



Donaldson®  
Filtration Solutions

**WATER  
MEANS  
TROUBLE**



**T.R.A.P.™  
STOPS  
TROUBLE  
BEFORE  
IT GETS IN.**



# T.R.A.P.™ Breathers arrest moisture and free your budget.

## WATER MEANS TROUBLE

And it has a way of sneaking into your hydraulic circuits. Unless you have a Donaldson T.R.A.P.™ Breather standing guard over your system.

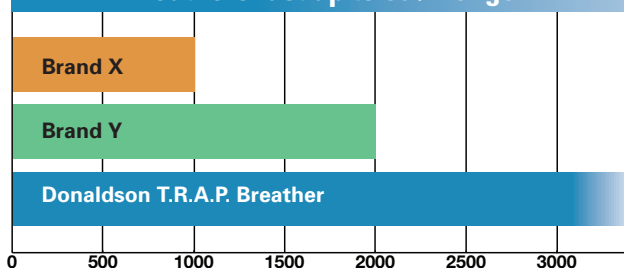
**NO** moisture slips by Donaldson's Thermally Reactive Advanced Protection (T.R.A.P.). In fact, it removes moisture at relative humidity levels as low as 15%! T.R.A.P. filtration technology reacts instantly to thermal conditions, blocking moisture completely.

T.R.A.P. Breathers from Donaldson are the **ONLY** breathers on the market that literally strip moisture vapor from intake air and exhale the moisture back to the atmosphere on the outflow cycle. The filter continuously regenerates its water holding capacity!

### T.R.A.P. Breathers last longer. So will your budget.

As illustrated to the right, T.R.A.P. Breathers actually exhale the moisture back out, which means you won't need to change the breather due to water saturation ... unlike desiccant filters that require frequent change-out. **Like the name suggests, it TRAPS water before it gets in, yet doesn't restrict air flow, and lets your hydraulic reservoir BREATHE.**

### T.R.A.P. Breathers last up to 50% longer!



The patented T.R.A.P. filtering material regenerates its water-holding capacity, leading to a much longer service life. In competitive testing, T.R.A.P. Breathers performed beyond 3,000 cycles, while silica gel breathers lost efficiency at less than 2,000 cycles.



*"The T.R.A.P. Breathers last longer. They're more durable."*

— Florida

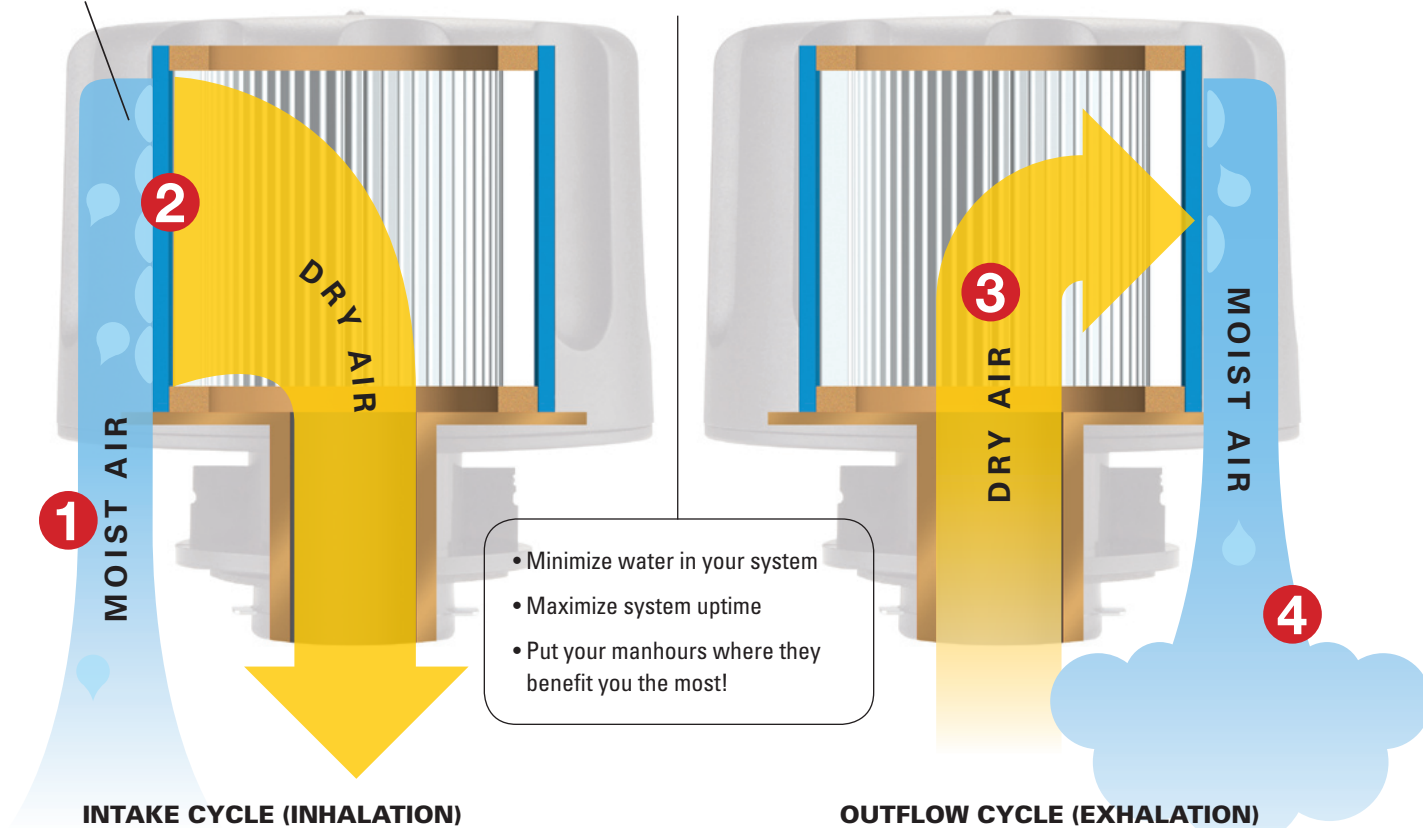
Compare	T.R.A.P. Technology	Desiccant Filters
Service life	Extended Life (exhales moisture and refreshes its holding capacity on each cycle).	Shorter life (due to saturation of filtering material), leading to frequent replacement.
Effectiveness	Reacts instantly to conditions in the hydraulic circuit, creating a moisture barrier without impeding airflow.	Requires extended exposure to the air stream before absorption begins. Restricts airflow.
Maintenance costs	Reduced man-hours.	Increased man-hours.
Technology	Thermally reactive barrier that removes moisture at relative humidity levels as low as 15%.	Absorbent filtering material that loses holding capacity with each cycle.
Filtration	Superior moisture blocking and particulate filtration down to 3 microns at 97%.	Less effective moisture blocking and particulate filtration.
Other Advantages	Will not freeze in winter.	Subject to freezing in winter conditions.

