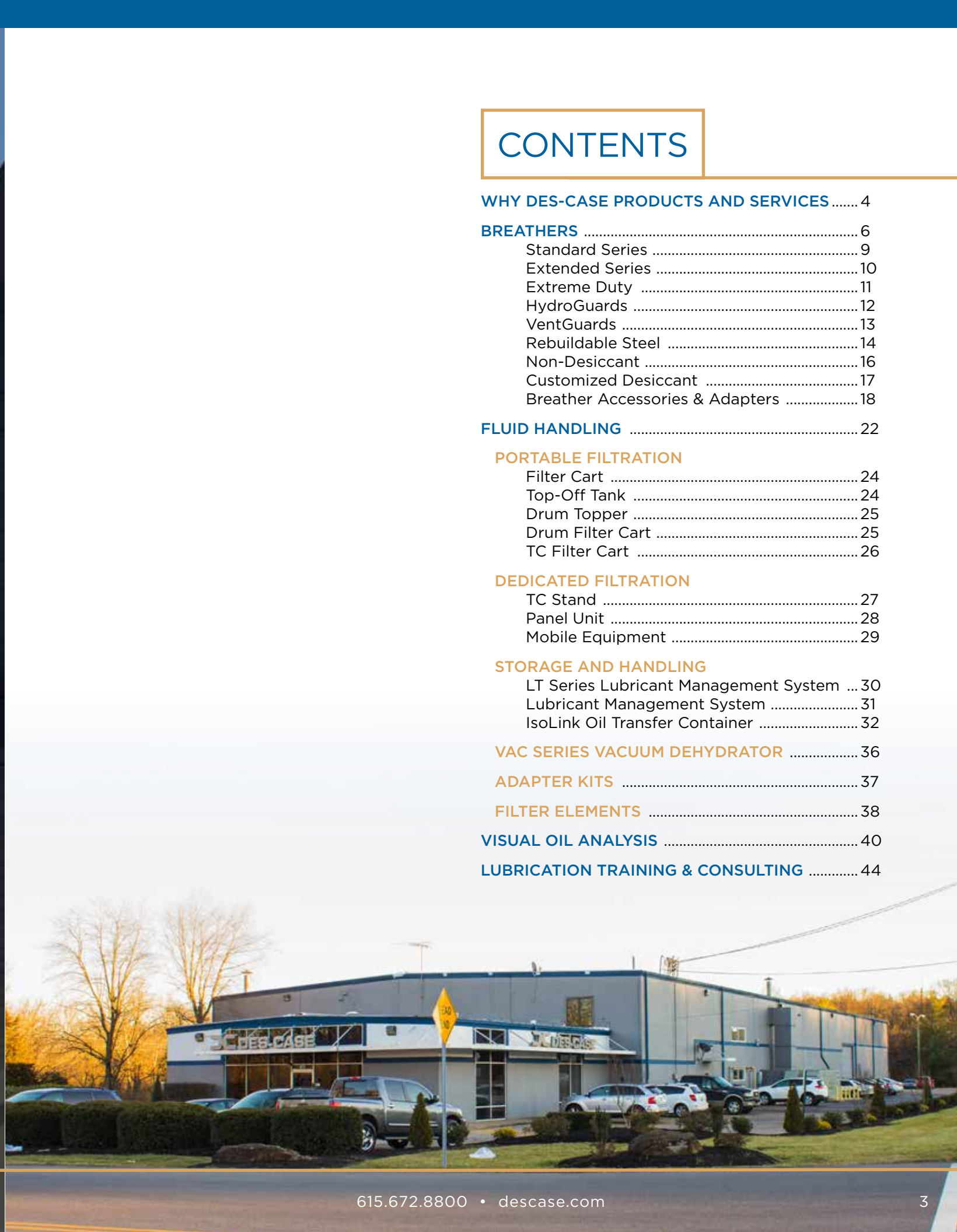






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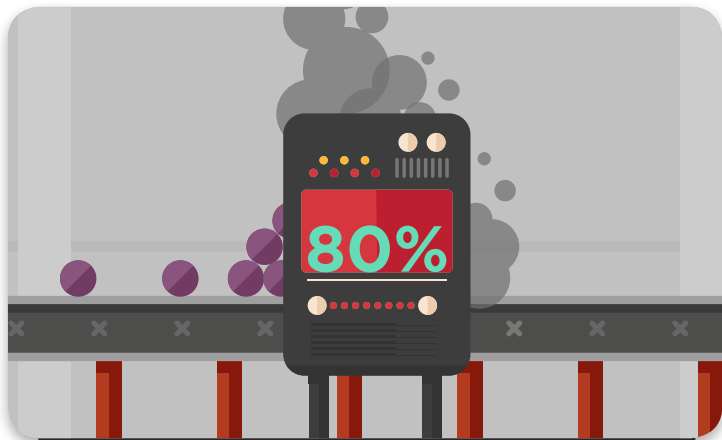




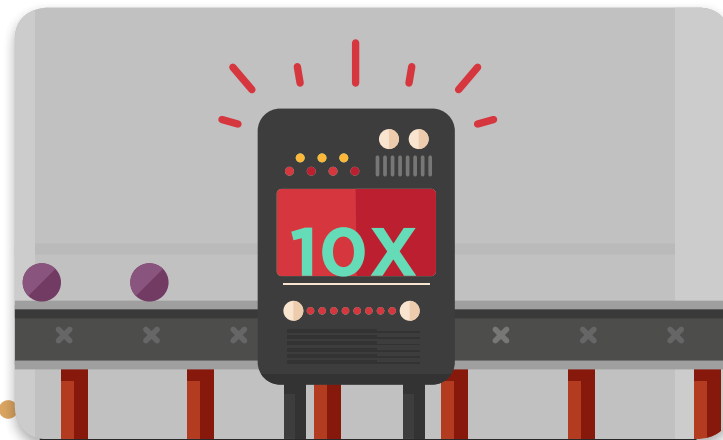
Did you know oil arrives at your facility contaminated with dirt and water...



