

Protect your lubricants and equipment with
Des-Case specialty filtration products.

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DES-CASE EUROPEAN PRODUCT CATALOG



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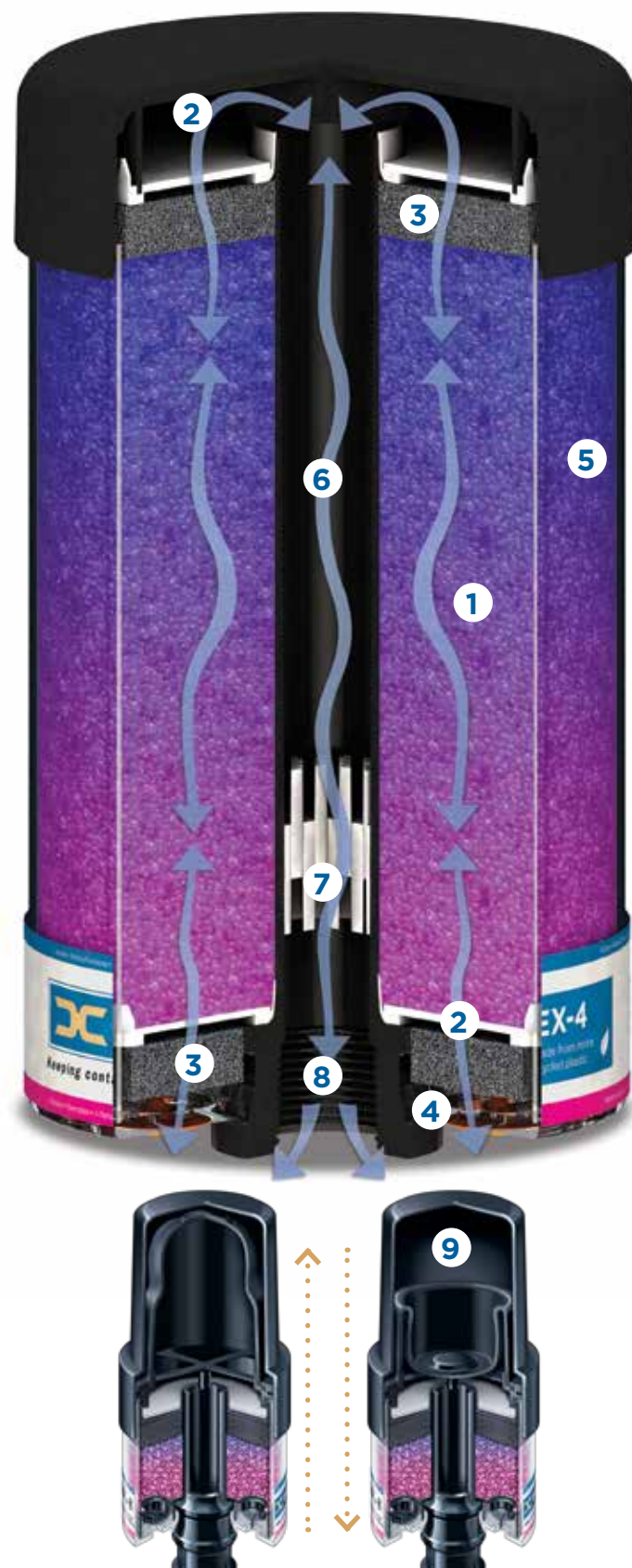
EUROPE



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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/polybutylteraphtalete 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.



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.eu/sample to get yours!

Dirt. Moisture. Keep it Out.

	Silica	Foam Pad	Efficient Filter	Integrated Standpipe	Impact Resistance	Vibration Resistance (female thread)	Caustic Chemical Resistance	Check Valves	Expansion Bladder	Disposable	Integrated Honeycomb Oil Mist Reducer
Standards 	✓	✓	✓	✓	✓					✓	
Extended Series 	✓	✓	✓	✓	✓	✓		✓		✓	✓
VentGuards 	✓	✓	✓	✓	✓			✓		✓	
HydroGuards 	✓	✓	✓	✓	✓			✓	✓	✓	
Extreme Duty 	✓	✓	✓	✓	✓	✓	✓	✓		✓	
Non-Desiccants 			✓		✓	ND-35 Only	✓			✓	
Rebuildable Steel 	✓	✓	✓	✓	✓		✓				

