



Clean Fuel & Lubricant Solutions

T.R.A.P.™ Breather Spin-on

P923565

The Thermally Reactive Advanced Protection (T.R.A.P.) Breather assembly protects the contents of your storage tank from airborne moisture and particulate contamination.

It combines a high capacity 3 micron air filter with a deliquescent breather that dries itself when air is expelled from the tank. This self-regenerating capability of T.R.A.P. enables extended life.

Keep your fluids clean and dry with a Donaldson Clean T.R.A.P. Breather.



2" NPT

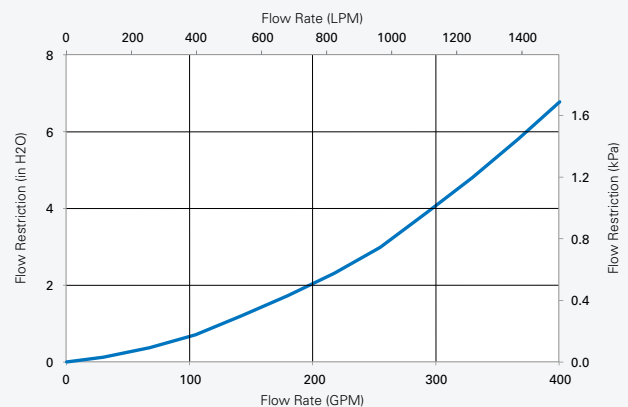
⚠ WARNING

Always locate your tank's name plate and cross check against the flow chart to ensure safety. Use maximum flow INTO tank for validating pressure rating and flow OUT OF tank for vacuum ratings. **DO NOT EXCEED TANK PRESSURE OR VACUUM RATINGS.**

SPECIFICATIONS

Efficiency	97% efficient at 3 microns
Max. Flow Range	Combined inlet and outlet flow up to 400 gpm / 1500 lpm
Operating Temperature	-40 to 200 °F / -40 to 93 °C
Fluid Compatibility	Safe for use with all diesel fuels and lubricants
Height	7.3 in. / 185 mm
Construction	ABS housing, urethane end caps
Connection	2" NPT female

T.R.A.P. Breather



FEATURES

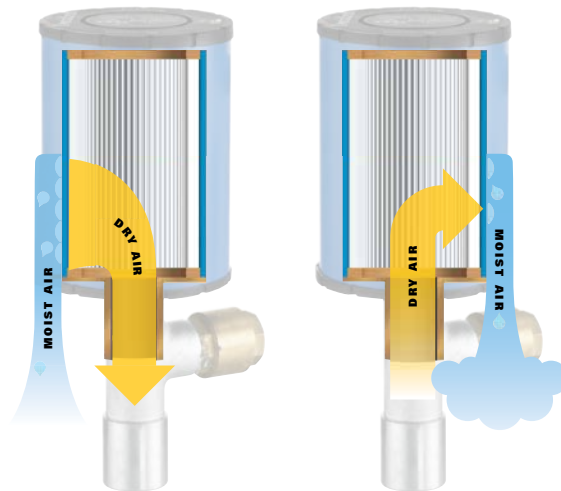
- High efficiency air filtration
- Longer life and lower airflow restriction than typical silica gel breathers
- Self-regenerating moisture adsorption
- Easy to service
- For indoor or outdoor use, even in cold temperatures
- 2 inch connection for regions where local code prohibits; complies with local code

APPLICATIONS

- For use with all diesel fuels and lubricants
- Back up generators (long term fuel storage tanks, generator day tanks)
- Mobile service trucks
- Indoor or outdoor applications
- Most tanks up to 10,000 gal. / 40,000 liters (large tanks may require multiple units)
- Application must have relief valve.

TECHNOLOGY

Compare	T.R.A.P. Technology	Desiccant Filters
Service Life	Extended life (expels 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	Increased service hours.	Reduced service 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% with up to 7x the media area	Less effective moisture blocking and particulate filtration with smaller filtration area.
Oil Mist	Built in coalescing stage.	No oil mist control.



INSTALLATION

T.R.A.P. Breathers may only be installed on tanks with emergency vents and should be sized so the clean pressure drop is less than half the tank's working pressure. Use API 2000 to calculate the required flow rates. Contact Donaldson for sizing assistance.

- Installs on any standard 2" NPT male connection
- Use fittings to adapt up or down in size
- Recommended for tanks up to 10,000 gal. / 40,000 l.; larger tanks may require multiple units
- Tanks with 4" / 100mm or larger elbow shaped breather pipes frequently have extremely low vacuum ratings and are unsuitable for breather filters
- NEVER exceed the tank's pressure or vacuum limitations



REPLACEMENT PARTS & MAINTENANCE SCHEDULE

- Service every four months on a preventive maintenance schedule
- Use spin-on replacement filter element P923565