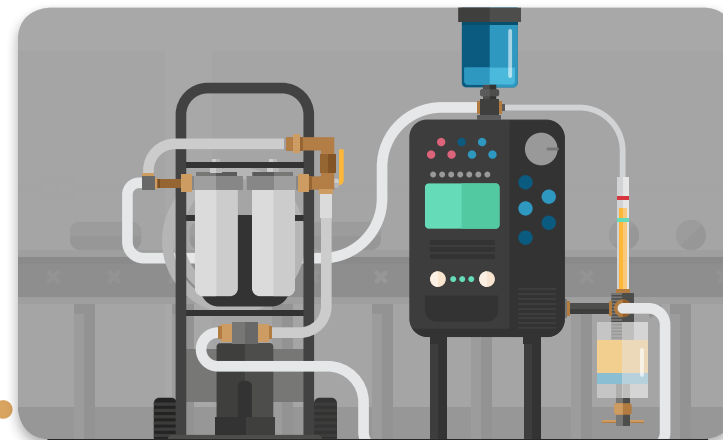
and, a particle as small as 5 microns can bring your plant to a halt?



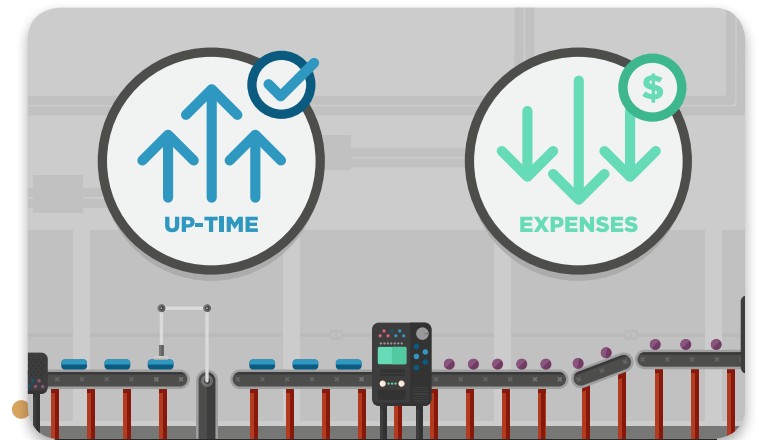
Contamination is responsible for 80% of wear that leads to mechanical failure.