Standard Series Breathers

Product Specifications	DCE-BB	DCE-1	DCE-2	DCE-3	DCE-4
Unit Height (mm)	99.06	134.9	155.6	206.4	257.2
Unit Diameter (mm)	64.1	64.1	Ø1.6	101.6	Ø1.6
Connection Size	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)	1" Multi-Fit (NPT, BSPP, BSPT)
Amount of Silica Gel (kg)	0.058	0.127	0.30	0.56	0.84
Adsorption Capacity (ml)	23.3	49.7	118.2	220.3	333
Max. Flow Rate (lpm)	128.84 @ 70 mbar	117.8 @ 70 mbar	453 @ 70 mbar	454 @ 70 mbar	455 @ 70 mbar
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)

Extended Series™ Breathers

Product Specification	DCE-EX-1	DCE-EX-2	DCE-EX-3	DCE-EX-4
Unit Height (mm)	119	163	208	254
Unit Diameter (mm)	143.88	143.88	143.88	143.88
Connection Size	1" Female (FNPT)	1" Female (FNPT)	1" Female (FNPT)	1" Female (FNPT)
Amount of Silica Gel (kg)	0.54	1	1.45	1.91
Adsorption Capacity (ml)	228	417	606	798
Max. Flow Rate (lpm)	765 @ 70 mbar	736 @ 70 mbar	708 @ 70 mbar	680 @ 70 mbar
Filter Efficiency	3µ absolute (β ₃ ≥ 200)	3µ absolute (β ₃ ≥ 200)	3µ absolute (β ₃ ≥ 200)	3µ absolute (β ₃ ≥ 200)

Extended Series
check-valves and
honeycomb
oil mist reducer.



Extreme Duty Breathers

Product Specification	DCE-XD-6
Unit Height (mm)	165.4
Unit Diameter (mm)	129.5
Connection Size	1 1/2" x 16 UN female thread
Amount of Silica Gel (kg)	0.79
Adsorption Capacity (ml)	315
Max. Flow Rate (lpm)	456 @ 70 mbar
Filter Efficiency	0.3µ absolute (β _{0.3} ≥ 200)



See page 13 to 16 for breather adapters.
Full product specifications are available at descase.eu.

VentGuard™ Breathers

Product Specifications	DCE-VG-BB	DCE-VG-1	DCE-VG-2	DCE-VG-3	DCE-VG-4
Unit Height (mm)	99.06	134.9	155.6	206.4	257.2
Unit Diameter (mm)	64.01	64.01	101.6	101.6	101.6
Connection Size	3/8" Multi-Fit (NPT, BSPP, BSPT)	3/8" Multi-Fit (NPT, BSPP, BSPT)	1" Multi-Fit (NPT, BSPT, NPSM)	1" Multi-Fit (NPT, BSPT, NPSM)	1" Multi-Fit (NPT, BSPT, NPSM)
Amount of Silica Gel (kg)	0.058	0.127	0.3	0.56	0.85
Adsorption Capacity (ml)	23.3	49.7	118.2	220.3	333
Max. Flow Rate (lpm)	41.06 @ 70 mbar	41.06 @ 70 mbar	70.5 @ 70 mbar	64.5 @ 70 mbar	50.9 @ 70 mbar
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)



HydroGuard® Breathers

Product Specifications	DCE-HG-1	DCE-HG-8
Unit Height (mm)	183	247.66
Unit Diameter (mm)	64	104.1
Connection Size	3/8" Multi-Fit (NPT, BSPP, BSPT)	1" Multi-Fit (NPT, BSPP, BSPT)
Amount of Silica Gel (kg)	0.125	0.24
Adsorption Capacity (ml)	49.6	120
Max. Flow Rate (lpm)	39.93 @ 70 mbar	70.5 @ 70 mbar
Filter Efficiency	3µ absolute (β ₃ ≥ 200)	3µ absolute (β ₃ ≥ 200)



Non-Desiccant Breathers

Product Specifications	DCE-ND-2	DCE-ND-35
Unit Height (mm)	34.3	127
Unit Diameter (mm)	45.7	127
Connection Size	3/8"	1" Female (FNPT)
Max. Flow Rate (lpm)	19 @ 70 mbar	1,132 @ 70 mbar
Filter Efficiency	0.3µ absolute (β _{0.3} ≥ 200)	0.3µ absolute (β _{0.3} ≥ 200)



