILL-LK73 08.2112.01
Oil drop separator 	OSD-130 03.2135.07 OSD-180 03.2132.00	OSD-130 03.2135.07 OSD-180 03.2132.00	OSD-130 03.2135.07 OSD-180 03.2132.00	OSD-130 03.2135.07 OSD-180 03.2132.00	OSD-180 03.2132.00	OSD-180 03.2132.00	OSD-180 03.2135.05	OSD-180 03.2135.05		OSD-180 03.2132.00	OSD-180 03.2132.00
Wall mounts 	WH-oSL-HK 03.0000.89 WH-oSL-5 03.0000.90	WH-oSL-HK 03.0000.89 WH-oSL-5 03.0000.90	WH-oSL-5 03.0000.90 WH-SL-3 03.0000.56 WH-SL-5 03.0000.57	WH-oSL-5 03.0000.90 WH-SL-3 03.0000.56 WH-SL-5 03.0000.57	WH-oSL-5 03.0000.90 WH-SL-3 03.0000.56 WH-SL-5 03.0000.57	WH-oSL-5 03.0000.90 WH-SL-3 03.0000.56 WH-SL-5 03.0000.57	WH-oSL-5 03.0000.90 WH-SL-3 03.0000.56 WH-SL-5 03.0000.57	WH-oSL-5 03.0000.90 WH-SL-3 03.0000.56 WH-SL-5 03.0000.57	WH-oSL-5 03.0000.90 WH-SL-3 03.0000.56 WH-SL-5 03.0000.57	WH-oSL-5 03.0000.90 WH-SL-3 03.0000.56 WH-SL-5 03.0000.57	WH-oSL-5 03.0000.90 WH-SL-3 03.0000.56 WH-SL-5 03.0000.57
Oil bypass adapter 	ONA-LK41 08.2100.10 ONA-LK73 08.2100.07	ONA-LK41 08.2100.10 ONA-LK73 08.2100.07	ONA-LK41 08.2100.10 ONA-LK73 08.2100.07	ONA-LK41 08.2100.10 ONA-LK73 08.2100.07	ONA-LK41 08.2100.10 ONA-LK73 08.2100.07	ONA-LK41 08.2100.10 ONA-LK73 08.2100.07					
Assembly tube 	AT-I250 03.0000.71 AT-LK250 03.0000.82	AT-I250 03.0000.71 AT-LK250 03.0000.82	AT-I250 03.0000.71 AT-LK250 03.0000.82	AT-I250 03.0000.71 AT-LK250 03.0000.82	AT-I250 03.0000.71 AT-LK250 03.0000.82	AT-I250 03.0000.71 AT-LK250 03.0000.82	AT-I250 03.0000.75	AT-I250 03.0000.75		AT-I250 03.0000.71 AT-LK250 03.0000.82	AT-I250 03.0000.71 AT-LK250 03.0000.82
Protection adapter 	PRT-LK73 08.2104.05 PRT-AD 08.2104.01	PRT-LK73 08.2104.05 PRT-AD 08.2104.01	PRT-LK73 08.2104.05 PRT-AD 08.2104.01	PRT-LK73 08.2104.05 PRT-AD 08.2104.01	PRT-LK73 08.2104.05 PRT-AD 08.2104.01	PRT-LK73 08.2104.05 PRT-AD 08.2104.01	PRT-LK73 08.2104.02 PRT-AD 08.2104.03	PRT-LK73 08.2104.02 PRT-AD 08.2104.03		PRT-LK73 08.2104.05 PRT-AD 08.2104.01	PRT-LK73 08.2104.05 PRT-AD 08.2104.01

REFERENCES



Fraunhofer

HANSA FLEX

e-on | Wasserkraft





APPLICATIONS

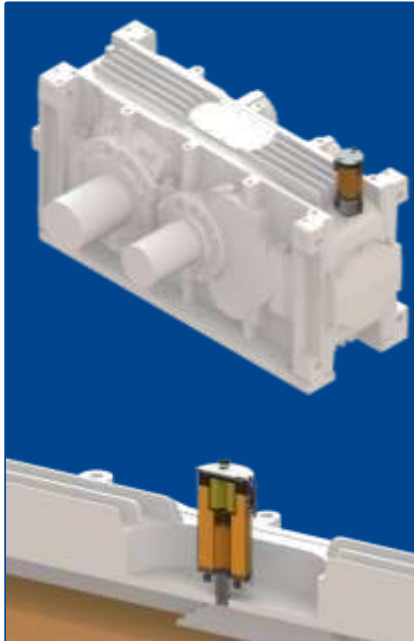
GIEBEL Adsorber® are used for example:

- Locks in steel hydraulic engineering
- Conveying systems in mining
- Pulp and paper production machines
- Flight and driving simulators
- Work tools on rail vehicles
- Offshore and Ship Technology
- Drilling rigs
- Injection molding machines
- Presses and rolling mills
- and many more !





VENTILATION DRYER FOR GEARS



Due to temperature fluctuations between operation and standstill, the air volume in a transmission changes constantly. Sucked, humid ambient air significantly reduces the service life of a gear oil.

Furthermore, moisture in the housing leads to corrosion with particle abrasion and thus damage to the gearbox.

Good transmission ventilation filters prevent the ingress of humidity during the "breathing" of the transmission. GIEBEL Adsorber® are special gear ventilation filters for anhydrous ventilation.

For example, these respiratory dryers are used successfully near the coast, on offshore installations, in tropical regions and underground.





USE OF A BREATHER DRYER



Targets: Drying of sucked, incoming air, avoiding condensation damage

Function: Drying by a desiccant, cleaning of the air by a filter element, protection of the desiccant by frost-proof valves, use of self-regeneration to extend the maintenance intervals

Solution: Dry and filtered air in the hydraulic tank, dew point of up to $-30\text{ }^{\circ}\text{C}$ and residual moisture at approx. 2-20% rh, no damage due to condensation

USE OF AN OIL MIST SEPARATOR



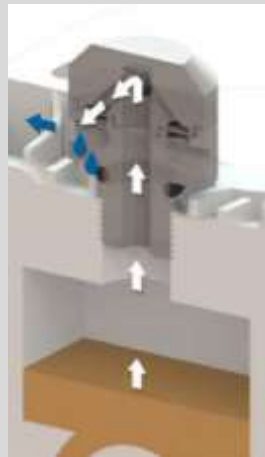
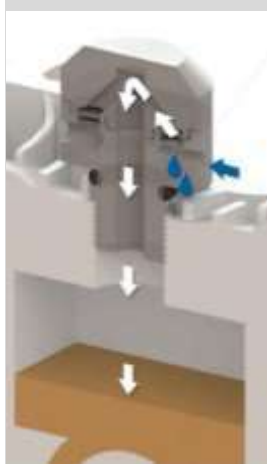
Targets: Protecting the environment from contamination with oil mist, Secondary protection against atmospheric moisture from the ambient air

Function: Binding of larger oil particles, which drops back into the tank due to condensation, adsorption of small particles of oil through activated carbon, drying of the incoming air

Solution: No leakage of oil particles from the hydraulic tank, cleaning of surfaces not necessary, protection of hydraulic oil from humidity.



USE OF A WATER DRP SEPARATOR



Targets: Protection of the gearbox against water entry; Ensuring the free breathing of the transmission

Function: Separation of water droplets and mist, breathing of the gearbox in both directions, no adsorption of humidity

Solution: No inflow of water drops into the transmission, free breathing and no entry of dirt particles

REFERENCES





ADSORBER GEARS



Adsorber	VENT PA-D	VENT PA-R	VARIO PA-D	VARIO PA-R	VARIO MA-D	VARIO MA-R	VARIO ME-D	VARIO ME-R	VARIO VG PA-D	VARIO VG PA-R	HSECU RE
Usage	Breather Dryer								Oil Mist Separator		Water Drop Separator
Valves	✗	✗	✓	✓	✓	✓	✓	✓	✗	✗	
Rechargeable	✗	✓	✗	✓	✗	✓	✗	✓	✗	✓	
According ATEX 2014	✗	✗	✗	✗	✓	✓	✓	✓	✗	✗	
Offshore suitable	✗	✗	✗	✗	✗	✗	✓	✓	✗	✗	
Gear volume (Oil and Air volume)											
0 – 5 l	vV 120-PA 05.0010.36	vV 130-PA 05.0010.27	vV 120-PA 05.0010.43	vV 130-PA 05.0010.37							hs 30-PC 02.0000.07
5 – 10 l	vV 140-PA 05.0010.42	vV 150-PA 05.0010.28	vV 140-PA 05.0010.44	vV 150-PA 05.0010.17							
10 – 50 l	vV 200-PA 05.0020.29	vV 210-PA 05.0020.56	vV 200-PA 05.0020.64	vV 210-PA 05.0020.30							hs 50-PC 02.0000.06
50 – 100 l	vV 220-PA 05.0020.32	vV 230-PA 05.0020.78	vV 220-PA 05.0020.25	vV 230-PA 05.0020.33	vV 220-MA 05.0030.97	vV 230-MA 05.0030.90					
100 – 800 l	vV 300-PA 05.0030.50	vV 310-PA 05.0030.53	DV 300-PA 07.0001.19	DV 310-PA 07.0000.24	DV 300-MA 07.0001.58	DV 310-MA 07.0000.53	DV 300-ME 07.0001.27	DV 310-ME 07.0001.09	DV VG 320-PA 07.0001.56	DV VG 330-PA 07.0001.57	
800 – 2400 l	vV 320-PA 05.0030.93	vV 330-PA 05.0030.19	DV 320-PA 07.0001.02	DV 330-PA 07.0001.20	DV 320-MA 07.0001.53	DV 330-MA 07.0001.26	DV 320-ME 07.0001.46	DV 330-ME 07.0001.41	DV VG 500-PA 08.0002.02	DV VG 530-PA 08.0002.05	
2400 – ... l	vV 500-PA 05.0060.16	vV 510-PA 05.0060.10	DV 500-PA 08.0000.50	DV 510-PA 08.0000.51	DV 500-MA 08.0003.31	DV 510-MA 08.0003.09	DV 500-ME 08.0003.00	DV 510-ME 08.0003.01	DV VG 550-PA 08.0002.08	DV VG 560-PA 08.0002.15	



ACCESSORIES

Accessories											
Oil separator 	OSD-130 03.2135.07	OSD-130 03.2135.07	OSD-130 03.2135.07	OSD-130 03.2135.07	OSD-180 03.2132.00	OSD-180 03.2132.00	OSD-180 03.2135.05	OSD-180 03.2135.05	OSD-130 03.2135.07	OSD-130 03.2135.07	
	OSD-180 03.2132.00	OSD-180 03.2132.00	OSD-180 03.2132.00	OSD-180 03.2132.00					OSD-180 03.2132.00	OSD-180 03.2132.00	
Wall mount 	WH-oSL-HK 03.0000.89	WH-oSL-HK 03.0000.89	WH-oSL-5 03.0000.90	WH-oSL-5 03.0000.90	WH-oSL-5 03.0000.90	WH-oSL-5 03.0000.90	WH-oSL-5 03.0000.90	WH-oSL-5 03.0000.90	WH-oSL-5 03.0000.90	WH-oSL-HK 03.0000.89	
	WH-oSL-5 03.0000.90	WH-oSL-5 03.0000.90	WH-SL-3 03.0000.56	WH-SL-3 03.0000.56	WH-SL-3 03.0000.56	WH-SL-3 03.0000.56	WH-SL-3 03.0000.56	WH-SL-3 03.0000.56	WH-SL-3 03.0000.56	WH-oSL-5 03.0000.90	
Assembly tube 	AT-I250 03.0000.71	AT-I250 03.0000.71	AT-I250 03.0000.71	AT-I250 03.0000.71	AT-I250 03.0000.71	AT-I250 03.0000.71	AT-I250 03.0000.71	AT-I250 03.0000.75	AT-I250 03.0000.71	AT-I250 03.0000.71	
	AT-LK250 03.0000.82	AT-LK250 03.0000.82	AT-LK250 03.0000.82	AT-LK250 03.0000.82	AT-LK250 03.0000.82	AT-LK250 03.0000.82	AT-LK250 03.0000.82		AT-LK250 03.0000.82	AT-LK250 03.0000.82	
Protection adapter 	PRT-AD 08.2104.01	PRT-AD 08.2104.01	PRT-AD 08.2104.01	PRT-AD 08.2104.01	PRT-AD 08.2104.01	PRT-AD 08.2104.01	PRT-AD 08.2104.03	PRT-AD 08.2104.03	PRT-AD 08.2104.01	PRT-AD 08.2104.01	
Bypass adapter 	BPA-AD 08.0000.71	BPA-AD 08.0000.71	BPA-AD 08.0000.71	BPA-AD 08.0000.71	BPA-AD 08.0000.71	BPA-AD 08.0000.71	BPA-AD 08.0000.70	BPA-AD 08.0000.70	BPA-AD 08.0000.71	BPA-AD 08.0000.71	

APPLICATIONS

GIEBEL Adsorber® are used for example:

- Turbines & generators in hydroelectric power plants
- Paper machines
- Vertical drilling rigs (Onshore)
- Gears and pumps for offshore drilling rigs
- Gears in sugar processing
- Extruder gearbox for injection molding machines
- Circulation basin in sewage treatment plants
- Ship gearbox / propeller
- Cable cars and ski lifts
- and many more !



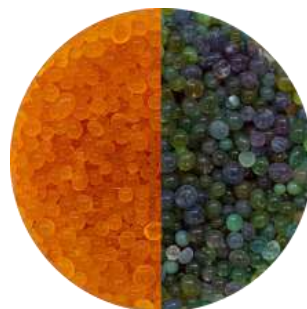


TANK AIR DRYER FOR STORAGE TANKS



Moist air leads to condensation on cooling of tanks and thus to a considerable reduction in the quality of the substance contained. For example, biofuels form bacteria, algae and molds, and sulfuric acid causes moisture to destroy the tank.

GIEBEL has developed special tank ventilation dryers for the ventilation of tank plants. Moist air is dried and filtered. The tank can breathe and the dry supply air ensures a constant quality of the storage medium. With the right accessories, there is no overpressure in the tank even without gas recirculation during the filling process. While a well-designed aeration dryer protects the tank contents very efficiently, handling is easy. The color change of the silica gel from orange to green indicates the state of the adsorber.





USE WITHOUT VENTILATION SYSTEM



Incoming air: Flows through the desiccant. Air is dried and filtered.

Outflowing air: Flows through the desiccant in the opposite direction. Aerator and ventilator with longer maintenance intervals.

Advantages: Desiccant is partially regenerated by effluent, dry air

Disadvantages: High volume flow during tank filling can lead to overpressure. Gas recirculation or separate bypass valve necessary.

USE WITH VENTILATION SYSTEM



Incoming air: Flows through the desiccant. Air is dried.

Outflowing air: Air flows through 2 "check valves at 30mbar opening pressure into the environment.

Advantages: High volume flows during tank filling escape at 30 mbar. No gas recirculation and no additional bypass valve necessary.

Disadvantages: No regeneration of the desiccant due to escaping air.



ADSORBER STORAGE TANKS

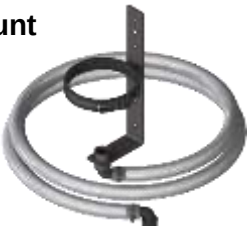


Adsorber	VARIO PA	VARIO MA		VARIO ME	
Medium	Hydraulic oil Gear oil Organic oil Vegetable oil Transformer oil AdBlue (urea) Diesel fuel Polyols	Petrol Kerosene Isocyanates Acetic acid Polyethylene glycol Isopropyl alcohol Methanol Diethylene glycol	Brake fluid SKYDROL HyJet IV & V Acetone Butyl Ethanol Ethyl acetate	Sulfuric acid Benzenesulfonic Dichloromethane	Caustic soda
Material	Kunststoff & AL & FKM	AL & FKM	AL & EPDM	SS & FKM	SS & EPDM
Valve	✓	✓		✓	
According to ATEX 2014	✗	✓		✓	
Offshore / Marine suitable	✗	✗		✓	
Tank volume (Volume of air drying)					
1 – 5 cbm appr. 45 cbm drying	DV 330-PA 07.0001.36 07.0001.33 (*)	DV 330-MA 07.0001.26 07.0000.36 (*)	DV 330-MA 07.0001.45	DV 330-ME 07.0001.41 07.0001.52 (*)	DV 330-ME 07.0001.80
5 – 10 cbm appr. 65 cbm drying	DV 510-PA 08.0002.34 08.0002.35 (*)	DV 510-MA 08.0003.09 08.0003.11 (*)	DV 510-MA 08.0003.15 08.0003.34 (*)	DV 510-ME 08.0003.01 08.0003.19 (*)	DV 510-ME 08.0002.71 08.0003.22 (*)
10 – 30 cbm appr. 100 cbm drying	DV 530-PA 08.0000.47 08.0000.46 (*)	DV 530-MA 08.0003.35 08.0003.36 (*)	DV 530-MA 08.0003.16 08.0003.14 (*)	DV 530-ME 08.0003.03 08.0003.24 (*)	DV 530-ME 08.0002.50 08.0003.26 (*)
30 – 60 cbm appr. 125 cbm drying	DV 560-PA 08.0002.36 08.0000.48 (*)	DV 560-MA 08.0004.50 08.0004.59 (*)	DV 560-MA 08.0004.52 08.0004.60 (*)	DV 560-ME 08.0003.20 08.0003.21 (*)	DV 560-ME 08.0003.41 08.0003.25 (*)
60 – 90 cbm appr. 280 cbm drying		DV 790-MA 09.0000.19 09.0000.30 (*)	DV 790-MA 09.0000.42 09.0000.32 (*)		

(x) In combination with a ventilation system.



ACCESSORIES

Accessories					
Ventilation system 	EBS_SS 08.0000.69 EBS_SS 08.0000.83	EBS_SS 08.0000.69 EBS_SS 08.0000.83	EBS_SS 08.0000.82 EBS_SS 08.0000.84	EBS_SS 08.0000.69 EBS_SS 08.0000.83	EBS_SS 08.0000.82 EBS_SS 08.0000.84
Wall mount 	WH-oSL-5 03.0000.90 WH-SL-3 03.0000.56 WH-SL-5 03.0000.57	WH-oSL-5 03.0000.90 WH-SL-3 03.0000.56 WH-SL-5 03.0000.57	WH-oSL-5 03.0000.90 WH-SL-3 03.0000.56 WH-SL-5 03.0000.57	WH-oSL-5 03.0000.90 WH-SL-3 03.0000.56 WH-SL-5 03.0000.57	WH-oSL-5 03.0000.90 WH-SL-3 03.0000.56 WH-SL-5 03.0000.57
Bypass adapter 	BPA-AD 08.0000.71	BPA-AD 08.0000.71		BPA-AD 08.0000.70	
Protection adapter 	PRT-AD 08.2104.01	PRT-AD 08.2104.01		PRT-AD 08.2104.03	

REFERENCES





APPLICATIONS

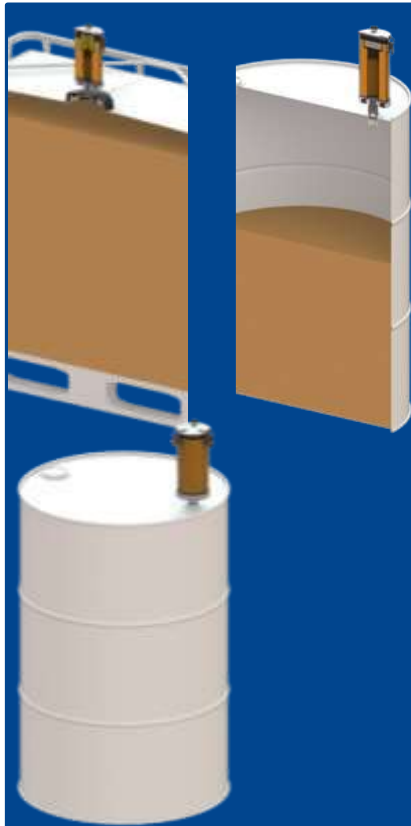
GIEBEL Adsorber® are used for example:

- Diesel tanks of emergency generators
- Fuel tanks of test benches
- Solvent tanks in the paint industry
- Sulfuric acid tanks for drinking water treatment
- Vegetable oil tanks as alternative fuels
- Fuel tanks of ships
- Methanol tanks of hardening shops
- Isocyanate tanks for plastics production
- Storage tanks for additives, such as AdBlue
- Storage tanks for transformer oils
- and many more !





