

Rebuildable Stainless Steel PowerBreather™

Protects lubricants and equipment from moisture and particulate intrusion.
Extends service cycles and equipment life in high-flow applications.



304 SS
Housing

304 SS Construction

priced below competitors
carbon steel units.

TTI believes carbon steel
should be eliminated in high
humidity environments.

Filter
Cartridge

20% More Microglass Media

equating to more dirt
holding capacity.

Moisture
Holding
Capacity

20% More Moisture Holding

capacity for the
PowerBreather Gel
compared to competitors
and proven in
head-to-head trials.

TTI
Rebuild
Kits

Fully Compatible

with DES-CASE
rebuildable breathers.

**TTI**

Rebuildable Stainless Steel PowerBreather™

The TTI Rebuildable PowerBreather offers the ability to remove both particulate and moisture in high-flow and extreme humidity environments.

While in service, the PowerBreather eliminates moisture and particulate intrusion into the system. During shutdown, the PowerBreather silica gel attracts moisture by actively drying the system.

Rebuild Kit

Replacement Filter Cartridge

Pleated microglass filter cartridge captures airborne contaminants to 1 micron absolute.

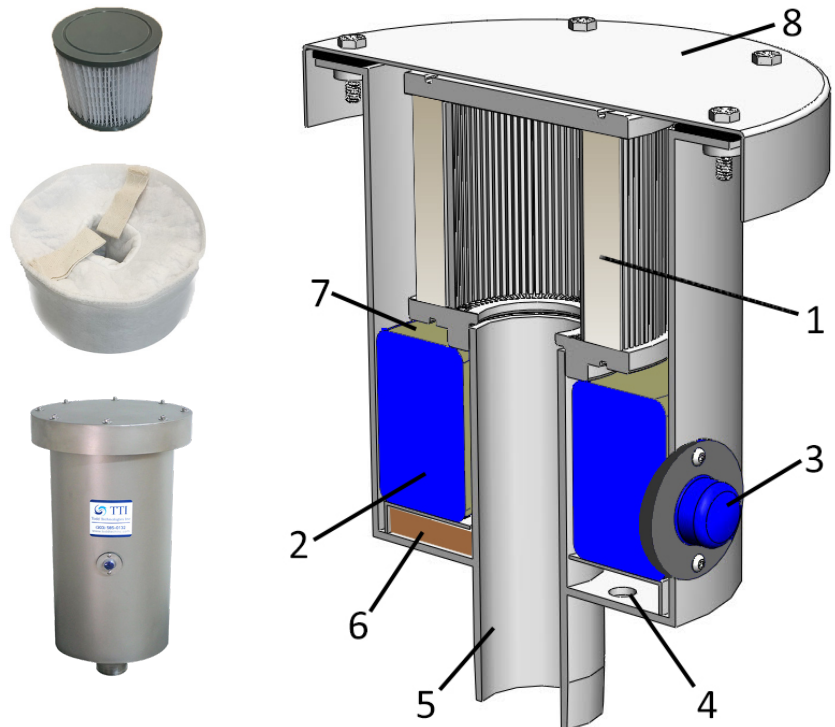
Desiccant Bag Filter

Polypropylene bag has handles for easy removal and replacement.

Sight Glass Indicator

Silica gel changes color from blue to pink when the unit requires rebuilding.

Note: Rebuild kit also includes lid gasket, sight glass gasket and oil dispersing foam pad.



Rebuildable PowerBreather Components

1-Pleated Filter Cartridge

Pleated microglass filter cartridge captures airborne contaminants to 1 micron absolute.

2-Desiccant

Silica gel strips moisture from incoming air.

3-Sight Glass Indicator

Silica gel changes color from blue to pink when the unit requires rebuilding.

4-Air Vents

Removable stickers keep breather inactive until installation.

5-Integrated Standpipe

Open-flow construction provides negligible resistance to air flow and allows oil mist to coalesce and drain back into the reservoir.