Rebuildable Steel Breathers



Product Specifications	DCE-RS-3	DCE-RS-5	DCE-RS-9	DCE-RS-15	DCE-RS-25
Unit Height (mm)	292	349	464	489	571
Unit Diameter (mm)	257.2	257.2	257.2	393.7	393.7
Connection Size	2"	2"	2"	3"	3"
Amount of Silica Gel (kg)	1.36	2.27	4.08	6.8	11.34
Max. Flow Rate (lpm)	2,407 @ 70 mbar	2,407 @ 70 mbar	2,265 @ 70 mbar	5,805 @ 70 mbar	3,964 @ 70 mbar
Filter Efficiency	1µ absolute (β ₁ ≥ 1000)	1µ absolute (β ₁ ≥ 1000)	1µ absolute (β ₁ ≥ 1000)	1µ absolute (β ₁ ≥ 1000)	1µ absolute (β ₁ ≥ 1000)

Product Specifications	DCE-RS-50	DCE-RS-75	DCE-RS-100	DCE-RS-150	DCE-RS-200
Unit Height (mm)	794	1010	787	933	1086
Unit Diameter (mm)	393.7	393.7	596.9	596.9	596.9
Connection Size	3"	3"	4"	4"	4"
Amount of Silica Gel (kg)	22.68	34.02	45.36	68.04	90.72
Max. Flow Rate (lpm)	3,256 @ 70 mbar	2,265 @ 70 mbar	7,645 @ 70 mbar	7,079 @ 70 mbar	6,796 @ 70 mbar
Filter Efficiency	1µ absolute (β ₁ ≥ 1000)	1µ absolute (β ₁ ≥ 1000)	1µ absolute (β ₁ ≥ 1000)	1µ absolute (β ₁ ≥ 1000)	1µ absolute (β ₁ ≥ 1000)

REBUILDABLE STEEL BREATHER KITS (DCE-RS-X-RK):

- Note: Substitute the appropriate RS model number for the "X" in the rebuild kit part number. (Ex. DCE-RS-3-RK)*
- Rebuild kits are available in a variety of materials to meet chemical compatibility needs.
 - Desiccant bags above an RS-25 are packaged in 25 lb increments for easy handling.
 - Des-Case recommends use of a pressure/relief valve on any tank or storage system.



Customised Desiccant Breathers



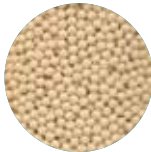
CUSTOMISED DESICCANT OPTIONS INCLUDE:



ORANGE SILICA GEL
Silica gel is the most efficient and economic moisture adsorbent for general applications. Des-Case offers two types of indicating silica gel, blue-to-pink or orange-to-white. The difference between the two is the chemical used to indicate the color-change. Blue-to-pink uses cobalt chloride and orange-to-white uses ferric ammonium sulfate.



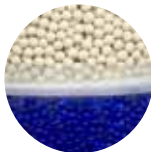
ACTIVATED CARBON
Activated carbon is an ideal adsorbent in applications requiring fume mitigation or air purification.



MOLECULAR SIEVE
Molecular sieve has high efficiency at low levels of humidity. It is best for drying highly polar alcohols, unsaturated hydrocarbons, and static dehydration of gas.



ACTIVATED ALUMINA
Activated alumina is most effective in removing organic acids, especially those that are larger in size.




LAYERED (BLUE SILICA GEL & MOLECULAR SIEVE)
Mixing medias such as silica gel and molecular sieve are ideal for customers needing to adsorb both moisture and fumes simultaneously.

Breather Accessories & Adapters

Des-Case’s breather accessory and adapter products offer optimum solutions for various equipment connection needs. Choose from a variety of materials, connection port size and thread requirements in order to properly outfit your equipment application.

ADAPTERS & ACCESSORIES:



 DCE-13-T	Description	PVC Female to Female Threaded Adapter
	Breather Threaded Mount Size	1" female NPT
	Equipment Connection Port/Size	1" Male NPT
	Breathers	Standard Disposable (DCE-2, DCE-3, DCE-4), VentGuard (DCE-VG-2, DCE-VG-3, DCE-VG-4), HydroGuard (DCE-HG-8)




<div>DCE-15-T</div> <div></div>	Description	Aluminum Bayonet Adapter
	Breather Threaded Mount Size	1" Female NPT
	Equipment Connection Port/Size	1½" Bayonet Style
	Breathers	Standard Disposable (DCE- 2, DCE-3, DCE-4), VentGuard (DCE- VG-2, DCE-VG-3, DCE-VG-4), HydroGuard (DCE-HG-8)