BREATHER DRYER FOR BARRELS AND IBC



During storage and processing of substances in drums and IBC containers, humid air from the environment is attracted. This humidity contaminates the storage medium. For example, isocyanate crystallizes, oils become saturated with water, and biofuels form bacteria and sludge.

To protect the hygroscopic substances in drums and IBCs, the GIEBEL breathing dryers are a very effective solution.

Whether standing or lying barrels, whether plastic or stainless steel IBCs, whether container respiration or active removal, a properly designed drum ventilation filter ensures dry supply air.

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





ADSORBER BARRELS & IBC



Adsorber	VENT PA-D	VENT PA-R	VENT MA
Usage	Breather Dryer		
Valves	✗	✗	✗
Rechargeable	✗	✓	✓
According to ATEX 2014	✗	✗	✓
Container volume / Maintenance interval			
60 l Fass appr. 75x emptying	vV 140-PA 05.0010.21	vV 150-PA 05.0010.46	
200 l Fass appr. 45x emptying	vV 220-PA 05.0020.05	vV 230-PA 05.0020.76	vV 230-MA 05.0030.57
1000 l IBC appr. 25x emptying	vV 300-PA 05.0030.50	vV 310-PA 05.0030.53	vV 310-MA 05.0040.02

REFERENCES





ACCESSORIES

Accessories			
IBC cover 	IBCD-150 33.0540.00	IBCD-150 33.0540.00	IBCD-150 33.0540.00
	IBCD-225 33.0543.00	IBCD-225 33.0543.00	IBCD-225 33.0543.00
Elbow adapter 	WA-90 03.0000.54	WA-90 03.0000.54	WA-90 03.0000.54
Suction lance 	SAL-BAR 03.0000.84	SAL-BAR 03.0000.84	SAL-BAR 03.0000.84
	SAL-BAR 03.0000.15	SAL-BAR 03.0000.15	SAL-BAR 03.0000.15
	SAL-IBC 03.0000.87	SAL-IBC 03.0000.87	SAL-IBC 03.0000.87
Wall mount 	WH_oSL-HK 03.0000.89	WH_oSL-HK 03.0000.89	WH_oSL-HK 03.0000.89
	WH_BG-SC1,5 03.0000.96	WH_BG-SC1,5 03.0000.96	WH_BG-SC1,5 03.0000.96
	WH_oSL-5 03.0000.90	WH_oSL-5 03.0000.90	WH_oSL-5 03.0000.90

APPLICATIONS

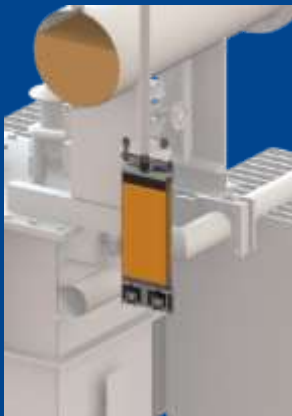
GIEBEL Adsorber® are used for example:

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





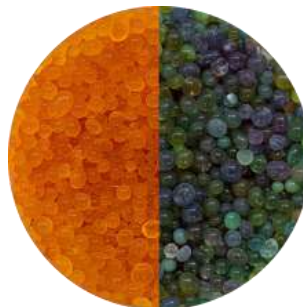
DEHUMIDIFIER FOR TRANSFORMERS



Weather influences as well as constant load changes of transformers provide for temperature fluctuations and thus for pressure equalization with the environment.

The moist ambient air drawn in on cooling leads in the transformer to the hydrolysis of the cellulose paper and thus to a reduction of its degree of polymerization. Dehumidifiers from GIEBEL protect the transformer, in which the moist incoming air is effectively dried and filtered.

In order to prevent the occurrence of damage caused by condensation water, the use of a dehumidifier is an indispensable measure. The inflowing air is dried and thus achieved a strong reduction of the water content and the dew point. In addition to a mechanical valve system and an air filter element, these silica gel dryers use the regeneration capability of the desiccant used.





USE OF THE SERIES VARIO TB



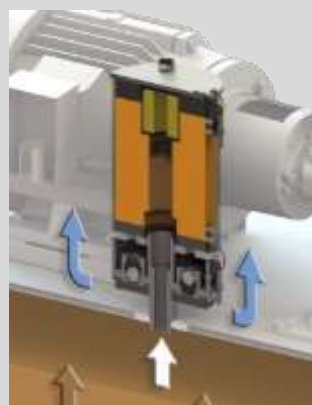
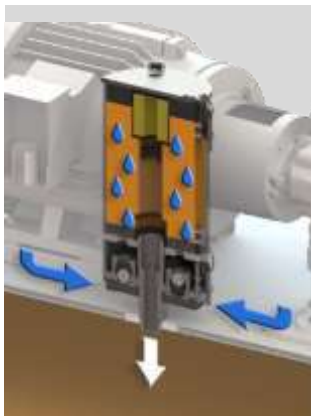
Special feature:

Hanging design, strong aluminum valve part, activated carbon for oil mist and self-regeneration, large frost-proof aluminum valves, equipped with all DIN connections

Application areas:

Excellent air drying, no gluing or freezing of valves, separation of oil aerosols, easy handling without tools, long service intervals due to self-regeneration

USE OF THE SERIES VARIO



Special feature:

Steady design, strong aluminum valve part, large frost-resistant aluminum valves, pre-filter disc against dust, oil extractor for escaping air

Application areas:

Excellent air drying, no sticking or freezing of the valves, separation of oil aerosols, easy handling without tools, long service intervals due to high amount of desiccant



ADSORBER TRANSFORMERS



Adsorber	VARIO PA	VARIO TB PA	VARIO TB ME
Usage	Standing	Hanging	
Valves	✓	✓	✓
Rechargeable	✓	✓	✓
According to ATEX 2014	✗	✗	✓
Offshore / Marine suitable	✗	✗	✓
Transformer power / Oil quantity			
0 – 5 MVA up to 2500 l oil	DV 310-PA 07.0000.24	DV TB 310-PA 06.0005.25	DV TB 310-ME 06.0005.12
5 – 10 MVA up to 5000 l oil	DV 330-PA 07.0001.20	DV TB 330-PA 06.0010.24	DV TB 330-ME 06.0010.09
10 – 30 MVA up to 15000 l oil		DV TB 510-PA 06.0015.19	DV TB 510-ME 06.0015.09
30 – 60 MVA up to 30000 l oil		DV TB 530-PA 06.0020.19	DV TB 530-ME 06.0020.09
60 – 100 MVA up to 50000 l oil		DV TB 560-PA 06.0030.19	DV TB 560-ME 06.0030.28

ACCESSORIES

Adapter II 	AD-II_G1 08.2167.10		
	AD-II_G1-1/4 08.2124.21		
	AD-II_G1-1/2 08.2150.05		
	AD-II_M40x1,5 08.2150.10		



GIEBEL Adsorber®
...setting standards in aeration drying!

REFERENCES



APPLICATIONS

GIEBEL Adsorber® are used for example:

- Distribution transformers
- Traction transformers
- Power transformers for power generation
- Reactors
- High current transformers for the industry
- Arc suppression coils
- Power Transformers
- Machine transformers in power plants
- Transformers for point heaters or train preheating
- and many more !





GIEBEL Adsorber®
...setting standards in aeration drying!



PRODUCT OVERVIEW



VARIO PA

Breather dryer for hydraulic power packs



VARIO MA

Silica gel filter according to ATEX 2014



VARIO ME

Dehumidifiers for offshore applications



VARIO VG

Oil mist separator for hydraulic tanks and gearbox



VENT PA

Breather dryer for gearboxes and turbo transmissions



VENT MA

Breathing filters for barrels and IBC



VARIO TB

Adsorber with valves for long maintenance intervals



HSECURE

Membrane filter for the separation of water



SPARE PART KITS

Spare parts kits with all wearing parts



SILICA GEL

Silica gel for refilling in adsorbers



MOLECULAR SIEVE

Zeolites for very strong air drying



DOCUMENTATION

Certificates, conformities and certificates



ACCESSORIES

Suitable accessories for all applications



VARIO PA-D



The GIEBEL Adsorber of the VARIO PA-D series have a strong aluminum valve part and a disposable replacement cartridge. The handling is very simple, it will only open the latches and the entire cartridge can be changed.

With the stable and frost-proof valve part, these adsorbers are optimally suited for extreme, dusty environmental conditions. It is mainly used on hydraulic units, gearboxes or storage tanks. Due to the large valve cross-sections of the pressure build-up is minimal even at high air currents.

APPLICATIONS



Hydraulic Power
Packs

0 - 3.600 l
Tank volume



Gears

100 - 3.000 l
Oil- & Air volume



Storage Tanks

1.000 - 60.000 l
Tank volume



Transformers

0 – 5 MVA
Power

VERSIONS



DV 300-PA



DV 320-PA



DV 500-PA



DV 520-PA



DV 550-PA



DOCUMENTATION

Product Flyer	Manual	Product Code	Technical Data Sheet	Safety Data Sheet	CAD Data	REACH
available	available	available	available	available	available	compliant

RoHS	Customs	ATEX 2014	EC Conformity	IP Protection	Corrosivity	Food Compliant
compliant	Germany No.84213925	not possible	compliant	IP 66	C4 „high“	possible

OVERVIEW

Version	Article No.	EAN / GTIN	Product Code	Specifications
DUO-VARIO 300-PA	07.0001.19	4260611130008	DV 300-PA_N_11_P3_SA_G1a	Weight: 2,2kg; Silica gel: 0,8kg; Sealing: NBR; Abmessungen: H 305 / D 110/140mm, Anschluss BSP G 1"
	07.0001.13	4260611130015	DV 300-PA_N_11_P3_SA_G34a	Gewicht: 2,2kg; Silicagel: 0,8kg; Dichtung: NBR; Abmessungen: H 305 / D 110/140mm, Anschluss BSP G 3/4"
	07.0001.16	4260611134921	DV 300-PA_N_11_P3_SA_G114a	Gewicht: 2,3kg; Silicagel: 0,8kg; Dichtung: NBR; Abmessungen: H 305 / D 110/140mm, Anschluss BSP G 1-1/4"
	07.0001.18	4260611130022	DV 300-PA_F_11_P3_SA_G1a	Gewicht: 2,2kg; Silicagel: 0,8kg; Dichtung: FKM; Abmessungen: H 305 / D 110/140mm, Anschluss BSP G 1"
DUO-VARIO 320-PA	07.0001.02	4260611130039	DV 320-PA_N_11_P3_SA_G1a	Gewicht: 3,0kg; Silicagel: 1,3kg; Dichtung: NBR; Abmessungen: H 395 / D 110/140mm, Anschluss BSP G 1"
	07.0001.12	4260611130046	DV 320-PA_N_11_P3_SA_G34a	Gewicht: 3,0kg; Silicagel: 1,3kg; Dichtung: NBR; Abmessungen: H 395 / D 110/140mm, Anschluss BSP G 3/4"
	07.0001.17	4260611134938	DV 320-PA_N_11_P3_SA_G114a	Gewicht: 3,1kg; Silicagel: 1,3kg; Dichtung: NBR; Abmessungen: H 395 / D 110/140mm, Anschluss BSP G 1-1/4"
	07.0000.27	4260611130053	DV 320-PA_F_11_P3_SA_G1a	Gewicht: 3,0kg; Silicagel: 1,3kg; Dichtung: FKM; Abmessungen: H 395 / D 110/140mm, Anschluss BSP G 1"
DUO-VARIO 500-PA	08.0000.50	4260611130077	DV 500-PA_N_22_P3_SA_G1a	Gewicht: 4,4kg; Silicagel: 2,2kg; Dichtung: NBR; Abmessungen: H 335 / D 150/190mm, Anschluss BSP G 1"
	08.0000.40	4260611134945	DV 500-PA_N_22_P3_SA_G114a	Gewicht: 4,5kg; Silicagel: 2,2kg; Dichtung: NBR; Abmessungen: H 335 / D 150/190mm, Anschluss BSP G 1-1/4"
	08.0000.49	4260611130084	DV 500-PA_F_22_P3_SA_G1a	Gewicht: 4,5kg; Silicagel: 2,2kg; Dichtung: FKM; Abmessungen: H 335 / D 150/190mm, Anschluss BSP G 1"
	08.0002.24	4260611130091	DV 500-PA_F_40_P3_SA_G1a	Gewicht: 4,5kg; Silicagel: 2,2kg; Dichtung: FKM; Abmessungen: H 335 / D 150/190mm, Anschluss BSP G 1"
DUO-VARIO 520-PA	08.0000.52	4260611130107	DV 520-PA_N_22_P3_SA_G1a	Gewicht: 5,8kg; Silicagel: 3,3kg; Dichtung: NBR; Abmessungen: H 435 / D 150/190mm, Anschluss BSP G 1"
	08.0002.32	4260611130114	DV 520-PA_F_22_P3_SA_G1a	Gewicht: 5,8kg; Silicagel: 3,3kg; Dichtung: FKM; Abmessungen: H 435 / D 150/190mm, Anschluss BSP G 1"
	08.0002.27	4260611130121	DV 520-PA_F_40_P3_SA_G1a	Gewicht: 5,8kg; Silicagel: 3,3kg; Dichtung: FKM; Abmessungen: H 435 / D 150/190mm, Anschluss BSP G 1"
DUO-VARIO 550-PA	08.0000.54	4260611130138	DV 550-PA_N_22_P3_SA_G1a	Gewicht: 7,2kg; Silicagel: 4,5kg; Dichtung: NBR; Abmessungen: H 535 / D 150/190mm, Anschluss BSP G 1"
	08.0002.33	4260611130145	DV 550-PA_F_22_P3_SA_G1a	Gewicht: 7,2kg; Silicagel: 4,5kg; Dichtung: FKM; Abmessungen: H 535 / D 150/190mm, Anschluss BSP G 1"
	08.0000.63	4260611130152	DV 550-PA_F_40_P3_SA_G1a	Gewicht: 7,2kg; Silicagel: 4,5kg; Dichtung: FKM; Abmessungen: H 535 / D 150/190mm, Anschluss BSP G 1"



VARIO PA-R



The GIEBEL Adsorber of the VARIO PA-R series are high-quality ventilation dryers with an aluminum valve part and a refillable cartridge.

The desiccant and all wearing parts can be exchanged very easily. In the valve part are integrated large valves for the aeration and deaeration, which work frost-proof and ensure a low pressure build-up even on large systems.

The replacement of the saturated and discolored desiccant can be done anywhere and very quickly by removing the cartridge.

APPLICATIONS



Hydraulic Power
Packs

0 - 3.600 l
Tank volume



Gears

100 - 3.000 l
Oil & Air volume



Storage Tanks

1.000 - 60.000 l
Tank volume



Transformers

0 – 5 MVA
Power

VERSIONS



DV 310-PA



DV 330-PA



DV 510-PA



DV 530-PA



DV 560-PA



DOCUMENTATION

Product Flyer	Manual	Product Code	Technical Data Sheet	Safety Data Sheet	CAD Data	REACH
available	available	available	available	available	available	compliant

RoHS	Customs	ATEX 2014	EC Conformity	IP Protection	Corrosivity	Food Compliant
compliant	Germany No.84213925	not possible	compliant	IP 66	C4 „high“	possible

OVERVIEW

Version	Article No.		EAN / GTIN	Product Code	Specifications
DUO-VARIO 310-PA	07.0000.24		4260611130275	DV 310-PA_N_11_P3_SA_G1a	Gewicht: 2,5kg; Silicagel: 0,8kg; Dichtung: NBR; Abmessungen: H 310 / D 110/140mm, Anschluss BSP G 1"
	07.0001.29		4260611130282	DV 310-PA_N_11_P3_SA_G34a	Gewicht: 2,5kg; Silicagel: 0,8kg; Dichtung: NBR; Abmessungen: H 310 / D 110/140mm, Anschluss BSP G 3/4"
	07.0000.41		4260611130299	DV 310-PA_F_11_P3_SA_G1a	Gewicht: 2,5kg; Silicagel: 0,8kg; Dichtung: FKM; Abmessungen: H 310 / D 110/140mm, Anschluss BSP G 1"
DUO-VARIO 330-PA	07.0001.20		4260611130305	DV 330-PA_N_11_P3_SA_G1a	Gewicht: 3,3kg; Silicagel: 1,3kg; Dichtung: NBR; Abmessungen: H 410 / D 110/140mm, Anschluss BSP G 1"
	07.0001.30		4260611130312	DV 330-PA_N_11_P3_SA_G34a	Gewicht: 3,3kg; Silicagel: 1,3kg; Dichtung: NBR; Abmessungen: H 410 / D 110/140mm, Anschluss BSP G 3/4"
	07.0001.36		4260611130329	DV 330-PA_F_11_P3_SA_G1a	Gewicht: 3,3kg; Silicagel: 1,3kg; Dichtung: FKM; Abmessungen: H 410 / D 110/140mm, Anschluss BSP G 1"
	07.0001.33		4260611130336	DV 330-PA_F_20_P3_SA_G1a	Gewicht: 3,3kg; Silicagel: 1,3kg; Dichtung: FKM; Abmessungen: H 410 / D 110/140mm, Anschluss BSP G 1"
DUO-VARIO 510-PA	08.0000.51		4260611130343	DV 510-PA_N_22_P3_SA_G1a	Gewicht: 4,7kg; Silicagel: 2,2kg; Dichtung: NBR; Abmessungen: H 335 / D 150/190mm, Anschluss BSP G 1"
	08.0002.34		4260611130350	DV 510-PA_F_22_P3_SA_G1a	Gewicht: 4,7kg; Silicagel: 2,2kg; Dichtung: FKM; Abmessungen: H 335 / D 150/190mm, Anschluss BSP G 1"
	08.0002.35		4260611130367	DV 510-PA_F_40_P3_SA_G1a	Gewicht: 4,7kg; Silicagel: 2,2kg; Dichtung: FKM; Abmessungen: H 335 / D 150/190mm, Anschluss BSP G 1"
DUO-VARIO 530-PA	08.0000.53		4260611130374	DV 530-PA_N_22_P3_SA_G1a	Gewicht: 6,3kg; Silicagel: 3,3kg; Dichtung: NBR; Abmessungen: H 450 / D 150/190mm, Anschluss BSP G 1"
	08.0000.47		4260611130381	DV 530-PA_F_22_P3_SA_G1a	Gewicht: 6,3kg; Silicagel: 3,3kg; Dichtung: FKM; Abmessungen: H 450 / D 150/190mm, Anschluss BSP G 1"
	08.0000.46		4260611130398	DV 530-PA_F_40_P3_SA_G1a	Gewicht: 6,3kg; Silicagel: 3,3kg; Dichtung: FKM; Abmessungen: H 450 / D 150/190mm, Anschluss BSP G 1"
DUO-VARIO 560-PA	08.0000.55		4260611130404	DV 560-PA_N_22_P3_SA_G1a	Gewicht: 7,9kg; Silicagel: 4,5kg; Dichtung: NBR; Abmessungen: H 550 / D 150/190mm, Anschluss BSP G 1"
	08.0002.36		4260611130411	DV 560-PA_F_22_P3_SA_G1a	Gewicht: 7,9kg; Silicagel: 4,5kg; Dichtung: FKM; Abmessungen: H 550 / D 150/190mm, Anschluss BSP G 1"
	08.0000.48		4260611130428	DV 560-PA_F_40_P3_SA_G1a	Gewicht: 7,9kg; Silicagel: 4,5kg; Dichtung: FKM; Abmessungen: H 550 / D 150/190mm, Anschluss BSP G 1"



VARIO MA-D



The VARIO MA-D adsorbers consist of an aluminum housing with valve part and are used for aeration of aggressive substances or for use in harsh environments.