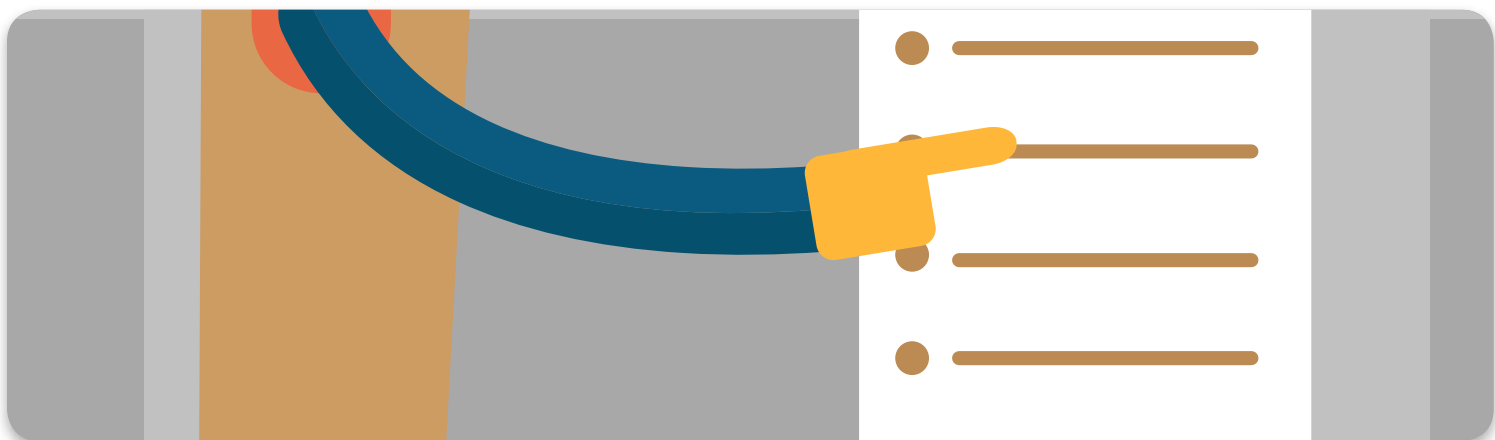
The cost of removing contamination is 10X the cost of preventing it.



So, protect and clean your lubricants at every critical point with Des-Case's wide array of products.



Giving you more uptime and less repair.



Not sure where to start? Our training and consulting team has you covered with practical, real-world advice and tools that can be implemented quickly.



Turn this page if you want to protect your most important assets . . . your oil and equipment.

The First Line of Defense Against Contamination

As your industrial equipment heats up and cools down, it expands and contracts. And in order to keep machinery from building up too much pressure, equipment OEMs include vent caps on the fill port to allow expanded air to escape.



There's only one problem. While they let air out, those simple caps don't prevent small dirt particles and moisture

from making their way into the tank, which can damage bearings, gears, and valves by slowly wearing away the critical surfaces. Even worse, moisture - over time - will condense inside your oil reservoir, introducing water to your lubricants and keeping your maintenance team busy.

With a wide range of sizes and features for almost any application and industry, Des-Case breathers simultaneously remove moisture from the headspace of equipment with silica gel and prevent even the smallest particles from entering your oil tanks with multi-layer filtration.