DCE-17-T


Description	PVC Female to Male Threaded Adapter
Breather Threaded Mount Size	1" female NPT
Equipment Connection Port/Size	3/4" Female NPT
Breathers	Standard Disposable (DCE-2, DCE-3, DCE-4), VentGuard (DCE-VG-2, DCE-VG-3, DCE-VG-4), HydroGuard (DCE-HG-8)



<div>DCE-35</div> 	Description	PVC Female to Male Threaded Adapter
	Breather Threaded Mount Size	3/8" Female NPT
	Equipment Connection Port/Size	3/4" Female NPT
	Breathers	Standard Disposable (DCE-BB, DCE-1), VentGuard (DCE-VG-BB, DCE-VG-1), HydroGuard (DCE-HG-1)




DCE-36



Description	PVC Female to Male Threaded Adapter
Breather Threaded Mount Size	3/8" Female NPT
Equipment Connection Port/Size	1" Male NPT
Breathers	Standard Disposable (DCE-BB, DCE-1), VentGuard (DCE-VG-BB, DCE-VG-1), HydroGuard (DCE-HG-1)




DCE-37



Description	PVC Female to Male Threaded Adapter
Breather Threaded Mount Size	3/8" Female NPT
Equipment Connection Port/Size	1/2" Female NPT
Breathers	Standard Disposable (DCE-BB, DCE-1), VentGuard (DCE-VG-BB, DCE-VG-1), HydroGuard (DCE-HG-1)




DCE-SDVA-12M




Description	Steel Vent Valve Adapter
Breather Threaded Mount Size	1" Female NPT
Equipment Connection Port/Size	3/4" Female NPT
Breathers	Standard Disposable (DCE-2, DCE-3, DCE-4), VentGuard (DCE-VG-2, DCE-VG-3, DCE-VG-4)




<div>DCE-SDVA-16M</div> <div></div>	Description	Steel Vent Valve Adapter
	Breather Threaded Mount Size	1" Female NPT
	Equipment Connection Port/Size	1" Female NPT
	Breathers	(DCE-2, DCE-3, DCE-4), VentGuard (DCE-VG-2, DCE-VG-3, DCE-VG-4)

EXTENDED SERIES BREATHER ADAPTERS:




<div>DCE-EXVA-12M</div> <div></div>	Description	Steel Vent Valve Adapter
	Breather Threaded Mount Size	1" Male NPT
	Equipment Connection Port/Size	3/4" Female NPT
	Breathers	Extended Series (DCE-EX-1, DCE-EX-2, DCE-EX-3, DCE-EX-4)




<div>DCE-EXVA-16M</div> <div></div>	Description	Steel Vent Valve Adapter
	Breather Threaded Mount Size	1" Male NPT
	Equipment Connection Port/Size	1" Female NPT
	Breathers	Extended Series (DCE-EX-1, DCE-EX-2, DCE-EX-3, DCE-EX-4)




<div>DCE-EXA-10</div> 	Description	Steel Threaded Adapter
	Breather Threaded Mount Size	1" Male NPT
	Equipment Connection Port/Size	1" Female NPT
	Breathers	Extended Series (DCE-EX-1, DCE-EX-2, DCE-EX-3, DCE-EX-4)



<div>DCE-EXA-17</div> <div></div>	Description	Steel Threaded Adapter
	Breather Threaded Mount Size	1" Male NPT
	Equipment Connection Port/Size	3/4" Female NPT
	Breathers	Extended Series (DCE-EX-1, DCE-EX-2, DCE-EX-3, DCE-EX-4)



DCE-12-T-EX




Description	Steel Threaded Flange Adapter
Breather Threaded Mount Size	1" Female NPT
Equipment Connection Port/Size	6 Bolt Circular Mounting (Ø 3.5")
Breathers	Extended Series (DCE-EX-1, DCE-EX-2, DCE-EX-3, DCE-EX-4)

EXTREME DUTY BREATHER ADAPTERS:




DCE-XDVA-12M




Description	Steel Vent Valve Adapter
Breather Threaded Mount Size	1½"-16 UN Male
Equipment Connection Port/Size	¾" Female NPT
Breathers	Extreme Duty Breather (DCE-XD-6)