These disposable adsorbers are filled with up to 4 kg of desiccant and can also be used with NBR, FKM or EPDM gaskets for the ventilation of SKYDROL, DOT4 brake fluids and various hydraulic fluids. The VARIO MA series can be used in the Zone II 2 G/D IIC T4 according to the ATEX product guideline 2014/34 / EU.

APPLICATIONS



Hydraulic Power
packs

0 - 3.600 l
Tank volume



Gears

100 - 3.000 l
Oil & Air volume

VERSIONS



DV 300-MA



DV 320-MA



DV 500-MA



DV 520-MA



DV 550-MA



DOCUMENTATION

Product Flyer	Manual	Product Code	Technical Data Sheet	Safety Data Sheet	CAD Data	REACH
available	available	available	available	available	available	compliant

RoHS	Customs	ATEX 2014	EC Conformity	IP Protection	Corrosivity	Food Compliant
compliant	Germany No.84213925	II 2 G/D IIC T4	compliant	IP 66	C4 „high“	possible

OVERVIEW

Version	Article No.		EAN / GTIN	Product Code	Specifications
DUO-VARIO 300-MA	07.0001.58		4260611130534	DV 300-MA_F_11_P3_SA_G1a	Gewicht: 3,0kg; Silicagel: 0,9kg; Dichtung: FKM; Abmessungen: H 295 / D 110/147mm, Anschluss BSP G 1"
DUO-VARIO 320-MA	07.0001.53		4260611130541	DV 320-MA_F_11_P3_SA_G1a	Gewicht: 3,8kg; Silicagel: 1,3kg; Dichtung: FKM; Abmessungen: H 395 / D 110/147mm, Anschluss BSP G 1"
DUO-VARIO 500-MA	08.0003.31		4260611130558	DV 500-MA_F_22_P3_SA_G1a	Gewicht: 5,4kg; Silicagel: 2,3kg; Dichtung: FKM; Abmessungen: H 325 / D 150/192mm, Anschluss BSP G 1"
DUO-VARIO 520-MA	08.0003.39		4260611130565	DV 520-MA_F_22_P3_SA_G1a	Gewicht: 6,9kg; Silicagel: 3,0kg; Dichtung: FKM; Abmessungen: H 425 / D 150/192mm, Anschluss BSP G 1"
DUO-VARIO 550-MA	08.0003.40		4260611130572	DV 550-MA_F_22_P3_SA_G1a	Gewicht: 8,7kg; Silicagel: 4,2kg; Dichtung: FKM; Abmessungen: H 525 / D 150/192mm, Anschluss BSP G 1"



VARIO MA-R



The VARIO MA-R adsorbers consist of an aluminum housing with a valve part and are used for aeration of aggressive substances or for use in harsh environments.

These breathers are rechargeable and the desiccant can be changed after full saturation very easily.

These adsorbers are filled with up to 10 kg desiccant and can also be used with NBR, FKM or EPDM gaskets for the ventilation of SKYDROL, DOT4 brake fluids and other hydraulic fluids. The VARIO MA series can be used in the zone II 2 G/D IIC T4 according to the ATEX product guideline 2014/34 / EU.

APPLICATIONS



**Hydraulic Power
Packs**

**0 – 7.200 l
Tank volume**



Gears

**100 - 3.000 l
Oil & Air volume**

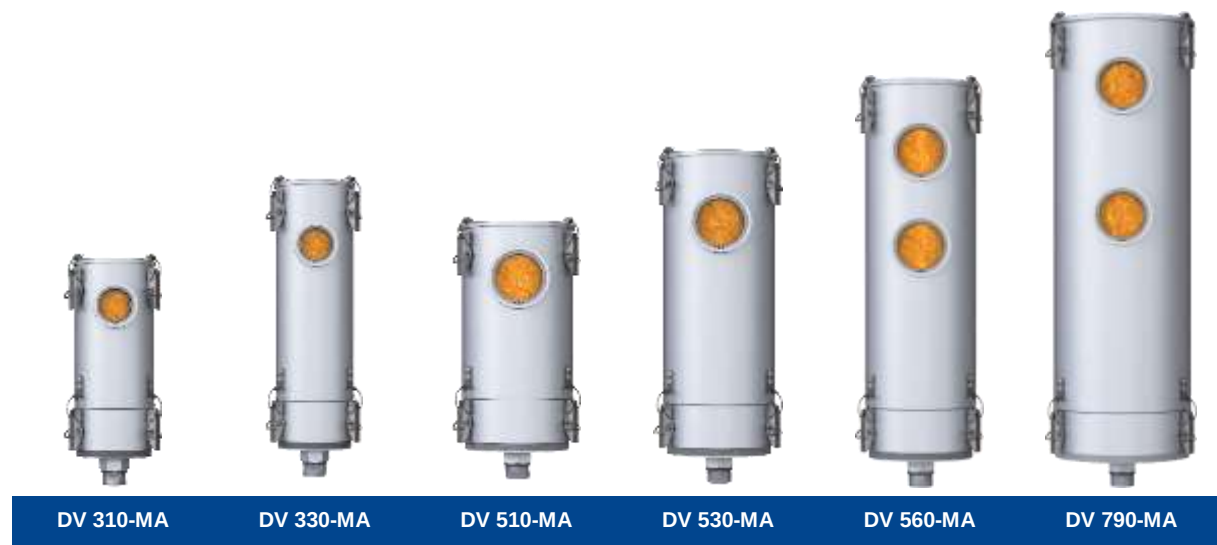


Storage Tanks

**1.000 - 90.000 l
Tank volume**



VERSIONS



DOCUMENTATION

Product Flyer	Manual	Product Code	Technical Data Sheet	Safety Data Sheet	CAD Data	REACH
available	available	available	available	available	available	compliant

RoHS	Customs	ATEX 2014	EC Conformity	IP Protection	Corrosivity	Food Compliant
compliant	Germany No.84213925	II 2 G/D IIC T4	compliant	IP 66	C4 „high“	possible

OVERVIEW

Version	Article No.	EAN / GTIN	Product Code	Specifications
DUO-VARIO 310-MA	07.0000.53	4260611130633	DV 310-MA_F_11_P3_SA_G1a	Gewicht: 3,0kg; Silicagel: 0,9kg; Dichtung: FKM; Abmessungen: H 310 / D 110/147mm, Anschluss BSP G 1"
	07.0001.00	4260611130640	DV 310-MA_F_11_P3_SA_G34a	Gewicht: 3,0kg; Silicagel: 0,9kg; Dichtung: FKM; Abmessungen: H 310 / D 110/147mm, Anschluss BSP G 3/4"
	07.0000.59	4260611130657	DV 310-MA_N_11_P3_SA_G1a	Gewicht: 3,0kg; Silicagel: 0,9kg; Dichtung: NBR; Abmessungen: H 310 / D 110/147mm, Anschluss BSP G 1"
	07.0001.54	4260611130664	DV 310-MA_E_11_P3_SA_G1a	Gewicht: 3,0kg; Silicagel: 0,9kg; Dichtung: EPDM; Abmessungen: H 310 / D 110/147mm, Anschluss BSP G 1"
	07.0001.34	4260611130671	DV 310-MA_F_20_P3_SA_G1a	Gewicht: 3,0kg; Silicagel: 0,9kg; Dichtung: FKM; Abmessungen: H 310 / D 110/147mm, Anschluss BSP G 1"
DUO-VARIO 330-MA	07.0001.26	4260611130688	DV 330-MA_F_11_P3_SA_G1a	Gewicht: 3,9kg; Silicagel: 1,3kg; Dichtung: FKM; Abmessungen: H 410 / D 110/147mm, Anschluss BSP G 1"



	07.0001.10		4260611130695	DV 330-MA_F_11_P3_SA_G34a	Gewicht: 3,9kg; Silicagel: 1,3kg; Dichtung: FKM; Abmessungen: H 410 / D 110/147mm, Anschluss BSP G 3/4"
	07.0000.93		4260611130701	DV 330-MA_N_11_P3_SA_G1a	Gewicht: 3,9kg; Silicagel: 1,3kg; Dichtung: NBR; Abmessungen: H 410 / D 110/147mm, Anschluss BSP G 1"
	07.0001.45		4260611130718	DV 330-MA_E_11_P3_SA_G1a	Gewicht: 3,9kg; Silicagel: 1,3kg; Dichtung: EPDM; Abmessungen: H 410 / D 110/147mm, Anschluss BSP G 1"
	07.0000.36		4260611130725	DV 330-MA_F_20_P3_SA_G1a	Gewicht: 3,9kg; Silicagel: 1,3kg; Dichtung: FKM; Abmessungen: H 410 / D 110/147mm, Anschluss BSP G 1"
DUO-VARIO 510-MA	08.0003.09		4260611130732	DV 510-MA_F_22_P3_SA_G1a	Gewicht: 5,7kg; Silicagel: 2,3kg; Dichtung: FKM; Abmessungen: H 341 / D 150/192mm, Anschluss BSP G 1"
	08.0003.05		4260611130749	DV 510-MA_N_22_P3_SA_G1a	Gewicht: 5,7kg; Silicagel: 2,3kg; Dichtung: NBR; Abmessungen: H 341 / D 150/192mm, Anschluss BSP G 1"
	08.0003.15		4260611130756	DV 510-MA_E_22_P3_SA_G1a	Gewicht: 5,7kg; Silicagel: 2,3kg; Dichtung: EPDM; Abmessungen: H 341 / D 150/192mm, Anschluss BSP G 1"
	08.0003.11		4260611130763	DV 510-MA_F_40_P3_SA_G1a	Gewicht: 5,7kg; Silicagel: 2,3kg; Dichtung: FKM; Abmessungen: H 341 / D 150/192mm, Anschluss BSP G 1"
	08.0003.34		4260611130770	DV 510-MA_E_40_P3_SA_G1a	Gewicht: 5,7kg; Silicagel: 2,3kg; Dichtung: EPDM; Abmessungen: H 341 / D 150/192mm, Anschluss BSP G 1"
DUO-VARIO 530-MA	08.0003.35		4260611130787	DV 530-MA_F_22_P3_SA_G1a	Gewicht: 7,1kg; Silicagel: 3,0kg; Dichtung: FKM; Abmessungen: H 425 / D 150/192mm, Anschluss BSP G 1"
	08.0003.07		4260611130794	DV 530-MA_N_22_P3_SA_G1a	Gewicht: 7,1kg; Silicagel: 3,0kg; Dichtung: NBR; Abmessungen: H 425 / D 150/192mm, Anschluss BSP G 1"
	08.0003.16		4260611130800	DV 530-MA_E_22_P3_SA_G1a	Gewicht: 7,1kg; Silicagel: 3,0kg; Dichtung: EPDM; Abmessungen: H 425 / D 150/192mm, Anschluss BSP G 1"
	08.0003.36		4260611130817	DV 530-MA_F_40_P3_SA_G1a	Gewicht: 7,1kg; Silicagel: 3,0kg; Dichtung: FKM; Abmessungen: H 425 / D 150/192mm, Anschluss BSP G 1"
	08.0003.14		4260611130824	DV 530-MA_E_40_P3_SA_G1a	Gewicht: 7,1kg; Silicagel: 3,0kg; Dichtung: EPDM; Abmessungen: H 425 / D 150/192mm, Anschluss BSP G 1"
DUO-VARIO 560-MA	08.0004.50		4260611130831	DV 560-MA_F_22_P3_SA_G1a	Gewicht: 8,7kg; Silicagel: 4,2kg; Dichtung: FKM; Abmessungen: H 545 / D 150/192mm, Anschluss BSP G 1"
	08.0004.48		4260611130848	DV 560-MA_N_22_P3_SA_G1a	Gewicht: 8,7kg; Silicagel: 4,2kg; Dichtung: NBR; Abmessungen: H 545 / D 150/192mm, Anschluss BSP G 1"
	08.0004.52		4260611130855	DV 560-MA_E_22_P3_SA_G1a	Gewicht: 8,7kg; Silicagel: 4,2kg; Dichtung: EPDM; Abmessungen: H 545 / D 150/192mm, Anschluss BSP G 1"
	08.0004.59		4260611130862	DV 560-MA_F_40_P3_SA_G1a	Gewicht: 8,7kg; Silicagel: 4,2kg; Dichtung: FKM; Abmessungen: H 545 / D 150/192mm, Anschluss BSP G 1"
	08.0004.60		4260611130879	DV 560-MA_E_40_P3_SA_G1a	Gewicht: 8,7kg; Silicagel: 4,2kg; Dichtung: EPDM; Abmessungen: H 545 / D 150/192mm, Anschluss BSP G 1"
DUO-VARIO 790-MA	09.0000.19		4260611130961	DV 790-MA_F_33_P3_SA_G1a	Gewicht: 16,5kg; Silicagel: 9,6kg; Dichtung: FKM; Abmessungen: H 645 / D 190/235mm, Anschluss BSP G 1"
	09.0000.30		4260611130992	DV 790-MA_F_60_P3_SA_G1a	Gewicht: 16,5kg; Silicagel: 9,6kg; Dichtung: FKM; Abmessungen: H 645 / D 190/235mm, Anschluss BSP G 1"
	09.0000.27		4260611130978	DV 790-MA_N_33_P3_SA_G1a	Gewicht: 16,5kg; Silicagel: 9,6kg; Dichtung: NBR; Abmessungen: H 645 / D 190/235mm, Anschluss BSP G 1"
	09.0000.42		4260611130985	DV 790-MA_E_33_P3_SA_G1a	Gewicht: 16,5kg; Silicagel: 9,6kg; Dichtung: EPDM; Abmessungen: H 645 / D 190/235mm, Anschluss BSP G 1"
	09.0000.32		4260611135522	DV 790-MA_E_60_P3_SA_G1a	Gewicht: 16,5kg; Silicagel: 9,6kg; Dichtung: EPDM; Abmessungen: H 645 / D 190/235mm, Anschluss BSP G 1"



VARIO ME-D



The premium adsorbers VARIO ME-D are made entirely of stainless steel 316L. With the separate valve part and 4 kg desiccant, hydraulic tanks and gearboxes with a high pendulum volume will be ventilated in offshore applications.

In addition, these disposable adsorbers provide excellent protection against condensation in the ventilation of solvent tanks and equipment in the chemical, food and pharmaceutical industries. The application according to the ATEX product guideline 2014/34 / EU in the zone II 2 G/D IIC T4 is also possible as well as according to the corrosivity category C5-M.

APPLICATIONS



Hydraulic Power
Packs

0 - 3.600 l
Tank volume



Gears

100 - 3.000 l
Oil & Air volume

VERSIONS



DV 300-ME



DV 320-ME



DV 500-ME



DV 520-ME



DV 550-ME



DOCUMENTATION

						
Product Flyer	Manual	Product Code	Technical Data Sheet	Safety Data Sheet	CAD Data	REACH
available	available	available	available	available	available	compliant

						
RoHS	Customs	ATEX 2014	EC Conformity	IP Protection	Corrosivity	Food Compliant
compliant	Germany No.84213925	II 2 G/D IIC T4	compliant	IP 66	C5-M „high“	possible

OVERVIEW

Version	Article No.		EAN / GTIN	Product Code	Specifications
DUO-VARIO 300-ME	07.0001.27		4260611131234	DV 300-ME_F_11_P3_SA_G1a	Gewicht: 4,9kg; Silicagel: 0,9kg; Dichtung: FKM; Abmessungen: H295 / D 110/147mm, Anschluss BSP G 1"
DUO-VARIO 320-ME	07.0001.46		4260611131241	DV 320-ME_F_11_P3_SA_G1a	Gewicht: 6,1kg; Silicagel: 1,4kg; Dichtung: FKM; Abmessungen: H395 / D 110/147mm, Anschluss BSP G 1"
DUO-VARIO 500-ME	08.0003.00		4260611131258	DV 500-ME_F_22_P3_SA_G1a	Gewicht: 9,1kg; Silicagel: 2,6kg; Dichtung: FKM; Abmessungen: H320 / D 150/196mm, Anschluss BSP G 1"
DUO-VARIO 520-ME	08.0003.28		4260611131265	DV 520-ME_F_22_P3_SA_G1a	Gewicht: 11,3kg; Silicagel: 3,6kg; Dichtung: FKM; Abmessungen: H420 / D 150/196mm, Anschluss BSP G 1"
DUO-VARIO 550-ME	08.0003.29		4260611131272	DV 550-ME_F_22_P3_SA_G1a	Gewicht: 13,7kg; Silicagel: 5,0kg; Dichtung: FKM; Abmessungen: H520 / D 150/196mm, Anschluss BSP G 1"



VARIO ME-R



The premium adsorbers VARIO ME-R are made entirely of stainless steel 316L. The separate valve section and up to 4 kg desiccant can also be used to ventilate large hydraulic tanks, with a high pendulum volume as well as gearboxes and storage tanks in offshore applications.

In addition, these refillable adsorbers offer outstanding protection against condensation in the ventilation of solvent tanks as well as equipment in the chemical, food and pharmaceutical industries. The use according to the ATEX product guideline 2014/34 / EU in the zone II 2 G/D IIC T4 is possible as well as after the corrosiveness category C5-M.