6-Foam Pad

Polymeric foam filter pad captures large particulate, attracts and absorbs oil, and disperses incoming air evenly across the filter cartridge and desiccant media.

7-Easy to Replace Desiccant Bag

Polypropylene bag has handles for easy removal.

8-Rugged Housing

Robust 304 SS construction eliminates chance of corrosion in high humidity environments.

Dimensions

Model	Height inches/cm	Width inches/cm	Approx. Dry Weight lbs/kg	Amount of Desiccant lbs/kg	Max Absorption Capacity gal/L	Max. Air Flow Rate cfm	Oper. Temp.	Connect Size
TT-RS-3	11.5/29.2	10.1/25.7	16/7.26	3/1.36	0.14/0.54	85 @ 0.5psid	-20-220°F/ -29-104°C	2"
TT-RS-5	13.75/34.9	10.1/25.7	20/9.07	5/2.27	0.24/0.9	85 @ 0.5psid	-20-220°F/ -29-104°C	2"
TT-RS-9	18.25/45.4	10.1/25.7	27/12.25	9/4.08	0.43/1.62	80 @ 0.5psid	-20-220°F/ -29-104°C	2"
TT-RS-15	19.25/48.9	15.5/39.4	49/22.23	15/6.80	0.71/2.7	205 @ 0.5psid	-20-220°F/ -29-104°C	3"
TT-RS-25	22.5/57.1	15.5/39.4	64/29.03	25/11.34	1.19/4.5	140 @ 0.5psid	-20-220°F/ -29-104°C	3"
TT-RS-50	31.25/79.4	15.5/39.4	100/45.36	50/22.68	2.38/9	115 @ 0.5psid	-20-220°F/ -29-104°C	3"
TT-RS-75	39.75/101	15.5/39.4	144/65.32	75/34.02	3.57/13.5	80@ 0.5psid	-20-220°F/ -29-104°C	3"

All models are available in EU with orange gel and follow the same dimensions.
EU codes are the following:

TTE-RS-3	TTE-RS-9	TTE-RS-25	TTE-RS-75
TTE-RS-5	TTE-RS-15	TTE-RS-50	

Rebuild Parts & Accessories

(TTI Rebuild Kits can be used in DES-CASE Rebuildable PowerBreathers)

Model	Description
TT-RS-*-RK	Rebuildable Stainless Steel Breather Kits
TT-RS-*-F1	Rebuildable Stainless Steel Breather Microglass Filter Cartridge
TT-RS-*-D1	Rebuildable Stainless Steel Desiccant Bag
TT-RS-*-SG1	Rebuildable Stainless Steel Breather Sight Glass
TT-RS-*-P1	Rebuildable Stainless Steel Breather Foam Pad Insert
TT-RS-*-G1	Rebuildable Stainless Steel Breather Gasket Seals

NOTE: For part codes containing an (*), substitute the appropriate RS model number.
(Example: the part code for a rebuildable stainless steel breather kit for the TT-RS-75 would be TT-RS-75-RK.).

All model kits are available in EU, for the model number add "E" after TT.
Example: the part code for a EU rebuildable stainless steel breather kit for the TT-RS-75-RK would be TTE-RS-75-RK.

TTI recommends use of a pressure relief valve on any tank or storage system.

Features

- 304 Stainless Steel housing
- Easy to replace desiccant bags remove moisture from incoming air
- Pleated filter removes particles to 1-micron absolute
- Eliminates rust forming condensation
- Prevents water contaminated fluid and sludge deposits
- Reduces wear and tear on equipment prolonging life

Materials

Housing:

304 Stainless Steel

Moisture Absorbing Media:

Silica Gel

Filter Media:

Microglass, Polyurethane

Gasket/Seal:

Buna-N





Applications

- Diesel Tank Storage
- Hydraulic Reservoir
- Bulk Storage
- Chemical & Harsh Environments

Typical Industries

- Manufacturing
- Chemical
- Pulp & Paper
- Storage Facilities
- Mining
- Power Plants
- Wind Energy



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