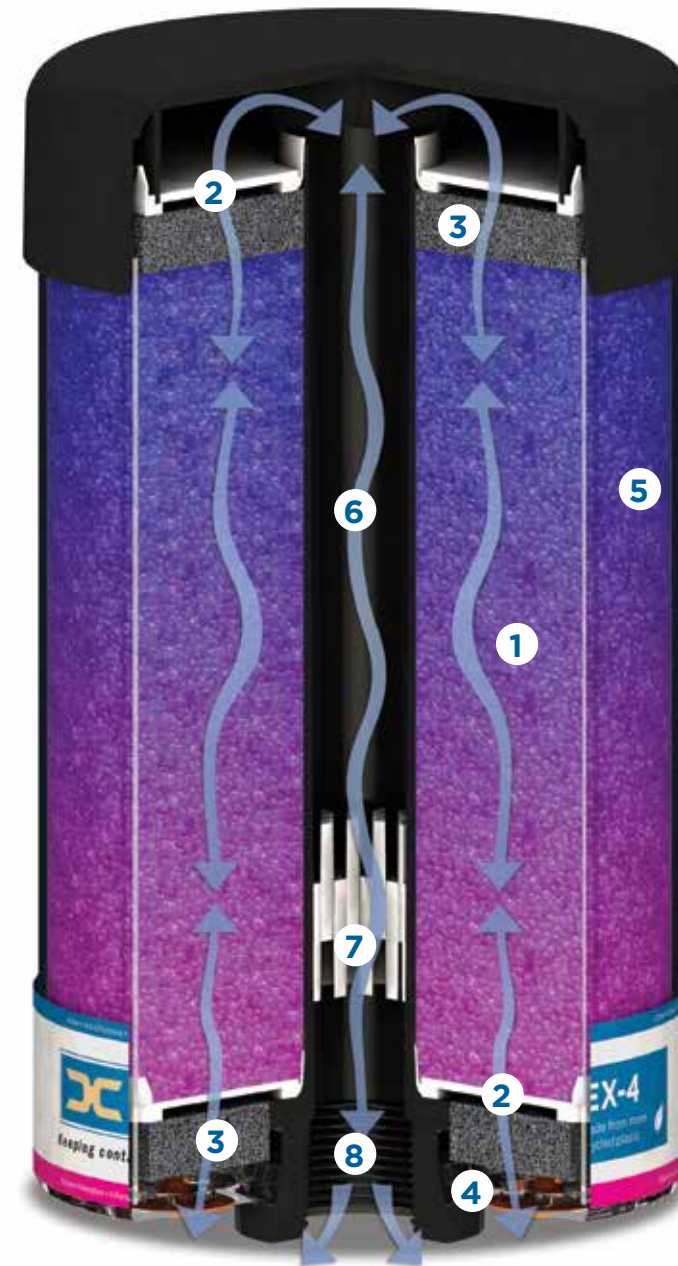


The best part is you'll see a return on investment almost immediately. With fewer breakdowns and production stoppages, you'll run more efficiently and create less waste, all while increasing the working life of your lubricants and equipment.

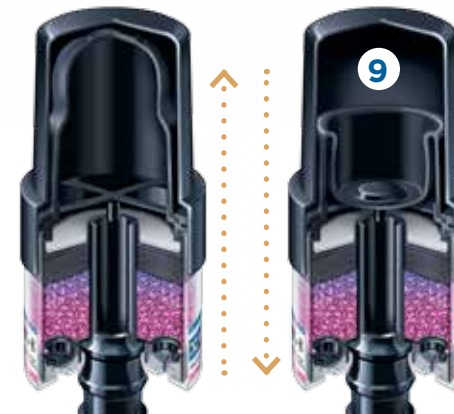
We're so confident you'll love the results you see when using our breathers that we'll even send you one to try completely free - descase.com/sample.