APPLICATIONS



**Hydraulic Power
Packs**

0 – 3.600 l
Tank volume



Gears

100 - 3.000 l
Oil & Air volume



Storage Tanks

1.000 - 60.000 l
Tank volume

VERSIONS



DV 310-ME



DV 330-ME



DV 510-ME



DV 530-ME



DV 560-ME



DOCUMENTATION

Product Flyer	Manual	Product Code	Technical Data Sheet	Safety Data Sheet	CAD Data	REACH
available	available	available	available	available	available	compliant
RoHS	Customs	ATEX 2014	EC Conformity	IP Protection	Corrosivity	Food Compliant
compliant	Germany No.84213925	II 2 G/D IIC T4	compliant	IP 66	C5-M „high“	possible

OVERVIEW

Version	Article No.		EAN / GTIN	Product Code	Specifications
DUO-VARIO 310-ME	07.0001.09		4260611131333	DV 310-ME_F_11_P3_SA_G1a	Gewicht: 4,9kg; Silicagel: 0,9kg; Dichtung: FKM; Abmessungen: H 310 / D 110/147mm, Anschluss BSP G 1"
	07.0001.22		4260611131340	DV 310-ME_F_11_P3_SA_G34a	Gewicht: 4,9kg; Silicagel: 0,9kg; Dichtung: FKM; Abmessungen: H 310 / D 110/147mm, Anschluss BSP G 3/4"
DUO-VARIO 330-ME	07.0001.41		4260611131357	DV 330-ME_F_11_P3_SA_G1a	Gewicht: 6,1kg; Silicagel: 1,4kg; Dichtung: FKM; Abmessungen: H 410 / D 110/147mm, Anschluss BSP G 1"
	07.0001.51		4260611131364	DV 330-ME_F_11_P3_SA_G34a	Gewicht: 6,1kg; Silicagel: 1,4kg; Dichtung: FKM; Abmessungen: H 410 / D 110/147mm, Anschluss BSP G 3/4"
	07.0001.52		4260611131371	DV 330-ME_F_20_P3_SA_G1a	Gewicht: 6,1kg; Silicagel: 1,4kg; Dichtung: FKM; Abmessungen: H 410 / D 110/147mm, Anschluss BSP G 1"
	07.0001.80		4260611135461	DV 330-ME_E_11_P3_SA_G1a	Gewicht: 6,1kg; Silicagel: 1,4kg; Dichtung: EPDM; Abmessungen: H 410 / D 110/147mm, Anschluss BSP G 1"
DUO-VARIO 510-ME	08.0003.01		4260611131388	DV 510-ME_F_22_P3_SA_G1a	Gewicht: 9,3kg; Silicagel: 2,6kg; Dichtung: FKM; Abmessungen: H 345 / D 150/196mm, Anschluss BSP G 1"
	08.0003.19		4260611131395	DV 510-ME_F_40_P3_SA_G1a	Gewicht: 9,3kg; Silicagel: 2,6kg; Dichtung: FKM; Abmessungen: H 345 / D 150/196mm, Anschluss BSP G 1"
	08.0002.71		4260611135478	DV 510-ME_E_22_P3_SA_G1a	Gewicht: 9,3kg; Silicagel: 2,6kg; Dichtung: EPDM; Abmessungen: H 345 / D 150/196mm, Anschluss BSP G 1"
	08.0003.22		4260611135485	DV 510-ME_E_40_P3_SA_G1a	Gewicht: 9,3kg; Silicagel: 2,6kg; Dichtung: EPDM; Abmessungen: H 345 / D 150/196mm, Anschluss BSP G 1"
DUO-VARIO 530-ME	08.0003.03		4260611131401	DV 530-ME_F_22_P3_SA_G1a	Gewicht: 11,5kg; Silicagel: 3,6kg; Dichtung: FKM; Abmessungen: H 445 / D 150/196mm, Anschluss BSP G 1"
	08.0003.24		4260611131418	DV 530-ME_F_40_P3_SA_G1a	Gewicht: 11,5kg; Silicagel: 3,6kg; Dichtung: FKM; Abmessungen: H 445 / D 150/196mm, Anschluss BSP G 1"
	08.0002.50		4260611135492	DV 530-ME_E_22_P3_SA_G1a	Gewicht: 11,5kg; Silicagel: 3,6kg; Dichtung: EPDM; Abmessungen: H 445 / D 150/196mm, Anschluss BSP G 1"
	08.0003.26		4260611135508	DV 530-ME_E_40_P3_SA_G1a	Gewicht: 11,5kg; Silicagel: 3,6kg; Dichtung: EPDM; Abmessungen: H 445 / D 150/196mm, Anschluss BSP G 1"
DUO-VARIO 560-ME	08.0003.20		4260611131425	DV 560-ME_F_22_P3_SA_G1a	Gewicht: 13,8kg; Silicagel: 5,0kg; Dichtung: FKM; Abmessungen: H 545 / D 150/196mm, Anschluss BSP G 1"
	08.0003.21		4260611131432	DV 560-ME_F_40_P3_SA_G1a	Gewicht: 13,8kg; Silicagel: 5,0kg; Dichtung: FKM; Abmessungen: H 545 / D 150/196mm, Anschluss BSP G 1"
	08.0003.41		4260611135515	DV 560-ME_E_22_P3_SA_G1a	Gewicht: 13,8kg; Silicagel: 5,0kg; Dichtung: EPDM; Abmessungen: H 545 / D 150/196mm, Anschluss BSP G 1"
	08.0003.25		4260611135430	DV 560-ME_E_40_P3_SA_G1a	Gewicht: 13,8kg; Silicagel: 5,0kg; Dichtung: EPDM; Abmessungen: H 545 / D 150/196mm, Anschluss BSP G 1"



VARIO VG PA-D



The GIEBEL adsorbers of the VARIO VG PA-D series are oil mist separators and are used both for the adsorption of oil mist and for air drying. The combination of a wheel, oil demister and a high amount of activated carbon, cleans the escaping air from hydraulic tanks or gearboxes and protects the environment from contamination with oil.

It is used, for example, for turbo gearboxes, test benches and oil circulation lubrication. At this usage the efficient functioning of the VARIO VG series shows very quickly. The special construction prevents the escape of larger and smaller oil aerosols.

APPLICATIONS



Hydraulic Power
Packs

0 - 3.600 l
Tank volume



Gears

100 - 3.000 l
Oil & Air volume

VERSIONS



DV 320-PA



DV 520-PA



DV 550-PA



DOCUMENTATION

Product Flyer	Manual	Product Code	Technical Data Sheet	Safety Data Sheet	CAD Data	REACH
available	available	available	available	available	available	compliant

RoHS	Customs	ATEX 2014	EC Conformity	IP Protection	Corrosivity	Food Compliant
compliant	Germany No.84213925	Not possible	compliant	IP 63	C4 „high“	possible

OVERVIEW

Version	Article No.		EAN / GTIN	Product Code	Specifications
DUO-VARIO VG 320-PA	07.0001.56		4260611131494	DV VG 320-PA_N_00_G1_SA_G1a	Gewicht: 2,6kg; Aktivkohle: 0,6kg; Dichtung: NBR; Abmessungen: H400 / D110/140mm, Anschluss BSP G 1"
	07.0001.23		4260611131500	DV VG 320-PA_N_00_G1_SA_G34a	Gewicht: 2,6kg; Aktivkohle: 0,6kg; Dichtung: NBR; Abmessungen: H400 / D110/140mm, Anschluss G 3/4"
DUO-VARIO VG 520-PA	08.0002.02		4260611131517	DV VG 520-PA_N_00_G1_SA_G1a	Gewicht: 4,8kg; Aktivkohle: 1,4kg; Dichtung: NBR; Abmessungen: H440 / D150/182mm, Anschluss BSP G 1"
DUO-VARIO VG 550-PA	08.0002.08		4260611131524	DV VG 550-PA_N_00_G1_SA_G1a	Gewicht: 5,9kg; Aktivkohle: 2,2kg; Dichtung: NBR; Abmessungen: H540 / D150/182mm, Anschluss BSP G 1"



VARIO VG PA-R



The GIEBEL adsorbers of the VARIO VG PA-R series are re-fillable oil mist separators and are used for the adsorption of oil mist as well as for air drying. The combination of a wheel, oil demister and a high amount of activated carbon, cleans the escaping air from hydraulic tanks or gears and protects the environment from contamination with oil.

Due to the possibility of exchanging the activated carbon and the dry granulate as well as the wear parts, the operating costs remain low even with high quantities of oil mist and thus short maintenance intervals.

APPLICATIONS



Hydraulic Power
Packs

0 - 3.600 l
Tank volume



Gears

100 - 3.000 l
Oil & Air volume

VERSIONS



DV 330-PA



DV 530-PA



DV 560-PA



DOCUMENTATION

Product Flyer	Manual	Product Code	Technical Data Sheet	Safety Data Sheet	CAD Data	REACH
available	available	available	available	available	available	compliant

RoHS	Customs	ATEX 2014	EC Conformity	IP Protection	Corrosivity	Food Compliant
compliant	Germany No.84213925	Not possible	compliant	IP 63	C4 „high“	possible

OVERVIEW

Version	Article No.	EAN / GTIN	Product Code	Specifications
DUO-VARIO VG 330-PA	07.0001.57	4260611131562	DV VG 330-PA_N_00_G1_SA_G1a	Gewicht: 2,8kg; Aktivkohle: 0,6kg; Dichtung: NBR; Abmessungen: H410 / D110/140mm, Anschluss BSP G 1"
	07.0001.43	4260611131579	DV VG 330-PA_N_00_G1_SA_G34a	Gewicht: 2,8kg; Aktivkohle: 0,6kg; Dichtung: NBR; Abmessungen: H410 / D110/140mm, Anschluss G 3/4"
DUO-VARIO VG 530-PA	08.0002.05	4260611131586	DV VG 530-PA_N_00_G1_SA_G1a	Gewicht: 5,0kg; Aktivkohle: 1,4kg; Dichtung: NBR; Abmessungen: H445 / D150/182mm, Anschluss BSP G 1"
DUO-VARIO VG 560-PA	08.0002.15	4260611131593	DV VG 560-PA_N_00_G1_SA_G1a	Gewicht: 6,2kg; Aktivkohle: 2,2kg; Dichtung: NBR; Abmessungen: H545 / D150/182mm, Anschluss BSP G 1"



VENT PA-D



The GIEBEL adsorbers of the VENT PA-D series are cost-effective solutions with valves (mV) and without valves (oV). This fulfills important requirements and ensures efficient use. These adsorbers are filled with the desiccant silica gel from 0.1 up to 3 kg.

With a 3µm filter, the sucked air is completely cleaned and dried by this silica gel. An activated carbon layer adsorbs the oil mist and protects the desiccant and the environment. By replacing the entire cartridge the maintenance costs is very low.

APPLICATIONS



Hydraulic Power
Packs

0 – 1.800 l
Tank volume



Gears

100 - 3.000 l
Oil & Air volume



Barrels & IBC

60 – 200 l Barrels
1.000 l IBC

VERSIONS



vV 120-PA



vV 140-PA



vV 200-PA



vV 220-PA



vV 300-PA



vV 320-PA



vV 500-PA



vV 520-PA



DOCUMENTATION

Product Flyer	Manual	Product Code	Technical Data Sheet	Safety Data Sheet	CAD Data	REACH
available	available	available	available	available	available	compliant
RoHS	Customs	ATEX 2014	EC Conformity	IP Protection	Corrosivity	Food Compliant
compliant	Germany No.84213925	Not possible	compliant	IP 63 (oV) IP 66 (mV)	C5-M „high“	possible

OVERVIEW (oV)

Version	Article No.		EAN / GTIN	Product Code	Specifications
varioVENT 120-PA	05.0010.36		4260611131630	vV 120-PA_N_00_V2_S_G12a	Gewicht: 0,2kg; Silicagel: 0,1kg; Dichtung: NBR; Abmessungen: H 95 / D 60/70mm, Anschluss BSP G 1/2"
	05.0010.04		4260611131647	vV 120-PA_N_00_V2_S_G38a	Gewicht: 0,2kg; Silicagel: 0,1kg; Dichtung: NBR; Abmessungen: H 95 / D 60/70mm, Anschluss BSP G 3/8"
	05.0010.02		4260611131654	vV 120-PA_N_00_V2_S_G38i	Gewicht: 0,2kg; Silicagel: 0,1kg; Dichtung: NBR; Abmessungen: H 80 / D 60/70mm, Anschluss BSP G 3/8" IG
varioVENT 140-PA	05.0010.42		4260611131661	vV 140-PA_N_00_V2_S_G12a	Gewicht: 0,3kg; Silicagel: 0,2kg; Dichtung: NBR; Abmessungen: H 135 / D 60/70mm, Anschluss BSP G 1/2"
	05.0010.08		4260611131678	vV 140-PA_N_00_V2_S_G38a	Gewicht: 0,3kg; Silicagel: 0,2kg; Dichtung: NBR; Abmessungen: H 135 / D 60/70mm, Anschluss BSP G 3/8"
	05.0010.21		4260611131685	vV 140-PA_N_00_V2_S_G34a	Gewicht: 0,3kg; Silicagel: 0,2kg; Dichtung: NBR; Abmessungen: H 140 / D 60/70mm, Anschluss BSP G 3/4"
	05.0010.06		4260611131692	vV 140-PA_N_00_V2_S_G38i	Gewicht: 0,3kg; Silicagel: 0,2kg; Dichtung: NBR; Abmessungen: H 125 / D 60/70mm, Anschluss BSP G 3/8" IG
varioVENT 200-PA	05.0020.29		4260611131708	vV 200-PA_N_00_P3_SA_G1a	Gewicht: 0,7kg; Silicagel: 0,3kg; Dichtung: NBR; Abmessungen: H 145 / D 90/100mm, Anschluss BSP G 1"
	05.0020.04		4260611131715	vV 200-PA_N_00_P3_SA_G34a	Gewicht: 0,7kg; Silicagel: 0,3kg; Dichtung: NBR; Abmessungen: H 145 / D 90/100mm, Anschluss BSP G 3/4"
	05.0020.08		4260611131722	vV 200-PA_N_00_P3_SA_G34i	Gewicht: 0,7kg; Silicagel: 0,3kg; Dichtung: NBR; Abmessungen: H 130 / D 90/100mm, Anschluss BSP G 3/4" IG
varioVENT 220-PA	05.0020.32		4260611131739	vV 220-PA_N_00_P3_SA_G1a	Gewicht: 1,0kg; Silicagel: 0,5kg; Dichtung: NBR; Abmessungen: H 205 / D 90/100mm, Anschluss BSP G 1"
	05.0020.05		4260611131746	vV 220-PA_N_00_P3_SA_G34a	Gewicht: 1,0kg; Silicagel: 0,5kg; Dichtung: NBR; Abmessungen: H 205 / D 90/100mm, Anschluss BSP G 3/4"
	05.0020.09		4260611131753	vV 220-PA_N_00_P3_SA_G34i	Gewicht: 1,0kg; Silicagel: 0,5kg; Dichtung: NBR; Abmessungen: H 190 / D 90/100mm, Anschluss BSP G 3/4" IG
varioVENT 300-PA	05.0030.50		4260611131760	vV 300-PA_N_00_P3_SA_G1a	Gewicht: 1,5kg; Silicagel: 0,9kg; Dichtung: NBR; Abmessungen: H 220 / D 110/120mm, Anschluss BSP G 1"
	05.0030.04		4260611131777	vV 300-PA_N_00_P3_SA_G34a	Gewicht: 1,5kg; Silicagel: 0,9kg; Dichtung: NBR; Abmessungen: H 220 / D 110/120mm, Anschluss BSP G 3/4"
	05.0030.08		4260611131784	vV 300-PA_N_00_P3_SA_G34i	Gewicht: 1,5kg; Silicagel: 0,9kg; Dichtung: NBR; Abmessungen: H 205 / D 110/120mm, Anschluss BSP G 3/4" IG
varioVENT 320-PA	05.0030.93		4260611131791	vV 320-PA_N_00_P3_SA_G1a	Gewicht: 2,2kg; Silicagel: 1,4kg; Dichtung: NBR; Abmessungen: H 320 / D 110/120mm, Anschluss BSP G 1"
	05.0030.05		4260611131807	vV 320-PA_N_00_P3_SA_G34a	Gewicht: 2,2kg; Silicagel: 1,4kg; Dichtung: NBR; Abmessungen: H 320 / D 110/120mm, Anschluss BSP G 3/4"



	05.0030.09		4260611131814	vV 320-PA_N_00_P3_SA_G34i	Gewicht: 2,2kg; Silicagel: 1,4kg; Dichtung: NBR; Abmessungen: H 305 / D 110/120mm, Anschluss BSP G 3/4" IG
varioVENT 500-PA	05.0060.16		4260611131821	vV 500-PA_N_00_P3_SA_G1a	Gewicht: 3,4kg; Silicagel: 2,3kg; Dichtung: NBR; Abmessungen: H 260 / D 150/160mm, Anschluss BSP G 1"
	05.0060.08		4260611131838	vV 500-PA_N_00_P3_SA_G1i	Gewicht: 3,4kg; Silicagel: 2,3kg; Dichtung: NBR; Abmessungen: H 245 / D 150/160mm, Anschluss BSP G 1" IG
varioVENT 520-PA	05.0060.19		4260611131845	vV 520-PA_N_00_P3_SA_G1a	Gewicht: 4,8kg; Silicagel: 3,3kg; Dichtung: NBR; Abmessungen: H 360 / D 150/160mm, Anschluss BSP G 1"
	05.0060.09		4260611131852	vV 520-PA_N_00_P3_SA_G1i	Gewicht: 4,8kg; Silicagel: 3,3kg; Dichtung: NBR; Abmessungen: H 345 / D 150/160mm, Anschluss BSP G 1" IG

OVERVIEW (mV)

