



TTI

Todd Technologies Inc

# Rebuildable Steel Power Breathers™

Protects lubricants and equipment from moisture and particulate intrusion.

Extends service cycles and equipment life in high-flow applications.



# TTI Rebuildable Steel Power Breathers™

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

While in service, the Power Breather eliminates moisture and particulate intrusion into the system. During shutdown, the Power Breather silica gel attracts moisture from within the system actively drying the system.

## Rebuild Kit

### Replacement Filter Element

Pleated filter element captures airborne Contamination to 1-micron absolute.

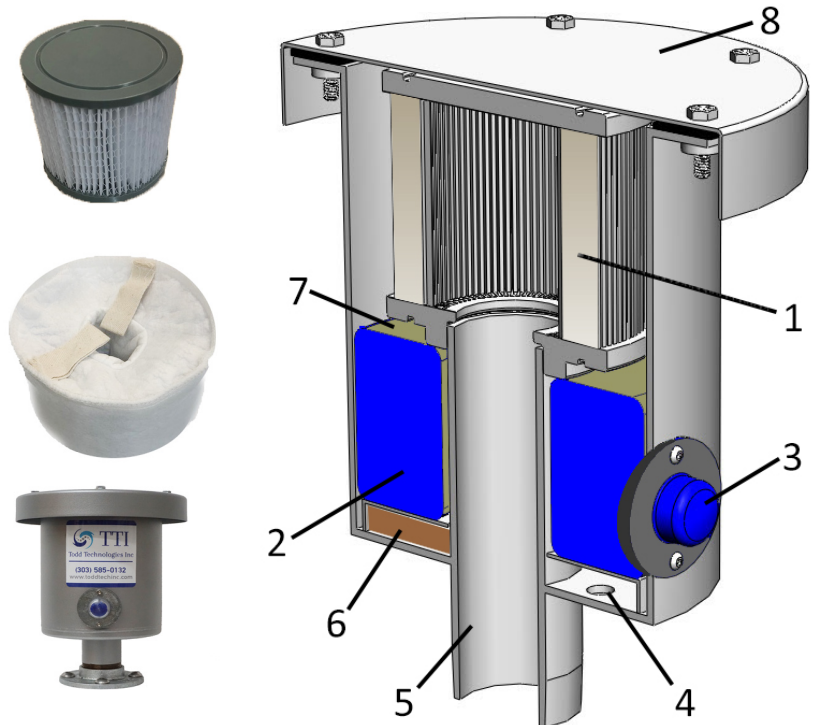
### Desiccant Bag Filter

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 insert.



## Rebuildable Breather Components

### 1-Pleated Filter Cartridge

Filter element captures airborne contamination 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 filtration and desiccant media.

### 7-Easy-to-Replace Desiccant Bag

Polypropylene bag has handles for easy removal.

### 8-Rugged Housing

Robust carbon steel construction with a powdercoated finish provides durability.

## 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"

## Rebuild Parts & Accessories

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

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

**NOTE:** For part codes containing \*, substitute the appropriate RS model number.  
(Example: the part code for a sight glass cartridge for the TT-RS-75 would be TT-RS-75-SG1.)

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

## Features

- Carbon steel housing
- Easy-to-replace desiccant bags  
remove moisture from incoming air
- Replaceable filter removes particles  
to 1-micron absolute
- Eliminates rust-forming condensation
- Prevents sludge deposits and water-  
contaminated fluid
- Reduces wear and tear on equipment  
prolongs life

## Materials

### Housing:

Carbon Steel with Powder Coat Finish

### 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



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