Explore the Desiccant Breather



- 1 WATER VAPOR ADSORBENT**
Silica gel adsorbs water from incoming air and can hold up to 40% of its weight. Condition is indicated by change of color from blue to light pink.
- 2 FILTER ELEMENTS**
Polyester filter elements at the top and bottom of the breather remove airborne contamination. Unique loops allow particles to release during system exhalation, helping increase breather life.
- 3 FOAM PADS**
Foam filters at the top and bottom of the breather capture oil mist and disperse incoming air evenly over filtration and drying areas.
- 4 CHECK-VALVES**
High-quality umbrella check-valves that won't clog or stick are located underneath the unit for added protection from wash down environments. Check-valves isolate equipment from ambient condition, prolonging breather life and protecting system integrity. Available in Extended Series, Extreme Duty, VentGuard, and HydroGuard breathers.
- 5 RUGGED HOUSING**
Shock-absorbing polycarbonate casing provides reliable service and easy maintenance on most breathers. Extreme Duty breathers are constructed from a polycarbonate/polybutylterphthalate alloy for additional strength and chemical compatibility.
- 6 INTEGRATED STANDPIPE**
The integrated nylon standpipe provides excellent vibration resistance and dissipates impact throughout the unit, eliminating weak points. It also allows even airflow distribution throughout the unit, eliminating inaccurate readings of desiccant saturation.
- 7 HONEYCOMB OIL MIST REDUCER**
The oil mist reducer is situated inside the standpipe, made from polypropylene for maximum chemical compatibility. Mimicking nature's intricate honeycomb design, this feature allows oil mist to coalesce and drain back into the reservoir, rather than compromising the desiccant. Available in Extended Series breathers.
- 8 THREADED MOUNTING**
Internal or external threaded mount allows for durability and stability and easily replaces standard breather caps with one of several adapters.
- 9 EXPANSION CHAMBER**
The expansion chamber and internal diaphragm allows for expansion and contraction of air within the casing as a result of temperature variations during steady-state operations. Available in HydroGuard breathers.



Standard Series Breathers

Standard breathers provide simple, yet dependable protection from moisture and particulate contamination in lubricants and equipment. These versatile breathers are five times more effective than the leading non-desiccant breathers, providing optimal defense against humidity for your applications.

APPLICATIONS:

- Totes
- Transformers
- Storage Drums
- Hydraulics

OPERATING ENVIRONMENTS:

- General Use
- Lubricant Storage Rooms
- Indoors
- Cold Weather Environments



We're so confident you'll love the results you see when using our breathers that we'll even send you one to try completely free!

Visit descase.com/sample to get yours!



Product Specifications	DC-BB	DC-1	DC-2	DC-3	DC-4
Unit Height	3.90 in / 99.06 mm	5.31 in / 134.9 mm	6.125 in / 155.6 mm	8.125 in / 206.4 mm	10.125 in / 257.2 mm
Unit Diameter	2.52 in / 64.1 mm	2.52 in / 64.1 mm	4 in / 101.6 mm	4 in / 101.6 mm	4 in / 101.6 mm
Connection Size	3/8" Multi-Fit (NPT, BSPP, BSPT)	3/8" Multi-Fit (NPT, BSPP, BSPT)	1" Multi-Fit (NPT, BSPP, BSPT)	1" Multi-Fit (NPT, BSPP, BSPT)	1" Multi-Fit (NPT, BSPP, BSPT)
Amount of Silica Gel	.13 lbs / 0.058 kg	.28 lbs / 0.127 kg	.66 lbs / 0.30 kg	1.22 lbs / 0.56 kg	1.88 lbs / 0.84 kg
Max. Flow Rate	4.55 @ 1 psid cfm	4.16 @ 1 psid cfm	16 @ 1 psid cfm	16 @ 1 psid cfm	16 @ 1 psid cfm
Filter Efficiency	3µ absolute (β ₃ ≥200)	3µ absolute (β ₃ ≥200)	3µ absolute (β ₃ ≥200)	3µ absolute (β ₃ ≥200)	3µ absolute (β ₃ ≥200)