Version	Article No.		EAN / GTIN	Product Code	Specifications
varioVENT 120-PA	05.0010.43		4260611131869	vV 120-PA_N_11_V2_S_G12a	Gewicht: 0,2kg; Silicagel: 0,1kg; Dichtung: NBR; Abmessungen: H 100 / D 60/70mm, Anschluss BSP G 1/2"
	05.0010.03		4260611131876	vV 120-PA_N_11_V2_S_G38a	Gewicht: 0,2kg; Silicagel: 0,1kg; Dichtung: NBR; Abmessungen: H 100 / D 60/70mm, Anschluss BSP G 3/8"
	05.0010.01		4260611131883	vV 120-PA_N_11_V2_S_G38i	Gewicht: 0,2kg; Silicagel: 0,1kg; Dichtung: NBR; Abmessungen: H 85 / D 60/70mm, Anschluss BSP G 3/8" IG
varioVENT 140-PA	05.0010.44		4260611131890	vV 140-PA_N_11_V2_S_G12a	Gewicht: 0,3kg; Silicagel: 0,2kg; Dichtung: NBR; Abmessungen: H 145 / D 60/70mm, Anschluss BSP G 1/2"
	05.0010.07		4260611131906	vV 140-PA_N_11_V2_S_G38a	Gewicht: 0,3kg; Silicagel: 0,2kg; Dichtung: NBR; Abmessungen: H 145 / D 60/70mm, Anschluss BSP G 3/8"
	05.0010.05		4260611131913	vV 140-PA_N_11_V2_S_G38i	Gewicht: 0,3kg; Silicagel: 0,2kg; Dichtung: NBR; Abmessungen: H 130 / D 60/70mm, Anschluss BSP G 3/8" IG
varioVENT 200-PA	05.0020.64		4260611131920	vV 200-PA_N_11_P3_SA_G1a	Gewicht: 0,8kg; Silicagel: 0,3kg; Dichtung: NBR; Abmessungen: H 150 / D 90/100mm, Anschluss BSP G 1"
	05.0020.66		4260611134914	vV 200-PA_N_11_P3_SA_G34a	Gewicht: 0,8kg; Silicagel: 0,3kg; Dichtung: NBR; Abmessungen: H 150 / D 90/100mm, Anschluss BSP G 3/4"
	05.0020.01		4260611131937	vV 200-PA_N_11_P3_SA_G34i	Gewicht: 0,8kg; Silicagel: 0,3kg; Dichtung: NBR; Abmessungen: H 135 / D 90/100mm, Anschluss BSP G 3/4" IG
varioVENT 220-PA	05.0020.25		4260611131944	vV 220-PA_N_11_P3_SA_G1a	Gewicht: 1,1kg; Silicagel: 0,5kg; Dichtung: NBR; Abmessungen: H 210 / D 90/100mm, Anschluss BSP G 1"
	05.0020.22		4260611134907	vV 220-PA_N_11_P3_SA_G34a	Gewicht: 1,1kg; Silicagel: 0,5kg; Dichtung: NBR; Abmessungen: H 210 / D 90/100mm, Anschluss BSP G 3/4"
	05.0020.11		4260611131951	vV 220-PA_N_11_P3_SA_G34i	Gewicht: 1,1kg; Silicagel: 0,5kg; Dichtung: NBR; Abmessungen: H 195 / D 90/100mm, Anschluss BSP G 3/4" IG
varioVENT 300-PA	05.0030.20		4260611131968	vV 300-PA_N_22_P3_SA_G1a	Gewicht: 1,6kg; Silicagel: 0,9kg; Dichtung: NBR; Abmessungen: H 225 / D 110/120mm, Anschluss BSP G 1"
	05.0030.02		4260611131975	vV 300-PA_N_22_P3_SA_G34a	Gewicht: 1,6kg; Silicagel: 0,9kg; Dichtung: NBR; Abmessungen: H 225 / D 110/120mm, Anschluss BSP G 3/4"
	05.0030.01		4260611131982	vV 300-PA_N_22_P3_SA_G34i	Gewicht: 1,6kg; Silicagel: 0,9kg; Dichtung: NBR; Abmessungen: H 210 / D 110/120mm, Anschluss BSP G 3/4" IG
varioVENT 320-PA	05.0030.26		4260611131999	vV 320-PA_N_22_P3_SA_G1a	Gewicht: 2,3kg; Silicagel: 1,4kg; Dichtung: NBR; Abmessungen: H 325 / D 110/120mm, Anschluss BSP G 1"
	05.0030.10		4260611132002	vV 320-PA_N_22_P3_SA_G34a	Gewicht: 2,3kg; Silicagel: 1,4kg; Dichtung: NBR; Abmessungen: H 325 / D 110/120mm, Anschluss BSP G 3/4"
	05.0030.03		4260611132019	vV 320-PA_N_22_SA_P3_G34i	Gewicht: 2,3kg; Silicagel: 1,4kg; Dichtung: NBR; Abmessungen: H 310 / D 110/120mm, Anschluss BSP G 3/4" IG
varioVENT 500-PA	05.0060.15		4260611132026	vV 500-PA_N_22_P3_SA_G1a	Gewicht: 3,4kg; Silicagel: 2,3kg; Dichtung: NBR; Abmessungen: H 260 / D 150/160mm, Anschluss BSP G 1"
	05.0060.01		4260611132033	vV 500-PA_N_22_P3_SA_G1i	Gewicht: 3,4kg; Silicagel: 2,3kg; Dichtung: NBR; Abmessungen: H 245 / D 150/160mm, Anschluss BSP G 1" IG
varioVENT 520-PA	05.0060.18		4260611132040	vV 520-PA_N_22_P3_SA_G1a	Gewicht: 4,8kg; Silicagel: 3,3kg; Dichtung: NBR; Abmessungen: H 360 / D 150/160mm, Anschluss BSP G 1"
	05.0060.17		4260611132057	vV 520-PA_N_22_P3_SA_G1i	Gewicht: 4,8kg; Silicagel: 3,3kg; Dichtung: NBR; Abmessungen: H 345 / D 150/160mm, Anschluss BSP G 1" IG



VENT PA-R



The refillable desiccant filters VENT PA-R can be equipped with valves (mV) or without plastic valves (oV). Due to the possibility of replacing the desiccant and wear parts, these adsorbers have low operating costs. Especially in systems with a permanent air exchange and a shorter service life associated with it, the use of a refillable version makes sense and saves money.

Used without valves, the pressure build-up is minimal and recommended for use on IBC and hydraulic tanks. With valves, these adsorbers have a long maintenance time and an efficient drying rate.

APPLICATIONS



Hydraulic Power
Packs

0 – 1.800 l
Tank volume



Gears

100 - 3.000 l
Oil & Air volume



Barrels & IBC

60 – 200 l Barrels
1.000 l IBC

VERSIONS



vV 130-PA



vV 150-PA



vV 210-PA



vV 230-PA



vV 310-PA



vV 330-PA



vV 510-PA



vV 530-PA



DOCUMENTATION

Product Flyer	Manual	Product Code	Technical Data Sheet	Safety Data Sheet	CAD Data	REACH
available	available	available	available	available	available	compliant
RoHS	Customs	ATEX 2014	EC Conformity	IP Protection	Corrosivity	Food Compliant
compliant	Germany No.84213925	Not possible	compliant	IP 63 (oV) IP 66 (mV)	C4 „high“	possible

OVERVIEW (oV)

Version	Article No.		EAN / GTIN	Product Code	Specifications
varioVENT 130-PA	05.0010.27		4260611132064	vV 130-PA_N_00_V2_S_G12a	Gewicht: 0,2kg; Silicagel: 0,1kg; Dichtung: NBR; Abmessungen: H 105 / D 60/70mm, Anschluss BSP G 1/2"
	05.0010.12		4260611132071	vV 130-PA_N_00_V2_S_G38a	Gewicht: 0,2kg; Silicagel: 0,1kg; Dichtung: NBR; Abmessungen: H 105 / D 60/70mm, Anschluss BSP G 3/8"
	05.0010.10		4260611132088	vV 130-PA_N_00_V2_S_G38i	Gewicht: 0,2kg; Silicagel: 0,1kg; Dichtung: NBR; Abmessungen: H 90 / D 60/70mm, Anschluss BSP G 3/8" IG
varioVENT 150-PA	05.0010.28		4260611132095	vV 150-PA_N_00_V2_S_G12a	Gewicht: 0,3kg; Silicagel: 0,2kg; Dichtung: NBR; Abmessungen: H 150 / D 60/70mm, Anschluss BSP G 1/2"
	05.0010.46		4260611132101	vV 150-PA_N_00_V2_S_G34a	Gewicht: 0,3kg; Silicagel: 0,2kg; Dichtung: NBR; Abmessungen: H 150 / D 60/70mm, Anschluss BSP G 3/4"
	05.0010.16		4260611132118	vV 150-PA_N_00_V2_S_G38a	Gewicht: 0,3kg; Silicagel: 0,2kg; Dichtung: NBR; Abmessungen: H 150 / D 60/70mm, Anschluss BSP G 3/8"
	05.0010.14		4260611132125	vV 150-PA_N_00_V2_S_G38i	Gewicht: 0,3kg; Silicagel: 0,2kg; Dichtung: NBR; Abmessungen: H 135 / D 60/70mm, Anschluss BSP G 3/8" IG
varioVENT 210-PA	05.0020.56		4260611132132	vV 210-PA_N_00_P3_SA_G1a	Gewicht: 1,0kg; Silicagel: 0,3kg; Dichtung: NBR; Abmessungen: H 170 / D 90/130mm, Anschluss BSP G 1"
	05.0020.57		4260611132149	vV 210-PA_N_00_P3_SA_G34a	Gewicht: 1,0kg; Silicagel: 0,3kg; Dichtung: NBR; Abmessungen: H 170 / D 90/130mm, Anschluss BSP G 3/4"
	05.0020.15		4260611132156	vV 210-PA_N_00_P3_SA_G34i	Gewicht: 1,0kg; Silicagel: 0,3kg; Dichtung: NBR; Abmessungen: H 155 / D 90/130mm, Anschluss BSP G 3/4" IG
varioVENT 230-PA	05.0020.78		4260611132163	vV 230-PA_N_00_P3_SA_G1a	Gewicht: 1,3kg; Silicagel: 0,5kg; Dichtung: NBR; Abmessungen: H 230 / D 90/130mm, Anschluss BSP G 1"
	05.0020.76		4260611132170	vV 230-PA_N_00_P3_SA_G34a	Gewicht: 1,3kg; Silicagel: 0,5kg; Dichtung: NBR; Abmessungen: H 230 / D 90/130mm, Anschluss BSP G 3/4"
	05.0020.19		4260611132187	vV 230-PA_N_00_P3_SA_G34i	Gewicht: 1,3kg; Silicagel: 0,5kg; Dichtung: NBR; Abmessungen: H 215 / D 90/130mm, Anschluss BSP G 3/4" IG
varioVENT 310-PA	05.0030.53		4260611132194	vV 310-PA_N_00_P3_SA_G1a	Gewicht: 1,9kg; Silicagel: 0,8kg; Dichtung: NBR; Abmessungen: H 245 / D 110/150mm, Anschluss BSP G 1"
	05.0030.13		4260611132200	vV 310-PA_N_00_P3_SA_G34a	Gewicht: 1,9kg; Silicagel: 0,8kg; Dichtung: NBR; Abmessungen: H 245 / D 110/150mm, Anschluss BSP G 3/4"
	05.0030.12		4260611132217	vV 310-PA_N_00_P3_SA_G34i	Gewicht: 1,9kg; Silicagel: 0,8kg; Dichtung: NBR; Abmessungen: H 230 / D 110/150mm, Anschluss BSP G 3/4" IG
varioVENT 330-PA	05.0030.19		4260611132224	vV 330-PA_N_00_P3_SA_G1a	Gewicht: 2,6kg; Silicagel: 1,3kg; Dichtung: NBR; Abmessungen: H 345 / D 110/150mm, Anschluss BSP G 1"
	05.0030.16		4260611132231	vV 330-PA_N_00_P3_SA_G34a	Gewicht: 2,6kg; Silicagel: 1,3kg; Dichtung: NBR; Abmessungen: H 345 / D 110/150mm, Anschluss BSP G 3/4"



	05.0030.15		4260611132248	vV 330-PA_N_00_P3_SA_G34i	Gewicht: 2,6kg; Silicagel: 1,3kg; Dichtung: NBR; Abmessungen: H 330 / D 110/150mm, Anschluss BSP G 3/4" IG
varioVENT 510-PA	05.0060.10		4260611132255	vV 510-PA_N_00_P3_SA_G1a	Gewicht: 3,6kg; Silicagel: 2,0kg; Dichtung: NBR; Abmessungen: H 260 / D 150/185mm, Anschluss BSP G 1"
	05.0060.29		4260611132262	vV 510-PA_N_00_P3_SA_G1i	Gewicht: 3,6kg; Silicagel: 2,0kg; Dichtung: NBR; Abmessungen: H 245 / D 150/185mm, Anschluss BSP G 1" IG
varioVENT 530-PA	05.0060.33		4260611132279	vV 530-PA_N_00_P3_SA_G1a	Gewicht: 5,3kg; Silicagel: 3,1kg; Dichtung: NBR; Abmessungen: H 360 / D 150/185mm, Anschluss BSP G 1"
	05.0060.31		4260611132286	vV 530-PA_N_00_P3_SA_G1i	Gewicht: 5,3kg; Silicagel: 3,1kg; Dichtung: NBR; Abmessungen: H 345 / D 150/185mm, Anschluss BSP G 1" IG

OVERVIEW (mV)

Version	Article No.		EAN / GTIN	Product Code	Specifications
varioVENT 130-PA	05.0010.37		4260611132293	vV 130-PA_N_11_V2_S_G12a	Gewicht: 0,2kg; Silicagel: 0,1kg; Dichtung: NBR; Abmessungen: H 100 / D 60/70mm, Anschluss BSP G 1/2"
	05.0010.11		4260611132309	vV 130-PA_N_11_V2_S_G38a	Gewicht: 0,2kg; Silicagel: 0,1kg; Dichtung: NBR; Abmessungen: H 100 / D 60/70mm, Anschluss BSP G 3/8"
	05.0010.09		4260611132316	vV 130-PA_N_11_V2_S_G38i	Gewicht: 0,2kg; Silicagel: 0,1kg; Dichtung: NBR; Abmessungen: H 85 / D 60/70mm, Anschluss BSP G 3/8" IG
varioVENT 150-PA	05.0010.17		4260611132323	vV 150-PA_N_11_V2_S_G12a	Gewicht: 0,3kg; Silicagel: 0,2kg; Dichtung: NBR; Abmessungen: H 145 / D 60/70mm, Anschluss BSP G 1/2"
	05.0010.15		4260611132330	vV 150-PA_N_11_V2_S_G38a	Gewicht: 0,3kg; Silicagel: 0,2kg; Dichtung: NBR; Abmessungen: H 145 / D 60/70mm, Anschluss BSP G 3/8"
	05.0010.13		4260611132347	vV 150-PA_N_11_V2_S_G38i	Gewicht: 0,3kg; Silicagel: 0,2kg; Dichtung: NBR; Abmessungen: H 130 / D 60/70mm, Anschluss BSP G 3/8" IG
varioVENT 210-PA	05.0020.30		4260611132354	vV 210-PA_N_11_P3_SA_G1a	Gewicht: 1,0kg; Silicagel: 0,3kg; Dichtung: NBR; Abmessungen: H 165 / D 90/130mm, Anschluss BSP G 1"
	05.0020.06		4260611134051	vV 210-PA_N_11_P3_SA_G34a	Gewicht: 1,0kg; Silicagel: 0,3kg; Dichtung: NBR; Abmessungen: H 165 / D 90/130mm, Anschluss BSP G 3/4"
	05.0020.14		4260611132361	vV 210-PA_N_11_P3_SA_G34i	Gewicht: 1,0kg; Silicagel: 0,3kg; Dichtung: NBR; Abmessungen: H 150 / D 90/130mm, Anschluss BSP G 3/4" IG
varioVENT 230-PA	05.0020.33		4260611132378	vV 230-PA_N_11_P3_SA_G1a	Gewicht: 1,3kg; Silicagel: 0,5kg; Dichtung: NBR; Abmessungen: H 225 / D 90/130mm, Anschluss BSP G 1"
	05.0020.07		4260611134044	vV 230-PA_N_11_P3_SA_G34a	Gewicht: 1,3kg; Silicagel: 0,5kg; Dichtung: NBR; Abmessungen: H 225 / D 90/130mm, Anschluss BSP G 3/4"
	05.0020.84		4260611132385	vV 230-PA_N_11_P3_SA_G34i	Gewicht: 1,3kg; Silicagel: 0,5kg; Dichtung: NBR; Abmessungen: H 210 / D 90/130mm, Anschluss BSP G 3/4" IG
varioVENT 310-PA	05.0030.54		4260611132392	vV 310-PA_N_22_P3_SA_G1a	Gewicht: 1,9kg; Silicagel: 0,8kg; Dichtung: NBR; Abmessungen: H 240 / D 110/150mm, Anschluss BSP G 1"
	05.0030.06		4260611132408	vV 310-PA_N_22_P3_SA_G34a	Gewicht: 1,9kg; Silicagel: 0,8kg; Dichtung: NBR; Abmessungen: H 240 / D 110/150mm, Anschluss BSP G 3/4"
	05.0030.11		4260611132415	vV 310-PA_N_22_P3_SA_G34i	Gewicht: 1,9kg; Silicagel: 0,8kg; Dichtung: NBR; Abmessungen: H 225 / D 110/150mm, Anschluss BSP G 3/4" IG
varioVENT 330-PA	05.0030.56		4260611132422	vV 330-PA_N_22_P3_SA_G1a	Gewicht: 2,6kg; Silicagel: 1,3kg; Dichtung: NBR; Abmessungen: H 340 / D 110/150mm, Anschluss BSP G 1"
	05.0030.07		4260611132439	vV 330-PA_N_22_P3_SA_G34a	Gewicht: 2,6kg; Silicagel: 1,3kg; Dichtung: NBR; Abmessungen: H 340 / D 110/150mm, Anschluss BSP G 3/4"
	05.0030.14		4260611132446	vV 330-PA_N_22_P3_SA_G34i	Gewicht: 2,6kg; Silicagel: 1,3kg; Dichtung: NBR; Abmessungen: H 325 / D 110/150mm, Anschluss BSP G 3/4" IG
varioVENT 510-PA	05.0060.11		4260611132453	vV 510-PA_N_22_P3_SA_G1a	Gewicht: 3,6kg; Silicagel: 2,0kg; Dichtung: NBR; Abmessungen: H 260 / D 150/185mm, Anschluss BSP G 1"
	05.0060.28		4260611132460	vV 510-PA_N_22_P3_SA_G1i	Gewicht: 3,6kg; Silicagel: 2,0kg; Dichtung: NBR; Abmessungen: H 245 / D 150/185mm, Anschluss BSP G 1" IG
varioVENT 530-PA	05.0060.32		4260611132477	vV 530-PA_N_22_P3_SA_G1a	Gewicht: 5,3kg; Silicagel: 3,1kg; Dichtung: NBR; Abmessungen: H 360 / D 150/185mm, Anschluss BSP G 1"
	05.0060.30		4260611132484	vV 530-PA_N_22_P3_SA_G1i	Gewicht: 5,3kg; Silicagel: 3,1kg; Dichtung: NBR; Abmessungen: H 345 / D 150/185mm, Anschluss BSP G 1" IG



VENT MA-D



The GIEBEL adsorbers of the VENT MA-D series are aluminum ventilation dryers for smaller hydraulic tanks and gear-boxes. With low pendulum volumes, these adsorbers, equipped with valves, have a long maintenance interval.

With a 3µm filter, the sucked air is completely dried and cleaned by this silica gel filter. An activated carbon layer adsorbs the oil mist and protects the desiccant and the environment. By replacing the entire cartridge maintenance time is very short. The application according to the ATEX product guideline 2014/34 / EU in Zone II 2 G/D IIC T4 is possible.

APPLICATIONS



Hydraulic Power
Packs

0 – 100 l
Tank volume



Gears

0 - 100 l
Oil & Air volume



Barrels & IBC

60 – 200 l Barrels
1.000 l IBC

VERSIONS



vV 220-PA



DOCUMENTATION

Product Flyer	Manual	Product Code	Technical Data Sheet	Safety Data Sheet	CAD Data	REACH
available	available	available	available	available	available	compliant

RoHS	Customs	ATEX 2014	EC Conformity	IP Protection	Corrosivity	Food Compliant
compliant	Germany No.84213925	II 2 G/D IIC T4	compliant	IP 63 (oV) IP 66 (mV)	C4 „high“	possible

OVERVIEW

Version	Article No.		EAN / GTIN	Product Code	Specifications
varioVENT 220-MA	05.0030.97		4260611134662	vV 220-MA_F_11_P3_SA_G1a	Gewicht: 1,6kg; Silicagel: 0,6kg; Dichtung: FKM; Abmessungen: H 225 / D 90/110mm, Anschluss BSP G 1"
	05.0040.11		4260611134860	vV 220-MA_F_11_P3_SA_G34i	Gewicht: 1,6kg; Silicagel: 0,6kg; Dichtung: FKM; Abmessungen: H 210 / D 90/110mm, Anschluss BSP G 3/4" IG



VENT MA-R



These full aluminum series VENT MA-R are robust and easy to use. Due to its high resistance, available with NBR, FKM or EPDM gaskets, it is used on numerous systems and vessels. The refillability makes the investment worthwhile in a very short time and effectively protects the substance to be ventilated. Optionally, these adsorbers are available with plastic valves to optimally aerate equipment with longer downtime and to ensure a long maintenance interval. The application according to the ATEX product guideline 2014/34 / EU in Zone II 2 G/D IIC T4 is possible.