Compare T.R.A.P. Breathers and you'll be impressed. *Try T.R.A.P. Breathers and you'll be convinced!*



# HOW IT WORKS

## TRAPPED MOISTURE



### INTAKE CYCLE (INHALATION)

- 1 The circuit "breathes in" air containing moisture vapor.
- 2 The T.R.A.P. Breather strips moisture from the incoming air, allowing only dry air to enter the circuit.

### OUTFLOW CYCLE (EXHALATION)

- 3 During the "exhalation" cycle, The T.R.A.P. Breather allows unrestricted airflow outward.
- 4 The outflow of dry air picks up the moisture collected by the T.R.A.P. Breather during intake, and "blows it back out" – fully regenerating the T.R.A.P. Breather's water-holding capacity.

*"The T.R.A.P. Breathers have a longer service life. Desiccant filters seem to plug up quickly."*

– Illinois

*"We test our oil every month. With the old desiccant filters, we always had free-standing water in the sample. With the T.R.A.P. Breathers, it's nothing but pure oil."*

– Nebraska

## T.R.A.P. Breather... Moisture meets its match.

**It's time to stop trouble from getting into your system!**

All it takes to find your distributor is one simple phone call to Donaldson ... or, find your distributor by visiting our website.

**1-800-846-1846**



**Donaldson®**  
Filtration Solutions

For more filtration solutions, visit our website:  
**[www.donaldson.com/en/ih](http://www.donaldson.com/en/ih)**



# Donaldson T.R.A.P. Breathers



Part Number	Construction	Connection	Airflow	Indicator	Oil Splash/ Mist Containment
P566151	Glass-filled ABS	1" NPT	45 CFM Max.	Optional Mechanical	No
P566156	Glass-filled ABS	Bayonet	45 CFM Max.	No	No
P564669	Glass-filled ABS	1" NPT	45 CFM Max.	Electronic	No
P565616	Glass-filled ABS	Bayonet	45 CFM Max.	Electronic	No
P565857	Epoxy Coated Steel	3/4" NPT	25 CFM Max.	Optional Mechanical	Yes
P565858	Epoxy Coated Steel	Bayonet	25 CFM Max.	No	Yes
P566037	Epoxy Coated Steel	3/4" BSP	25 CFM Max.	No	Yes
P566174	Glass-filled ABS	9/16"-18 UNF	3 CFM	No	Yes
P567390	Glass-filled ABS	3/8" NPT	3 CFM	No	Yes
P567392	Glass-filled ABS	1/4" NPT	3 CFM	No	Yes

## T.R.A.P. Breather... Moisture meets its match.

For more filtration solutions, call:

**1-800-846-1846**

or visit our website:

[www.donaldson.com/en/ih](http://www.donaldson.com/en/ih)



**Donaldson**  
Filtration Solutions

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