



DONALDSON DELIVERS **T.R.A.P.™ BREATHERS**

**DESIGNED FOR MOBILE & STATIONARY
RESERVOIR BREATHER APPLICATIONS**



T.R.A.P. (Thermally Reactive Advanced Protection) breathers provide fast-acting protection against airborne moisture and particulate contamination.

T.R.A.P. technology strips moisture vapour from intake air and expels the moisture back to the atmosphere. Moisture is prevented from entering and is actually “pumped” out with each flow cycle. The media regenerates its water-holding capacity, which leads to longer service life - 3 to 4 times the life of conventional desiccant breathers.



T.R.A.P.™ Breathers

Airflow 85lpm

Mini



P566174

Glass-filled nylon

9/16" - 18UNF

Total Height: 56mm

Diameter: 42mm

Efficiency: 3µm @ 98%



P567390

Glass-filled nylon

3/8" NPT

Total Height: 56mm

Diameter: 42mm

Efficiency: 3µm @ 98%



P567392

Glass-filled nylon

1/4" NPT

Total Height: 56mm

Diameter: 42mm

Efficiency: 3µm @ 98%



P567932^

Glass-filled nylon

3/8" NPT

Total Height: 56mm

Diameter: 42mm

Efficiency: 3µm @ 98%



P567933^

Glass-filled nylon

1/4" NPT

Total Height: 56mm

Diameter: 42mm

Efficiency: 3µm @ 98%

^

Oil splash containment

Particulate only, no moisture removal

Airflow 200lpm

Anti-rollover Valve



P767025

Glass-filled nylon

1/2" BSP

Total Height: 62mm

Diameter: 72.5mm

Efficiency: 10µm @ 98%



P766645

Glass-filled nylon

3/4" BSP

Total Height: 64mm

Diameter: 72.5mm

Efficiency: 10µm @ 98%



P766646

Glass-filled nylon

1" BSP

Total Height: 72.1mm

Diameter: 72.5mm

Efficiency: 10µm @ 98%

Pressurisation Valve



P767019

Glass-filled nylon

3/4" BSP

Total Height: 64mm

Diameter: 72.5mm

Pressure: 40kPa/5.8psi

Efficiency: 10µm @ 98%



P767021

Glass-filled nylon

1" BSP

Total Height: 72.1mm

Diameter: 72.5mm

Pressure: 40kPa/5.8psi

Efficiency: 10µm @ 98%

Airflow 300lpm

Medium



P767027

Glass-filled nylon

1/2" BSP

Total Height: 62mm

Diameter: 72.5mm

Efficiency: 10µm @ 98%



P767029

Glass-filled nylon

3/4" BSP

Total Height: 64mm

Diameter: 72.5mm

Efficiency: 10µm @ 98%



P767031

Glass-filled nylon

1" BSP

Total Height: 72.1mm

Diameter: 72.5mm

Efficiency: 10µm @ 98%

T.R.A.P.™ Breathers

Airflow 708lpm

Metal



P565857
Epoxy-coated steel
 3/4" NPT
 Total Height: 72.9mm
 Diameter: 80.8mm
 Efficiency: 3µm @ 98%



P566037
Epoxy-coated steel
 3/4" BSP
 Total Height: 70.1mm
 Diameter: 80.8mm
 Efficiency: 3µm @ 98%



P575077
Epoxy-coated steel
 Bayonet with lock tab
 Total Height: 40.9mm
 Diameter: 80.8mm
 Efficiency: 3µm @ 98%



P565858
Epoxy-coated steel
 Bayonet
 Total Height: 40.9mm
 Diameter: 80.8mm
 Efficiency: 3µm @ 98%

Airflow 1,274lpm

Large



P566151
Glass-filled ABS
 1" NPT
 Total Height: 115.1mm
 Diameter: 114.3mm
 Efficiency: 3µm @ 98%



P564669¹
Glass-filled ABS
 1" NPT
 Total Height: 115.1mm
 Diameter: 114.3mm
 Efficiency: 3µm @ 98%

LED Indicator



P505964
Adapter
 1" NPT female -
 3/4" BSP Male



P566156
Glass-filled ABS
 Bayonet
 Total Height: 167.6mm
 Diameter: 114.3mm
 Efficiency: 3µm @ 98%



P565616¹
Glass-filled ABS
 Bayonet
 Total Height: 167.6mm
 Diameter: 114.3mm
 Efficiency: 3µm @ 98%

LED Indicator

Recommended Max Airflow 500lpm

X-Large



P923075
Urethane
 1 1/4" BSP (m)
 Total Height: 247mm
 Diameter: 176.5mm
 Efficiency: 3µ @ 98%



P506159²
Brass, Urethane
 1 1/2" BSP (f)
 Total Height: 366mm
 Maximum Width: 212mm
 Relief Valve Set: 2.32PSI/15aPa

¹ Electronic indicator triggered by pressure differential, and flashes red to indicate a change out is required (1 PSID).