APPLICATIONS



Hydraulic Power
Packs

0 – 1.800 l
Tank volume



Gears

10 - 3.000 l
Oil & Air volume



Barrels & IBC

60 – 200 l Barrels
1.000 l IBC

VERSIONS



vV 230-MA



vV 310-MA



vV 330-MA



vV 510-MA



DOCUMENTATION

Product Flyer	Manual	Product Code	Technical Data Sheet	Safety Data Sheet	CAD Data	REACH
available	available	available	available	available	available	compliant
RoHS	Customs	ATEX 2014	EC Conformity	IP Protection	Corrosivity	Food Compliant
compliant	Germany No.84213925	II 2 G/D IIC T4	compliant	IP 63 (oV) IP 66 (mV)	C4 „high“	possible

OVERVIEW

Version	Article No.		EAN / GTIN	Product Code	Specifications
varioVENT 230-MA	05.0030.99		4260611134693	vV 230-MA_F_00_P3_SA_G1a	Gewicht: 1,7kg; Silicagel: 0,6kg; Dichtung: FKM; Abmes- sungen: H 230 / D 90/125mm, Anschluss BSP G 1"
	05.0030.57		4260611134679	vV 230-MA_F_00_P3_SA_G34a	Gewicht: 1,7kg; Silicagel: 0,6kg; Dichtung: FKM; Abmes- sungen: H 230 / D 90/125mm, Anschluss BSP G 3/4"
	05.0030.98		4260611134686	vV 230-MA_F_00_P3_SA_G34i	Gewicht: 1,7kg; Silicagel: 0,6kg; Dichtung: FKM; Abmes- sungen: H 215 / D 90/125mm, Anschluss BSP G 3/4" IG
	05.0040.12		4260611132774	vV 230-MA_E_00_P3_SA_G1a	Gewicht: 1,7kg; Silicagel: 0,6kg; Dichtung: EPDM; Abmes- sungen: H 230 / D 90/125mm, Anschluss BSP G 1"
	05.0030.95		4260611134624	vV 230-MA_E_00_P3_SA_G34a	Gewicht: 1,7kg; Silicagel: 0,6kg; Dichtung: EPDM; Abmes- sungen: H 230 / D 90/125mm, Anschluss BSP G 3/4"
	05.0030.90		4260611134709	vV 230-MA_F_11_P3_SA_G1a	Gewicht: 1,7kg; Silicagel: 0,6kg; Dichtung: FKM; Abmes- sungen: H 230 / D 90/125mm, Anschluss BSP G 1"
	05.0030.31		4260611132644	vV 230-MA_F_11_P3_SA_G34a	Gewicht: 1,7kg; Silicagel: 0,6kg; Dichtung: FKM; Abmes- sungen: H 230 / D 90/125mm, Anschluss BSP G 3/4"
	05.0040.01		4260611134716	vV 230-MA_F_11_P3_SA_G34i	Gewicht: 1,7kg; Silicagel: 0,6kg; Dichtung: FKM; Abmes- sungen: H 215 / D 90/125mm, Anschluss BSP G 3/4" IG
	05.0030.48		4260611133955	vV 230-MA_E_11_P3_SA_G1a	Gewicht: 1,7kg; Silicagel: 0,6kg; Dichtung: EPDM; Abmes- sungen: H 230 / D 90/125mm, Anschluss BSP G 1"
varioVENT 310-MA	05.0040.02		4260611134723	vV 310-MA_F_00_P3_SA_G1a	Gewicht: 2,4kg; Silicagel: 0,9kg; Dichtung: FKM; Abmes- sungen: H 240 / D 110/150mm, Anschluss BSP G 1"
	05.0030.65		4260611134730	vV 310-MA_F_00_P3_SA_G34a	Gewicht: 2,4kg; Silicagel: 0,9kg; Dichtung: FKM; Abmes- sungen: H 240 / D 110/150mm, Anschluss BSP G 3/4"
	05.0040.03		4260611134747	vV 310-MA_F_00_P3_SA_G34i	Gewicht: 2,4kg; Silicagel: 0,9kg; Dichtung: FKM; Abmes- sungen: H 225 / D 110/150mm, Anschluss BSP G 3/4" IG
	05.0030.52		4260611134754	vV 310-MA_E_00_P3_SA_G1a	Gewicht: 2,4kg; Silicagel: 0,9kg; Dichtung: EPDM; Abmes- sungen: H 240 / D 110/150mm, Anschluss BSP G 1"
varioVENT 330-MA	05.0040.04		4260611134761	vV 330-MA_F_00_P3_SA_G1a	Gewicht: 3,3kg; Silicagel: 1,4kg; Dichtung: FKM; Abmes- sungen: H 340 / D 110/150mm, Anschluss BSP G 1"
	05.0040.05		4260611134778	vV 330-MA_F_00_P3_SA_G34i	Gewicht: 3,3kg; Silicagel: 1,4kg; Dichtung: FKM; Abmes- sungen: H 325 / D 110/150mm, Anschluss BSP G 3/4" IG
	05.0030.35		4260611134785	vV 330-MA_E_00_P3_SA_G1a	Gewicht: 3,3kg; Silicagel: 1,4kg; Dichtung: EPDM; Abmes- sungen: H 340 / D 110/150mm, Anschluss BSP G 1"
varioVENT 510-MA	05.0030.77		4260611134792	vV 510-MA_F_00_P3_SA_G1a	Gewicht: 4,7kg; Silicagel: 2,2kg; Dichtung: FKM; Abmes- sungen: H 270 / D 150/190mm, Anschluss BSP G 1"
	05.0040.06		4260611134815	vV 510-MA_F_00_P3_SA_G1i	Gewicht: 4,7kg; Silicagel: 2,2kg; Dichtung: FKM; Abmes- sungen: H 255 / D 150/190mm, Anschluss BSP G 1" IG
	05.0030.94		4260611134808	vV 510-MA_E_00_P3_SA_G1a	Gewicht: 4,7kg; Silicagel: 2,2kg; Dichtung: EPDM; Abmes- sungen: H 270 / D 150/190mm, Anschluss BSP G 1"



VARIO TB PA



The use of GIEBEL adsorbers of the VARIO TB PA series is made on transformers worldwide. The structure complies with the standard DIN EN 50216-5 and can be equipped with all standardized connection variants.

Another advantage is the proven valve system, which completely replaces the oil bath of the older dehumidifiers and efficiently protects the desiccant. The activated carbon layer contained in GIEBEL Adsorber protects the dry beads against oil contamination, allowing cyclical self-regeneration and thus extending the maintenance interval. The exchange of the desiccant is very easy due to the special structure.

APPLICATIONS



Transformers

0 – 80 MVA
Power

VERSIONS



DV TB 310-PA



DV TB 330-PA



DV TB 510-PA



DV TB 530-PA



DV TB 560-PA



DOCUMENTATION

Product Flyer	Manual	Product Code	Technical Data Sheet	Safety Data Sheet	CAD Data	REACH
available	available	available	available	available	available	compliant
RoHS	Customs	ATEX 2014	EC Conformity	IP Protection	Corrosivity	
compliant	Germany No.84213925	Not possible	compliant	IP 66	C4 „high“	

OVERVIEW

Version	Article No.	EAN / GTIN	Product Code	Specifications
DUO-VARIO TB 310-PA	06.0005.21		DV TB 310-PA_N_11_V2_SA_DIN42562	Gewicht: 3,6kg; Silicagel: 1,0kg; Dichtung: NBR; Abmessungen: H 305 / D 110/140mm, DIN 42562
	06.0005.19	4260611133016	DV TB 310-PA_N_11_V2_SA_DIN42567C-G12i	Gewicht: 3,6kg; Silicagel: 1,0kg; Dichtung: NBR; Abmessungen: H 305 / D 110/140mm, DIN 42567 C G 1/2" IG
	06.0005.25	4260611133023	DV TB 310-PA_N_11_V2_SA_DIN42567C-G34i	Gewicht: 3,6kg; Silicagel: 1,0kg; Dichtung: NBR; Abmessungen: H 305 / D 110/140mm, DIN 42567 C G 3/4" IG
	06.0005.17	4260611133030	DV TB 310-PA_N_11_V2_SA_DIN42567C-G1i	Gewicht: 3,6kg; Silicagel: 1,0kg; Dichtung: NBR; Abmessungen: H 305 / D 110/140mm, DIN 42567 C G 1" IG
	06.0005.22	4260611133047	DV TB 310-PA_N_11_V2_SA_DIN42567A	Gewicht: 3,6kg; Silicagel: 1,0kg; Dichtung: NBR; Abmessungen: H 305 / D 110/140mm, DIN 42567 A
	06.0005.23	4260611133054	DV TB 310-PA_N_11_V2_SA_DIN42567B	Gewicht: 3,6kg; Silicagel: 1,0kg; Dichtung: NBR; Abmessungen: H 305 / D 110/140mm, DIN 42567 B
DUO-VARIO TB 330-PA	06.0010.19		DV TB 330-PA_N_11_V2_SA_DIN42562	Gewicht: 4,3kg; Silicagel: 1,5kg; Dichtung: NBR; Abmessungen: H 405 / D 110/140mm, DIN 42562
	06.0010.18	4260611133078	DV TB 330-PA_N_11_V2_SA_DIN42567C-G12i	Gewicht: 4,3kg; Silicagel: 1,5kg; Dichtung: NBR; Abmessungen: H 405 / D 110/140mm, DIN 42567 C G 1/2" IG
	06.0010.24	4260611133085	DV TB 330-PA_N_11_V2_SA_DIN42567C-G34i	Gewicht: 4,3kg; Silicagel: 1,5kg; Dichtung: NBR; Abmessungen: H 405 / D 110/140mm, DIN 42567 C G 3/4" IG
	06.0010.25	4260611133092	DV TB 330-PA_N_11_V2_SA_DIN42567C-G1i	Gewicht: 4,3kg; Silicagel: 1,5kg; Dichtung: NBR; Abmessungen: H 405 / D 110/140mm, DIN 42567 C G 1" IG
	06.0010.20	4260611133108	DV TB 330-PA_N_11_V2_SA_DIN42567A	Gewicht: 4,3kg; Silicagel: 1,5kg; Dichtung: NBR; Abmessungen: H 405 / D 110/140mm, DIN 42567 A
	06.0010.21	4260611133115	DV TB 330-PA_N_11_V2_SA_DIN42567B	Gewicht: 4,3kg; Silicagel: 1,5kg; Dichtung: NBR; Abmessungen: H 405 / D 110/140mm, DIN 42567 B
DUO-VARIO TB 510-PA	06.0015.19	4260611133122	DV TB 510-PA_N_22_V2_SA_DIN42562	Gewicht: 5,8kg; Silicagel: 2,1kg; Dichtung: NBR; Abmessungen: H 340 / D 150/185mm, DIN 42562 (3L)
	06.0015.20	4260611132804	DV TB 510-PA_N_22_V2_SA_DIN42567A	Gewicht: 5,8kg; Silicagel: 2,1kg; Dichtung: NBR; Abmessungen: H 340 / D 150/185mm, DIN 42567 A
	06.0015.21	4260611132811	DV TB 510-PA_N_22_V2_SA_DIN42567B	Gewicht: 5,8kg; Silicagel: 2,1kg; Dichtung: NBR; Abmessungen: H 340 / D 150/185mm, DIN 42567 B
	06.0015.23	4260611132828	DV TB 510-PA_N_22_V2_SA_DIN42567C-G34i	Gewicht: 5,8kg; Silicagel: 2,1kg; Dichtung: NBR; Abmessungen: H 340 / D 150/185mm, DIN 42567 C G 3/4" IG
	06.0015.26	4260611132835	DV TB 510-PA_N_22_V2_SA_DIN42567C-G1i	Gewicht: 5,8kg; Silicagel: 2,1kg; Dichtung: NBR; Abmessungen: H 340 / D 150/185mm, DIN 42567 C G 1" IG
DUO-VARIO TB 530-PA	06.0020.19	4260611133139	DV TB 530-PA_N_22_V2_SA_DIN42562	Gewicht: 7,4kg; Silicagel: 3,3kg; Dichtung: NBR; Abmessungen: H 440 / D 150/185mm, DIN 42562 (3L)
	06.0020.28	4260611132842	DV TB 530-PA_N_22_V2_SA_DIN42567C-G34i	Gewicht: 7,4kg; Silicagel: 3,3kg; Dichtung: NBR; Abmessungen: H 440 / D 150/185mm, DIN 42567 C G 3/4" IG
	06.0020.29	4260611132859	DV TB 530-PA_N_22_V2_SA_DIN42567C-G1i	Gewicht: 7,4kg; Silicagel: 3,3kg; Dichtung: NBR; Abmessungen: H 440 / D 150/185mm, DIN 42567 C G 1" IG
DUO-VARIO TB 560-PA	06.0030.19	4260611133146	DV TB 560-PA_N_22_V2_SA_DIN42562	Gewicht: 9,0kg; Silicagel: 4,6kg; Dichtung: NBR; Abmessungen: H 540 / D 150/185mm, DIN 42562 (3L)



VARIO TB ME



The VARIO TB ME series is used on transformers worldwide. The structure complies with the standard DIN EN 50216-5 and can be equipped with all standardized connection variants.

Another advantage is the proven valve system, which completely replaces the original oil bathe and efficiently protects the desiccant. The activated charcoal layer contained in GIEBEL Adsorber protects the dry beads from oil contamination and thus enables a cyclical self-regeneration and thus an extension of the maintenance interval. The exchange of the filling takes place without tools and within shortest time. The housing is made of stainless steel 316L and allows the use of C5-M high.

APPLICATIONS



Transformers

0 – 80 MVA
Power

VERSIONS



DV TB 310-ME



DV TB 330-ME



DV TB 510-ME



DV TB 530-ME



DV TB 560-ME



DOCUMENTATION

Product Flyer	Manual	Product Code	Technical Data Sheet	Safety Data Sheet	CAD Data	REACH
available	available	available	available	available	available	compliant
RoHS	Customs	ATEX 2014	EC Conformity	IP Protection	Corrosivity	
compliant	Germany No.84213925	II 2 G/D IIC T4	compliant	IP 66	C5-M „high“	

OVERVIEW

Version	Article No.		EAN / GTIN	Product Code	Specifications
DUO-VARIO TB 310-ME	06.0005.08		4260611130121	DV TB 310-ME_F_11_V2_SA_DIN42562	Gewicht: 5,3kg; Silicagel: 1,2kg; Dichtung: FKM; Abmessungen: H 285 / D 110/135mm, DIN 42562
	06.0005.12		4260611133207	DV TB 310-ME_F_11_V2_SA_DIN42567C-G34i	Gewicht: 5,3kg; Silicagel: 1,2kg; Dichtung: FKM; Abmessungen: H 285 / D 110/135mm, DIN 42567 C G 3/4" IG
DUO-VARIO TB 330-ME	06.0010.15		4260611130152	DV TB 330-ME_F_11_V2_SA_DIN42562	Gewicht: 6,5kg; Silicagel: 1,8kg; Dichtung: FKM; Abmessungen: H 385 / D 110/135mm, DIN 42562
	06.0010.09		4260611133214	DV TB 330-ME_F_11_V2_SA_DIN42567C-G34i	Gewicht: 6,5kg; Silicagel: 1,8kg; Dichtung: FKM; Abmessungen: H 385 / D 110/135mm, DIN 42567 C G 3/4" IG
DUO-VARIO TB 510-ME	06.0015.09		4260611133825	DV TB 510-ME_F_22_V2_SA_DIN42562	Gewicht: 10,3kg; Silicagel: 2,9kg; Dichtung: FKM; Abmessungen: H 305 / D 150/180mm, DIN 42562 (3L)
DUO-VARIO TB 530-ME	06.0020.09		4260611133870	DV TB 530-ME_F_22_V2_SA_DIN42562	Gewicht: 12,4kg; Silicagel: 4,0kg; Dichtung: FKM; Abmessungen: H 405 / D 150/180mm, DIN 42562 (3L)
DUO-VARIO TB 560-ME	06.0030.28		4260611134082	DV TB 560-ME_F_22_V2_SA_DIN42562	Gewicht: 14,8kg; Silicagel: 5,6kg; Dichtung: FKM; Abmessungen: H 505 / D 150/180mm, DIN 42562 (3L)



HSECURE



The non-desiccant filters of the HSECURE series represent a special solution for the anhydrous aeration of smaller gear-boxes. A hydrophobic membrane repels water droplets and oil mist and protects the gearbox from water during breathing. The advantages of a HSECURE with hydrophobic ePTFE membrane is its comparatively low pressure build-up, efficient water repellency and easy of use. The 0.3µm large pores prevent at the same time an entry of dirt particles and let the transmission breathe freely with temperature fluctuations.

APPLICATIONS



Gears

0 - 100 l
Oil & Air volume

VERSIONS



hS 30-PC



hS 50-PC



DOCUMENTATION

Product Flyer	Manual	Product Code	Technical Data Sheet	Safety Data Sheet	CAD Data	REACH
available	available	available	available	available	available	compliant

RoHS	Customs	ATEX 2014	EC Conformity	IP Protection	Corrosivity	Food Compliant
compliant	Germany No.84213925	Not possible	compliant	IP 68	C5-M „high“	possible

OVERVIEW

Version	Article No.		EAN / GTIN	Product Code	Specifications
hSECURE 30-PC	02.0000.07		4260611133221	hS 30-PC_N_M0.3_G12a	Gewicht: 0,02kg; Dichtung: NBR; Abmessungen: H 40 / D 30/15mm, Anschluss BSP G 1/2"
	02.0000.02		4260611133238	hS 30-PC_N_M0.3_M22x1,5a	Gewicht: 0,02kg; Dichtung: NBR; Abmessungen: H 40 / D 30/15mm, Anschluss M 22x1,5
hSECURE 50-PC	02.0000.05		4260611133245	hS 50-PC_N_M0.3_G34a	Gewicht: 0,03kg; Dichtung: NBR; Abmessungen: H 50 / D 50/20mm, Anschluss BSP G 3/4"
	02.0000.06		4260611133252	hS 50-PC_N_M0.3_G1a	Gewicht: 0,03kg; Dichtung: NBR; Abmessungen: H 50 / D 50/20mm, Anschluss BSP G 1"
	02.0000.08		4260611133269	hS 50-PC_N_M0.3_M33x1,5a	Gewicht: 0,03kg; Dichtung: NBR; Abmessungen: H 50 / D 50/20mm, Anschluss M 33x1,5



ERSATZTEILKITS



During the use of an adsorber, the desiccant is loaded and increasingly loses the ability to adsorb more humidity. If the desiccant is completely discolored, this should be replaced, including the wearing parts.

In a disposable adsorber, the entire adsorber part or cartridge is replaced. This is pre-assembled and contains all necessary wearing parts.

APPLICATIONS



Hydraulic Power Packs



Gears



Storage Tanks



Transformers



Barrels & IBC

VERSIONS



Disposable Cartridge



Refillable Cartridge



SILICA GEL



Silica gels are the most commonly used desiccants and consist of 99% silicon (SiO_2). For use in aeration dryers, the orange-green silica gel is the most suitable drying agent due to its high water absorption capacity of up to about 40%, easy oven regeneration, safe handling, and good contrast color indicator.

Depending on the selection of the color indicator in the silica gel, the drying efficiency and the maintenance interval of an adsorber can be influenced. It can be selected from very strong drying and short maintenance intervals to a weaker air drying and a long maintenance interval.

APPLICATIONS



Hydraulic Power
Packs



Gears



Storage Tanks

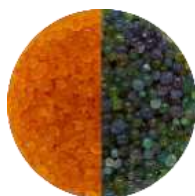


Transformers



Barrels & IBC

VERSIONS



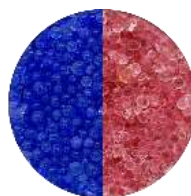
Orange-Green



Orange-Colorless



Colorless



Blue-Pink



Sorbead Chameleon



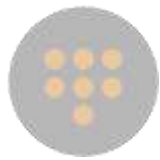
DOCUMENTATION



Product Flyer	Technical Data Sheet	Safety Data Sheet	REACH	RoHS	Customs	Food Compliant
available	available	available	compliant	compliant	No. 2811220040	possible

OVERVIEW

Version	Article No.		EAN / GTIN	Product Code	Specifications
Orange-Grün	35.0426.00		4260611134525	A-SOG_2-5_25,0S	Engporig, 99% Siliziumdioxid, Fabwechsel: Orange-Grün, Verpackung: 25kg Sack, nicht wiederverschließbar
	35.0414.00		4260611134532	A-SOG_2-5_1,0B	Engporig, 99% Siliziumdioxid, Fabwechsel: Orange-Grün, Verpackung: 1kg Beutel, nicht wiederverschließbar
	35.0421.00		4260611134549	A-SOG_2-5_5,0K	Engporig, 99% Siliziumdioxid, Fabwechsel: Orange-Grün, Verpackung: 4kg Kanister, wiederverschließbar
	35.0425.00		4260611135416	A-SOG_2-5_10,0E	Engporig, 99% Siliziumdioxid, Fabwechsel: Orange-Grün, Verpackung: 10kg Eimer, wiederverschließbar
	35.0420.00		4260611134556	A-SOG_2-5_30,0FS	Engporig, 99% Siliziumdioxid, Fabwechsel: Orange-Grün, Verpackung: 25kg Fass, wiederverschließbar
	35.0423.00		4260611134563	A-SOG_2-5_60,0FS	Engporig, 99% Siliziumdioxid, Fabwechsel: Orange-Grün, Verpackung: 50kg Fass, wiederverschließbar
Orange-Farblos	35.0412.00		4260611134570	A-SOC_2-5_25,0S	Engporig, 99% Siliziumdioxid, Fabwechsel: Orange-Farblos, Verpackung: 25kg Sack, nicht wiederverschließbar
	35.0413.00		4260611134587	A-SOC_2-5_1,0B	Engporig, 99% Siliziumdioxid, Fabwechsel: Orange-Farblos, Verpackung: 1kg Beutel, nicht wiederverschließbar
	35.0404.00		4260611134594	A-SOC_2-5_5,0K	Engporig, 99% Siliziumdioxid, Fabwechsel: Orange-Farblos, Verpackung: 4kg Kanister, wiederverschließbar
	35.0418.00		4260611135423	A-SOC_2-5_10,0E	Engporig, 99% Siliziumdioxid, Fabwechsel: Orange-Farblos, Verpackung: 10kg Eimer, wiederverschließbar
	35.0410.00		4260611134600	A-SOC_2-5_30,0FS	Engporig, 99% Siliziumdioxid, Fabwechsel: Orange-Farblos, Verpackung: 25kg Fass, wiederverschließbar
	35.0411.00		4260611134617	A-SOC_2-5_60,0FS	Engporig, 99% Siliziumdioxid, Fabwechsel: Orange-Farblos, Verpackung: 50kg Fass, wiederverschließbar
Farblos	35.0220.00		4260611135201	A-SF_2-5_25,0S	Engporig, 99% Siliziumdioxid, Verpackung: 25kg Sack, nicht wiederverschließbar
	35.0225.00		4260611135218	A-SF_2-5_5,0K	Engporig, 99% Siliziumdioxid, Verpackung: 4kg Kanister, wiederverschließbar



MOLECULAR SIEVE



Molecular sieves are drying agents with very specific properties. These are synthetically produced aluminosilicates. Zeolites are distinguished by their crystal lattice structure, as this results in different sized pores.

The constant structure of the crystal lattice allows a very high internal surface of up to 1000 m²/g. Together with their high electrostatic adsorption forces, these molecular sieves are therefore ideal for air drying.

Even at low relative humidity molecular sieves reach a higher absorption capacity than silica gels. Thus, they are able to dry the supply air very strongly. This makes the application useful wherever the degree of dryness is the decisive selection criterion.

APPLICATIONS



Hydraulic Power
Packs



Gears



Storage Tanks



Transformers



Barrels & IBC

VERSIONS



3A



4A



5A



13X



DOCUMENTATION



Product Flyer	Technical Data Sheet	Safety Data Sheet	REACH	RoHS	Customs	Food Compliant
available	available	available	compliant	compliant	No. 28391900	possible

OVERVIEW

Version	Article No.		EAN / GTIN	Product Code	Specifications
Molekularsieb 3A	35.0530.00		4260611135225	A-MS3A_B_3-5_25,0S	Poren 3A (0,3nm), Körnung 3-5mm, Verpackung: 25kg Stahlfass, nicht wiederverschließbar
	35.0535.00		4260611135232	A-MS3A_B_3-5_5,0K	Poren 3A (0,3nm), Körnung 3-5mm, Verpackung: 4kg Kanister, wiederverschließbar
Molekularsieb 4A	35.0500.00		4260611135249	A-MS4A_B_3-5_25,0S	Poren 4A (0,4nm), Körnung 3-5mm, Verpackung: 25kg Stahlfass, nicht wiederverschließbar
	35.0505.00		4260611135256	A-MS4A_B_3-5_5,0K	Poren 4A (0,4nm), Körnung 3-5mm, Verpackung: 4kg Kanister, wiederverschließbar
	35.0506.00		4260611135263	A-MS4A_B_3-5_30,0FS	Poren 4A (0,4nm), Körnung 3-5mm, Verpackung: 25kg Fass, wiederverschließbar
	35.0507.00		4260611135270	A-MS4A_B_3-5_60,0FS	Poren 4A (0,4nm), Körnung 3-5mm, Verpackung: 50kg Fass, wiederverschließbar
Molekularsieb 5A	35.0559.00		4260611135287	A-MS5A_B_3-5_25,0S	Poren 5A (0,5nm), Körnung 3-5mm, Verpackung: 25kg Stahlfass, nicht wiederverschließbar
	35.0560.00		4260611135294	A-MS5A_B_3-5_5,0K	Poren 5A (0,5nm), Körnung 3-5mm, Verpackung: 4kg Kanister, wiederverschließbar
Molekularsieb 13X	35.0557.00		4260611135300	A-MS13X_B_3-5_25,0S	Poren 9A (0,9nm), Körnung 3-5mm, Verpackung: 25kg Stahlfass, nicht wiederverschließbar
	35.0554.00		4260611135317	A-MS13X_B_3-5_5,0K	Poren 9A (0,9nm), Körnung 3-5mm, Verpackung: 4kg Kanister, wiederverschließbar
	35.0555.00		4260611135324	A-MS13X_B_3-5_30,0FS	Poren 9A (0,9nm), Körnung 3-5mm, Verpackung: 25kg Fass, wiederverschließbar
	35.0556.00		4260611135331	A-MS13X_B_3-5_60,0FS	Poren 9A (0,9nm), Körnung 3-5mm, Verpackung: 50kg Fass, wiederverschließbar



GIEBEL Adsorber®
...setting standards in aeration drying!



DOCUMENTATION



Full documentation is available for all GIEBEL Adsorber.

Product flyer

Product data sheet and drawing

CAD file (STEP format)

Spare parts offer for ... months operation time

EC Conformity

EC Conformity according ATEX 2014/34/EU

Test report 2.2 according DIN EN 10204

Material test report 3.1

EC Conformity for Food usage

DOCUMENTATION



Product Flyer



Manual



Product Code



Technical
Data Sheet



Safety Data
Sheet



CAD Data



REACH



RoHS



Customs



ATEX 2014



EC
Conformity



IP Protection



Corrosivity



Food
Compliant



ADAPTER



For flexible assembly of a GIEBEL Adsorber all common adapters are offered.

Whether with internal threads or mixed shapes, as well as all materials (e.g. aluminum, stainless steel, polypropylene, nylon, etc.), these adapters meet all the requirements of the respective system. BSP G, BSP R, NPT, metric or other thread types solve all design challenges.

APPLICATIONS



Hydraulic Power
Packs



Gears



Storage Tanks



Transformers



Barrels & IBC

VERSIONS



Adapter AA



Adapter IA



Adapter II



OVERVIEW

Version	Article No.		EAN / GTIN	Product Code	Specifications
Adapter AA	03.2157.04		4260611133313	AD-AA_AL_N_G38a_M22x1,5a	varioVENT 1..., G 3/8" - M22x1,5 male, AL+NBR
	03.2164.33		4260611133320	AD-AA_SS_R38a_R38a	varioVENT 1..., R 3/8" - R 3/8" male, SS
	03.2164.40		4260611133337	AD-AA_SS_R38a_R14a	varioVENT 1..., R 3/8" - R 1/4" male, SS
	03.2164.41		4260611133344	AD-AA_SS_R38a_R12a	varioVENT 1..., R 3/8" - R 1/2" male, SS
	03.2164.42		4260611133351	AD-AA_SS_R38a_R34a	varioVENT 1..., R 3/8" - R 3/4" male, SS
	03.2164.43		4260611133368	AD-AA_SS_R38a_R1a	varioVENT 1..., R 3/8" - R 1" male, SS
	03.2123.03		4260611133382	AD-AA_AL_N_G34a_N1a	varioVENT 2 & 3..., G 3/4" - NPT 1" male, AL+NBR
	03.2154.02		4260611133399	AD-AA_AL_N_G34a_M22x1,5a	varioVENT 2 & 3..., G 3/4" - M22x1,5 male, AL+NBR
	03.2154.03		4260611133405	AD-AA_AL_N_G34a_M33x1,5	varioVENT 2 & 3..., G 3/4" - M33x1,5 male, AL+NBR
	03.2164.36		4260611133412	AD-AA_SS_R34a_R34a	varioVENT 2 & 3..., R 3/4" - R 3/4" male, SS
	03.2164.37		4260611133429	AD-AA_SS_R34a_R1a	varioVENT 2 & 3..., R 3/4" - R 1" male, SS
	03.2164.34		4260611133436	AD-AA_SS_R34a_R12a	varioVENT 2 & 3..., R 3/4" - R 1/2" male, SS
	03.2164.44		4260611133443	AD-AA_SS_R34a_R114a	varioVENT 2 & 3..., R 3/4" - R 1-1/4" male, SS
	03.2164.45		4260611133450	AD-AA_SS_R34a_R112a	varioVENT 2 & 3..., R 3/4" - R 1-1/2" male, SS
	03.2120.02		4260611133474	AD-AA_AL_N_G1a_N1a	varioVENT 5..., G 1" - NPT 1" male, AL+NBR
	03.2164.38		4260611133481	AD-AA_SS_R1a_R1a	varioVENT 5..., R 1" - R 1" male, SS
	03.2164.46		4260611133498	AD-AA_SS_R1a_R114a	varioVENT 5..., R 1" - R 1-1/4" male, SS
	03.2164.47		4260611133504	AD-AA_SS_R1a_R112a	varioVENT 5..., R 1" - R 1-1/2" male, SS
	03.2164.48		4260611133511	AD-AA_SS_R1a_R2a	varioVENT 5..., R 1" - R 2" male, SS



Version	Article No.		EAN / GTIN	Product Code	Specifications
Adapter IA	03.2124.04		4260611133580	AD-IA_AL_N_G1i_M22x1,5a	DUO-VARIO + varioVENT 2+3, G 1" – M 22x1,5 male, AL & NBR
	03.2124.05		4260611133597	AD-IA_AL_N_G1i_M33x1,5a	DUO-VARIO + varioVENT 2+3, G 1" – M 33x1,5 male, AL & NBR
	03.2206.03		4260611134952	AD-IA_AL_N_G1i_S1a	DUO-VARIO + varioVENT 2+3, G 1" – Slipfit 1" male, AL & NBR
	03.2164.39		4260611133603	AD-IA_SS_R1i_R114a	DUO-VARIO + varioVENT 2+3+5, R 1" – R 1-1/4" male, SS
	07.2122.00		4260611133610	AD-IA_SS_R1i_R112a	DUO-VARIO + varioVENT 2+3+5, R 1" – R 1-1/2" male, SS
	07.2122.01		4260611133627	AD-IA_SS_R1i_R2a	DUO-VARIO + varioVENT 2+3+5, R 1" – R 2" male, SS
	07.2106.00		4260611135379	AD-IA_PP_G1i_G2a	DUO-VARIO + varioVENT 2+3+5, G 1" – G 2" male, PP
	07.2122.02		4260611133634	AD-IA_St_R1i_R3a	DUO-VARIO + varioVENT 2+3+5, R 1" – R 3" male, Steel
	07.2106.01		4260611135409	AD-IA_PP_G34i_G2a	DUO-VARIO + varioVENT 2+3+5, G 3/4" – G 2" male, PP
	07.2106.00		4260611135379	AD-IA_PP_G1i_G2a	DUO-VARIO + varioVENT 2+3+5, G 1" – G 2" male, PP
	07.2160.00		4260611135386	AD-IA_PE_G34i_S56x4a	DUO-VARIO + varioVENT 2 & 3, G 3/4" – S56x4 male, PE
	07.2162.00		4260611135393	AD-IA_PE_G34i_S70x6a	DUO-VARIO + varioVENT 2 & 3, G 3/4" – S70x6 male, PE
Adapter II	08.2167.10		4260611133528	AD-II_SS_G1i_G1i	DUO-VARIO + varioVENT 2 & 3 & 5, G 1" - G 1" female, SS
	08.2124.21		4260611133535	AD-II_SS_G1i_G114i	DUO-VARIO + varioVENT 2 & 3 & 5, G 1" - G 1-1/4" female, SS
	08.2150.05		4260611133542	AD-II_SS_G1i_G112i	DUO-VARIO + varioVENT 2 & 3 & 5, G 1" - G 1-1/2" female, SS
	08.2150.10		4260611133559	AD-II_AL_G1i_M40x1,5i	DUO-VARIO + varioVENT 2 & 3 & 5, G 1" – M 40x1,5" female, AL
	08.2150.06		4260611133566	AD-II_SS_G1i_G2i	DUO-VARIO + varioVENT 2 & 3 & 5, G 1" - G 2" female, SS



WALL MOUNT



The wall bracket is suitable for flexible installation of GIEBEL Adsorber in confined spaces.

As a screw-on version for concrete walls, with clamping claws for steel girders or as a suspension version for grates or fences, no conversion measures are necessary on the system to use an adsorber.

In addition, the wall mount with matching hose and connecting components can be carried out to optimally adapt to the existing environment.

APPLICATIONS



Hydraulic Power
Packs



Gears



Storage Tanks



Barrels & IBC

VERSIONS



WH_oSL



WH_SL



WH_SL-SC



WH_BG



OVERVIEW

Version	Article No.		EAN / GTIN	Product Code	Specifications
WH_oSL	03.0000.89		4260611134228	WH_oSL-HK-2-3_SS_G1i	Material: Edelstahl; für Adsorber DV & vV 2&3; ohne Schelle; mit Haken; Gewicht: 0,5kg; Anschluss BSP G 1"
	03.0000.90		4260611134235	WH_oSL-5_SS_G1i	Material: Edelstahl; für Adsorber DV & vV 5; ohne Schelle; Gewicht: 1,5kg; Anschluss BSP G 1"
WH_SL	03.0000.56		4260611134242	WH_SL-3_SS_G1i	Material: Edelstahl; für Adsorber DV & vV 3; mit Schelle; Gewicht: 1,0kg; Anschluss BSP G 1"
	03.0000.57		4260611134259	WH_SL-5_SS_G1i	Material: Edelstahl; für Adsorber DV & vV 5; mit Schelle; Gewicht: 1,0kg; Anschluss BSP G 1"
	03.0000.58		4260611134273	WH_SL-7_SS_G1i	Material: Edelstahl; für Adsorber DV 7; mit Schelle; Gewicht: 1,0kg; Anschluss BSP G 1"
WH_BG	03.0000.92		4260611134280	WH_BG-SC2_PVC-PP_G1a	Schlauch-Baugruppe; Material: PVC & PP; Länge 2m; Gewicht: 0,3kg; Anschluss BSP G 1"
	03.0000.96		4260611135164	WH_BG-SC1,5_PVC-PP_KI_G1a	Schlauch-Baugruppe; Material: PVC & PP; mit Kamlock-Kupplung; Länge 3m; Gewicht: 1,3kg; Anschluss BSP G 1"
	03.0000.91		4260611134297	WH_BG-HK15_SS	Haken für Wandhalterung; Material: Edelstahl; Gewicht: 0,7kg
	03.0000.12		4260611134303	WH_BG-ZW40_SS	Zwingen für Wandhalterung; Material: Edelstahl; Gewicht: 2,4kg



ASSEMBLY TUBE



The mounting pipes facilitate the use of a GIEBEL Adsorber, if the adsorber can not be mounted due to its diameter.

This accessory is made of aluminum or stainless steel and can be used with screw-in thread or flange version.

APPLICATIONS



Hydraulic Power
Packs



Gears

VERSIONS



Thread AL



Tread SS



Flange AL

OVERVIEW

Version	Article No.		EAN / GTIN	Product Code	Specifications
Aluminium	03.0000.71		4260611134099	AT-I250_AL_F_G1i_G1a	Material: Aluminium, Gewicht: 0,5kg; Dichtung: FKM; Größe: H 250mm/ D 40mm, Anschluss BSP G 1"
Edelstahl	03.0000.75		4260611134112	AT-I250_SS_F_G1i_G1a	Material: Edelstahl, Gewicht: 1,3kg; Dichtung: FKM; Größe: H 250mm/ D 40mm, Anschluss BSP G 1"
Flansch	03.0000.82		4260611134136	AT-LK250_AL_F_LK73-M5_LK73	Material: Aluminium, Gewicht: 0,5kg; Dichtung: FKM; Größe: H 250mm/ D 85/60mm, Anschluss LK73mm



FLANGE ADAPTER



The flange adapter is used on hydraulic tanks with an existing and standardized hole pattern.

In the versions 3x M5 with bolt circle 41 mm or 6x M5 with bolt circle 73 mm according to DIN 42557 as well as DIN flanges, GIEBEL Adsorber can be easily mounted on all existing hydraulic systems. The flanges are available with suitable seal made of NBR, FKM or EPDM. As a complete assembly, all parts are integrated for quick installation.

APPLICATIONS



Hydraulic Power
Packs

VERSIONS



LK41-PA



LK73-PA



LK73-MA



LK73-ME

OVERVIEW

Version	Article No.		EAN / GTIN	Product Code	Specifications
FLA-LK41	07.2140.00		4260611133641	FLA-LK41_PA_N_G12i	Lochkreis: 41mm; Material: Nylon, Gewicht: 30g; Dichtung: NBR; Größe: D 52mm / H 22/35mm, Anschluss BSP G 1/2"
FLA-LK73	07.2134.01		4260611133665	FLA-LK73_PA_N_G1i	Lochkreis: 73mm; Material: Nylon, Gewicht: 60g; Dichtung: NBR; Größe: D 85mm / H 27/41mm, Anschluss BSP G 1"
	08.2122.00		4260611133672	FLA-LK73_AL_N_G1i	Lochkreis: 73mm; Material: AL, Gewicht: 180g; Dichtung: NBR; Größe: D 85mm / H 22/32mm, Anschluss BSP G 1"
	08.2131.00		4260611133689	FLA-LK73_AL_F_G1i	Lochkreis: 73mm; Material: AL, Gewicht: 180g; Dichtung: FKM; Größe: D 85mm / H 22/32mm, Anschluss BSP G 1"
	08.2134.00		4260611133696	FLA-LK73_AL_E_G1i	Lochkreis: 73mm; Material: AL, Gewicht: 180g; Dichtung: EPDM; Größe: D 85mm / H 22/32mm, Anschluss BSP G 1"
	08.2123.00		4260611133733	FLA-LK73_SS_F_G1i	Lochkreis: 73mm; Material: SS, Gewicht: 260g; Dichtung: FKM; Größe: D 85mm / H 22/34mm, Anschluss BSP G 1"



FILLING ADAPTER



The use of a filling adapter allows easy refilling of oil in a hydraulic unit or gearbox. The 40 mm filler neck makes it easy to fill in the oil without having to remove the adsorber.