² Includes visual indicator

Moisture Meets it Match

How it Works

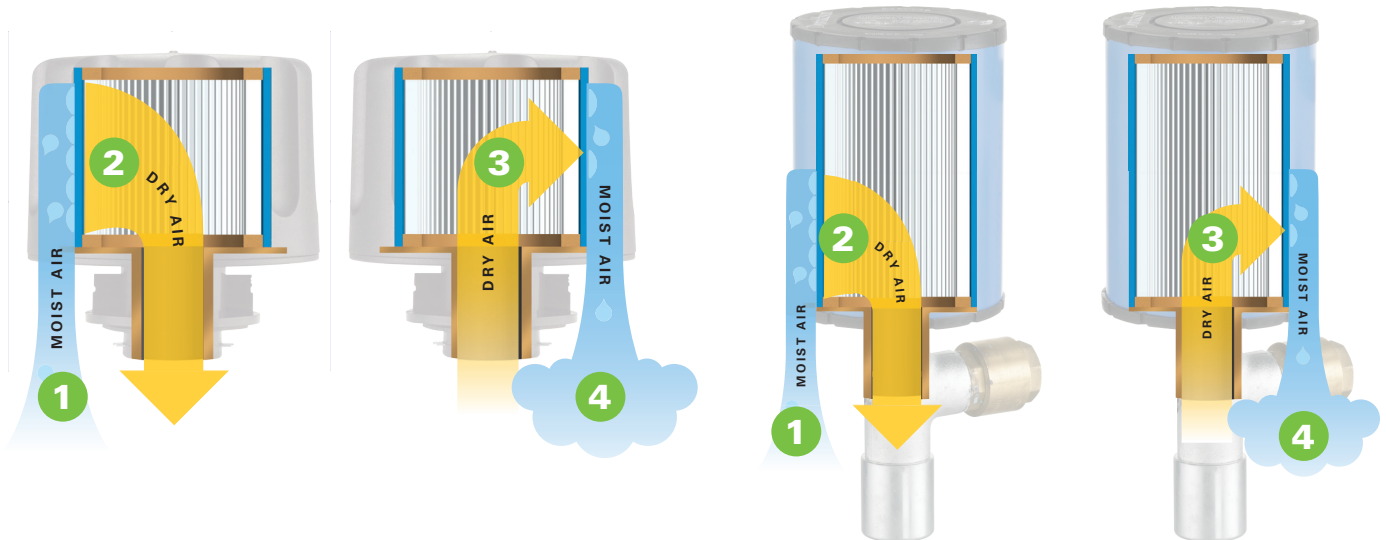
T.R.A.P.™ breathers from Donaldson are the only breathers on the market that literally strip moisture vapour from intake air and expel the moisture back to the atmosphere on the outflow cycle. The filter continuously regenerates its water holding capacity.

Benefits

- Provide fast-acting protection for hydraulic reservoirs against airborne moisture and particulate contamination
- Easy to install, simply hand tighten
- Rugged, durable design
- Robust housing protects media

Features

- Filter out solid particulate down to 3µm at 98% efficiency
- Prevent moisture from entering the reservoir
- Water-holding capacity is regenerated with every oil return phase for long service life.
- Operating temperature -40°C to 93°



- 1** The circuit “breathes in” air containing moisture vapour.
- 2** The T.R.A.P.™ breather strips moisture and particulate from the incoming air, allowing only clean, dry air to enter the circuit.
- 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.



Donaldson Australasia Pty Ltd
Wyong, NSW, 2259

1800 FILTER (Australia)

www.donaldson.com

Brochure No. F112006 (11/24)

© 2024 Donaldson Company, Inc. All rights reserved. Donaldson Company, Inc. reserves the right to change or discontinue any model or specification at any time and without notice. Printed in Australia.

Donaldson New Zealand Pty Ltd
Auckland, New Zealand, 1741

+64 9 579 2790 (NZ)