The filling adapter can be supplied in a 41mm or 73mm pitch circle for hydraulic tanks or with a screw thread for gearboxes and contains all components required for assembly, such as sieves, gaskets and screws.

APPLICATIONS



Hydraulic Power
Packs



Gears

VERSIONS



LK41-MA



LK73-MA



LK73-MA SC



LK73-ME



AD



OVERVIEW

Version	Article No.		EAN / GTIN	Product Code	Specifications
FILL-LK41	08.2112.16		4260611133740	FILL-LK41_AL_N_G12i	Lochkreis: 41mm; Material: AL, Gewicht: 0,3kg; Dichtung: NBR; Größe: D 52mm / H 108/54mm, Anschluss G 1/2"
FILL-LK73	08.2112.01		4260611133757	FILL-LK73_AL_N_G1i	Lochkreis: 73mm; Material: AL, Gewicht: 1,0kg; Dichtung: NBR; Größe: D 85mm / H 148/70mm, Anschluss G 1"
	08.2112.23		4260611133764	FILL-LK73_AL_F_G1i	Lochkreis: 73mm; Material: AL, Gewicht: 1,0kg; Dichtung: FKM; Größe: D 85mm / H 148/70mm, Anschluss G 1"
	08.2112.06		4260611133771	FILL-LK73_AL_E_G1i	Lochkreis: 73mm; Material: AL, Gewicht: 1,0kg; Dichtung: EPDM; Größe: D 85mm / H 148/70mm, Anschluss G 1"
	08.2112.24		4260611133795	FILL-LK73_AL_N_G1i-SC	Lochkreis: 73mm; Material: AL, Gewicht: 0,7kg; Dichtung: NBR; Größe: D 85mm / H 148/70mm, Anschluss G 1"
	08.2112.04		4260611133801	FILL-LK73_SS_F_G1i	Lochkreis: 73mm; Material: SS316L; Gewicht: 2,2kg; Dichtung: FKM; Größe: D 85mm / H 148/70mm, Anschluss G 1"
FILL-AD	08.2112.18		4260611133818	FILL-AD_AL_N_G1i_G1a	Material: AL, Gewicht: 1,0kg; Dichtung: NBR; Größe: D 60mm / H 90mm, Anschluss G 1"
	08.2112.22		4260611133832	FILL-AD_SS_F_G1i_G1a	Material: SS 316L, Gewicht: 2,5kg; Dichtung: FKM; Größe: D 60mm / H 90mm, Anschluss G 1"



GIEBEL Adsorber®

...setting standards in aeration drying!



OIL MIST SEPARATOR



By using an oil mist separator, a GIEBEL Adsorber is protected from contamination by larger oil particles.

Used on systems with a high oil mist outlet, the proportion of evaporating oil particles is reduced with the oil mist separator and the air is cooled down.

This protects both the adsorber and the environment from damaging oil vapor.

APPLICATIONS



Hydraulic Power
Packs



Gears

VERSIONS



G 1/2"



G 1" AL



G 1" ME

OVERVIEW

Version	Article No.		EAN / GTIN	Product Code	Specifications
OSD	03.2135.07		4260611134143	OSD-130_AL_F_G12i_G12a	Material: AL, Gewicht: 0,3kg; Dichtung: FKM, Abmessungen: H 160 / D 36mm; Anschluss G 1/2"
	03.2132.00		4260611134150	OSD-180_AL_F_G1i_G1a	Material: AL, Gewicht: 0,9kg; Dichtung: FKM, Abmessungen: H 200 / D 55mm; Anschluss G 1"
	03.2135.05		4260611134174	OSD-180_SS_F_G1i_G1a	Material: SS 316L, Gewicht: 1,6kg; Dichtung: FKM, Abmessungen: H 200 / D 55mm; Anschluss G 1"



PROTECTION ADAPTER



By using a protective adapter to monitor a GIEBEL Adsorber, an optical or electronic signal is transmitted if the pressure difference is too high.

This makes it possible to see whether a filter has to be replaced: For effective protection, this module can also be equipped with protection valves with an opening pressure of 150 mbar, in order to ensure the air exchange of the system if the underpressure or overpressure is too high.

APPLICATIONS



Hydraulic Power
Packs



Gears



Storage Tanks

VERSIONS



LK73 opt



LK73 elek



AD



OVERVIEW

Version	Article No.		EAN / GTIN	Product Code	Specifications
PRT-LK73	08.2104.05		4260611133863	PRT-LK73_AL_F_F0,08_G1i	Lochkreis: 73mm; Material: AL, Gewicht: 0,9kg; Dichtung: FKM; Opt. Anzeige: -80mbar, Anschluss G 1"
	08.2104.17		4260611133887	PRT-LK73_AL_F_F0,08-el_G1i	Lochkreis: 73mm; Material: AL, Gewicht: 0,8kg; Dichtung: FKM; Elekt. Anzeige: -80mbar, Anschluss G 1"
	08.2104.11		4260611133894	PRT-LK73_AL_F_F0,08_V0,15_G1i	Lochkreis: 73mm; Material: AL, Gewicht: 0,9kg; Dichtung: FKM; Opt. Anzeige: -80mbar, Anschluss G 1"
	08.2104.02		4260611133900	PRT-LK73_SS_F_F0,08_G1i	Lochkreis: 73mm; Material: SS, Gewicht: 2,2kg; Dichtung: FKM; Opt. Anzeige: -80mbar, Anschluss G 1"
	08.2104.04		4260611133917	PRT-LK73_SS_F_F0,08-el_G1i	Lochkreis: 73mm; Material: SS, Gewicht: 2,2kg; Dichtung: FKM; Elekt. Anzeige: -80mbar, Anschluss G 1"
PRT-AD	08.2104.01		4260611133931	PRT-AD_AL_F_F0,08_G1i_G1a	Material: AL, Gewicht: 0,9kg; Dichtung: FKM; Opt. Anzeige: -80mbar, Anschluss G 1"
	08.2104.18		4260611133948	PRT-AD_AL_F_F0,08-el_G1i_G1a	Material: AL, Gewicht: 0,8kg; Dichtung: FKM; Elekt. Anzeige: -80mbar, Anschluss G 1"
	08.2104.15		4260611133962	PRT-AD_AL_F_F0,08_V0,15_G1i_G1a	Material: AL, Gewicht: 0,9kg; Dichtung: FKM; Opt. Anzeige: -80mbar, Anschluss G 1"
	08.2104.03		4260611133979	PRT-AD_SS_F_F0,08_G1i_G1a	Material: SS 316L, Gewicht: 0,8kg; Dichtung: FKM; Opt. Anzeige: -80mbar, Anschluss G 1"
	08.2104.12		4260611133986	PRT-AD_SS_F_F0,08-el_G1i_G1a	Material: SS 316L, Gewicht: 0,8kg; Dichtung: FKM; Elekt. Anzeige: -80mbar, Anschluss G 1"
	08.2104.14		4260611133993	PRT-AD_SS_F_F0,08_V0,15_G1i_G1a	Material: SS 316L, Gewicht: 1,3kg; Dichtung: FKM; Opt. Anzeige: -80mbar, Anschluss G 1"



OIL BYPASS ADAPTER



The bypass adapter allows the use of a bypass filter system without conversion measures on an existing hydraulic tank.

At the same time, the use of a GIEBEL Adsorber ensures ventilation and prevents further contamination of the hydraulic oil.

Available with one or two bypass connections, the bypass adapter can be adapted to the filter system.

APPLICATIONS



Hydraulic Power
Packs

VERSIONS



LK41_1By



LK41_2By



LK73_1By



LK73_2By



AD_1By



AD_2By



OVERVIEW

Version	Article No.		EAN / GTIN	Product Code	Specifications
LK 41	08.2100.10		4260611134006	ONA-LK41_AL_F_BY2_G12i	Material: Aluminium, Schlauch 2x 300mm; Gewicht: 0,5kg; Dichtung: FKM; Größe: H 107mm / D 50mm
	08.2100.11		4260611134013	ONA-LK41_AL_F_BY1_G12i	Material: Aluminium, Schlauch 1x 300mm; Gewicht: 0,5kg; Dichtung: FKM; Größe: H 107mm / D 50mm
LK 73	08.2100.07		4260611134020	ONA-LK73_AL_F_BY2_G1i	Material: Aluminium, Schlauch 2x 500mm; Gewicht: 1,4kg; Dichtung: FKM; Größe: H 107mm / D 85mm
	08.2100.03		4260611134037	ONA-LK73_AL_F_BY1_G1i	Material: Aluminium, Schlauch 1x 500mm; Gewicht: 1,5kg; Dichtung: FKM; Größe: H 107mm / D 85mm
AD G2	08.2105.03		4260611134068	ONA-AD_AL_F_BY2_G1i_G2a	Material: Aluminium, Schlauch 2x 500mm; Gewicht: 1,0kg; Dichtung: FKM; Größe: H 75mm / D 70mm
	08.2105.04		4260611134075	ONA-AD_AL_F_BY1_G1i_G2a	Material: Aluminium, Schlauch 1x 500mm; Gewicht: 0,9kg; Dichtung: FKM; Größe: H 75mm / D 70mm



BYPASS ADAPTER



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

On the other hand, the outflowing air flows out through the stainless steel valve either into the environment or into a screwed-on pipe for targeted discharge, e.g. out of the building. The internal ball-and-spring valve blocks the contact of the inside of the tank with the adsorber, so that particularly aggressive or sensitive substances can be efficiently ventilated.

APPLICATIONS



Hydraulic Power
Packs



Gears

VERSIONS



BPA-MA



BPA-ME

OVERVIEW

Version	Article No.		EAN / GTIN	Product Code	Specifications
BPA-MA	08.0000.71		4260611133849	BPA_AL_F_G1i-IV_G1i_G1a	Material: Aluminium, Gewicht: 1,1kg; Dichtung: FKM; Größe: D 137/60mm / H 80mm, Anschluss BSP G 1"
BPA-ME	08.0000.70		4260611133856	BPA_SS_F_G1i-IV_G1i_G1a	Material: Edelstahl, Gewicht: 1,9kg; Dichtung: FKM; Größe: D 137/60mm / H 80mm, Anschluss BSP G 1"



VENTILATION SYSTEM



The ventilation system is used when a storage tank will filled without gas recirculation (vapor recovery method). This module ensures that the high volume flows out when the tank is filling and prevent against overpressure.

This way, there is no overpressure in the tank. Of course, in combination with a GIEBEL Adsorber, the inflowing air will be dried in the tank and the substance is protected against contamination with water.

APPLICATIONS



Storage Tanks

VERSIONS



with
Adsorber



without
Adsorber



Flange



OVERVIEW

Version	Article No.		EAN / GTIN	Product Code	Specifications
Mit Adsorber	08.0000.69		4260611134396	EBS_SS_F_2-V0,03_G1i_G2i	Material: Edelstahl 316L, Gewicht: 8,7kg; Dichtung: FKM; Größe: H 245mm / D 315mm, Anschluss BSP G 2"
	08.0000.82		4260611134891	EBS_SS_E_2-V0,03_G1i_G2i	Material: Edelstahl 316L, Gewicht: 8,7kg; Dichtung: EPDM; Größe: H 245mm / D 315mm, Anschluss G 2"
Ohne Adsorber	08.0000.83		4260611134877	EBS_SS_F_2-V0,03_G2i	Material: Edelstahl 316L, Gewicht: 8,1kg; Dichtung: FKM; Größe: H 245mm / D 315mm, Anschluss BSP G 2"
	08.0000.84		4260611134884	EBS_SS_E_2-V0,03_G2i	Material: Edelstahl 316L, Gewicht: 8,1kg; Dichtung: EPDM; Größe: H 245mm / D 315mm, Anschluss G 2"
Flansch	08.0000.57		4260611134402	EBS_SS_F_2-V0,03_G1i_FDN50	Material: Edelstahl 316L, Gewicht: 13,2kg; Dichtung: FKM; Größe: H 325mm / D 315mm, Flansch DN50
	08.0000.74		4260611134419	EBS_SS_F_2-V0,03_G1i_FDN65	Material: Edelstahl 316L, Gewicht: 13,8kg; Dichtung: FKM; Größe: H 325mm / D 315mm, Flansch DN65
	08.0000.56		4260611134440	EBS_SS_F_2-V0,03_G1i_Flbs150-2	Material: Edelstahl 316L, Gewicht: 12,6kg; Dichtung: FKM; Größe: H 325mm / D 315mm, Flansch ANSI lbs 2"
	08.0000.79		4260611134457	EBS_SS_F_2-V0,03_G1i_Flbs150-4	Material: Edelstahl 316L, Gewicht: 17,4kg; Dichtung: FKM; Größe: H 325mm / D 315mm, Flansch ANSI lbs 4"



IBC COVER



For assembly a GIEBEL Adsorber on an IBC container, the appropriate lid can be used.

With the nominal width 150 and 225 all versions are available. A matching threaded sleeve for the breathing dryer is integrated.

APPLICATIONS



Barrels & IBC

VERSIONS



NW 150



NW 225

OVERVIEW

Version	Article No.		EAN / GTIN	Product Code	Specifications
NW 150	33.0540.00		4260611134464	IBCD-150_PL_E_G1i	Material: Kunststoff, Gewicht: 0,6kg; Dichtung: EPDM; Größe: H 62mm / D 190mm, Anschluss BSP G 1"
NW 225	33.0543.00		4260611134471	IBCD-225_PL_E_G1i	Material: Kunststoff, Gewicht: 1,1kg; Dichtung: EPDM; Größe: H 62mm / D 270mm, Anschluss BSP G 1"



ELBOW ADAPTER



The elbow adapter allows the installation of a GIEBEL Adsorber on horizontal drums.

Equipped with a BSP G 3/4" thread and a lock nut, the adsorber is aligned vertically and aerates the barrel when emptying.

APPLICATIONS



Barrels & IBC

VERSIONS



AL



SS

OVERVIEW

Version	Article No.		EAN / GTIN	Product Code	Specifications
Aluminium	03.0000.54		4260611134181	WA-90_AL_N_G34i_G34a	Material: Aluminium, Gewicht: 0,4kg; Dichtung: NBR; Größe: H 80mm / D 125mm, Anschluss BSP G 3/4"
Edelstahl	03.0000.19		4260611134204	WA-90_SS_F_G34i_G34a	Material: Edelstahl, Gewicht: 0,6kg; Dichtung: FKM; Größe: H 80mm / D 125mm, Anschluss BSP G 3/4"



SUCTION LANCE



With the use of a suction lance, a drum pump can be connected and the substance can be taken out of a barrel very easily directly from the bottom. The simultaneous use of a GIEBEL Adsorber dries the inflowing air and protects the drum contents from atmospheric moisture.

Screwed into the 2" thread of a 216.5 l drum, the suction lance is available as an aluminum or stainless steel version and is resistant to numerous substances.

APPLICATIONS



Barrels & IBC

VERSIONS



AL



AL_KL



AL_2BY



SS

OVERVIEW

Version	Article No.		EAN / GTIN	Product Code	Specifications
Aluminium	03.0000.84		4260611134488	SAL-BAR_AL_F_G1i_G34i_G2a	216,5l Fass; Material: Aluminium, Gewicht: 2,7kg; Dichtung: FKM; Größe: H 930/856mm / D 70mm
	03.0000.87		4260611134495	SAL-IBC_AL_F_G1i_G34i_G2a	1000l IBC; Material: Aluminium, Gewicht: 3,0kg; Dichtung: FKM; Größe: H 1090/1016mm / D 70mm
AL_Kamlock	03.0000.94		4260611134655	SAL-BAR_AL_F_KL-G1i_G34i_G2a	216,5l Fass mit Kamlock; Material: Aluminium, Gewicht: 2,8kg; Dichtung: FKM; Größe: H 930/856mm / D 70mm
AL_2x Bypass	03.0000.15		4260611134518	SAL-BAR_AL_F_2-G34i_G34i_G2a	216,5l Fass 2y Bypass; Material: Aluminium, Gewicht: 2,1kg; Dichtung: FKM; Größe: H 930/856mm / D 70mm
Edelstahl	03.0000.16		4260611134501	SAL-BAR_SS_F_G1i_G34i_G2a	216,5l Fass; Material: Edelstahl, Gewicht: 4,0kg; Dichtung: FKM; Größe: H 930/856mm / D 70mm



ONLINE SERVICES



Documentation, contact details and quality documents can be found on our homepage at <https://www.giebel-adsorber.de/en/>.

For information on the design of adsorbers, see for example:
<https://www.giebel-adsorber.de/en/applications/hydraulics>

For product information, technical specifications, datasheets, instructions, conformities, etc., see for example:
<https://www.giebel-adsorber.de/en/products/vario-pa>

Contact persons for all questions can be found at:
<https://www.giebel-adsorber.de/en/contact/sales-department>


GIEBEL Adsorber®
...setting standards in aeration drying!

Contact your nearest branch:

WA	Kewdale WA (National H/Office) 67 Kewdale Road Kewdale WA 6105 Ph: (08) 9352 2200	Bunbury Bearings Ph: (08) 9721 3522	Albany Ph: (08) 9842 2488	Bibra Lake Ph: (08) 9434 9555
	Belmont Ph: (08) 9478 2444	Bunbury Ph: (08) 9724 9100	Collie Ph: (08) 9734 1624	Geraldton Ph: (08) 9964 4655
	Kalgoorlie Ph: (08) 9091 4111	Karratha Ph: (08) 9144 2333	Linear Head Office Ph: (08) 9475 5000	Naval Base Ph: (08) 9410 1800
		Wangara Ph: (08) 9303 6900		
QLD	Coopers Plains (State H/Office) 902 Beaudesert Road Coopers Plains QLD 4108 Ph: (07) 3717 4444	Coopers Plains Linear dept Ph: (07) 3717 4452	Cairns Ph: (07) 4035 1800	Townsville Ph: (07) 4758 8855
	Virginia Ph: (07) 3265 2666	Mackay Ph: (07) 4952 6660	Rockhampton Ph: (07) 4927 2677	
NSW	Smithfield (State H/Office) Unit 4, 8 Cooper Street Smithfield NSW 2164 Ph: (02) 9616 0000	Beresfield (Newcastle) Ph: (02) 4041 6444	Smithfield Linear dept Ph: (02) 9616 0066	Wollongong Ph: (02) 4272 2377
VIC	Dandenong South (State H/Office) 84 Greens Road Dandenong Sth VIC 3175 Ph: (03) 8710 9777	Dandenong South Linear dept Ph: (03) 9755 6044	Somerton Ph: (03) 9308 0055	Traralgon Ph: (03) 5172 3000
SA	Wingfield (State H/Office) 13 Streiff Road Wingfield SA 5013 Ph: (08) 8260 6299	Wingfield Linear dept Ph: (08) 8260 6299	TAS Hobart 39 Sunderland Street Derwent Park TAS 7009 Ph: (03) 6216 6999	
	INDONESIA Ph: (62) 542 7031166			