<div>DCE-XDVA-16M</div> <div></div>	Description	Steel Vent Valve Adapter
	Breather Threaded Mount Size	1½"-16 UN Male
	Equipment Connection Port/Size	1" Female NPT
	Breathers	Extreme Duty Breather (DCE-XD-6)



<div>DCE-DSA-17</div> <div></div>	Description	Steel Threaded Adapter
	Breather Threaded Mount Size	1½"-16 UN Male
	Equipment Connection Port/Size	¾" Female NPT
	Breathers	Extreme Duty Breather (DCE-XD-6)



DCE-DSA-10



Description	Steel Threaded Adapter
Breather Threaded Mount Size	1½"-16 UN Male
Equipment Connection Port/Size	1" Female NPT
Breathers	Extreme Duty Breather (DCE-XD-6)

Breather Accessories & Adapters

VAPORGUARD ADAPTERS:

DCE-OVG-6200



Description	Single Length Oil Mist Adapter
Breather Threaded Mount Size	3/8", 3/4" or 1" Female NPT
Equipment Connection Port/Size	3/8", 1/2", 3/4", 1", 1 1/4" Female NPT
Breathers	All DCE breathers

DCE-OVG-6220



Description	Double Length Oil Mist Adapter
Breather Threaded Mount Size	3/8", 3/4" or 1" Female NPT
Equipment Connection Port/Size	3/8", 1/2", 3/4", 1", 1 1/4" Female NPT
Breathers	All DCE breathers

BREATHER MANIFOLD ADAPTERS:

DCE-ME-2-T



DCE-ME-3-T



DCE-ME-4-T



Description	PVC Breather Manifold Adapters
Breather Threaded Mount Size	1" Female NPT with 2, 3, or 4 Connections
Equipment Connection Port/Size	2" Female NPT
Breathers	Standard Disposable (DCE-2, DCE-3, DCE-4), VentGuard (DCE-VG-2, DCE-VG-3, DCE-VG-4), HydroGuard (DCE-HG-8)

VACUUM INDICATOR ADAPTERS:

DCE-13-T-VI



Description	Single Position Vacuum Indicator Adapter
Breather Threaded Mount Size	1" Female NPT
Equipment Connection Port/Size	1" Male NPT
Breathers	Standard Disposable (DCE-2, DCE-3, DCE-4), VentGuard (DCE-VG-2, DCE-VG-3, DCE-VG-4), HydroGuard (DCE-HG-8)

DCE-SB-VI



Description	Single Position Vacuum Indicator Adapter
Breather Threaded Mount Size	1" Male NPT
Equipment Connection Port/Size	1" Female NPT
Breathers	Non-Desiccant Breather (DCE-ND-35)

DCE-OCM5-VI



Description	5" Oil Coalescing Adapter with Single Position Vacuum Indicator
Breather Threaded Mount Size	1" Female NPT
Equipment Connection Port/Size	1" Male NPT
Breathers	Standard Disposable (DCEE-2, DCE-3, DCE-4), VentGuard (DCE-VG-2, DCE-VG-3, DCE-VG-4), HydroGuard (DCE-HG-8)

REBUILDABLE STEEL ADAPTERS:

DCE-13-6C



Breather Threaded Mount Size	Steel 2" Female NPT adapter
Equipment Connection Port/Size	4 Bolt Circular Mounting (Ø 6.0")
Breathers	Rebuildable Steel Breathers (DCE-RS-3, DCE-RS-5, DCE-RS-9)

DCE-13-10C



Breather Threaded Mount Size	Steel 3" Female NPT adapter
Equipment Connection Port/Size	4 Bolt Circular Mounting (Ø 7.5")
Breathers	Rebuildable Steel Breathers (DCE-RS-15, DCE-RS-25, DCE-RS-50, DCE-RS-75)

Rebuildable steel breather adapters are also available in stainless steel. Call for quote and availability.

Contact Des-Case at 615.672.8800 or at sales@descase.com to receive a full list of adapters.

Filter Cart



Filter carts offer portable, offline filtration and are ideal for use on small to medium-sized reservoirs with low flow rates. They are fully customizable with options for flow rate, connections, filters, and more.

APPLICATIONS:

- Decontaminating systems
- Flushing new or repaired systems
- Dispensing new oil
- Pre-filtering new oil
- Evacuating used oil
- Reservoir top-offs
- Flushing systems
- Collecting oil samples for analysis

FEATURES:

- Automatic pressure relief valve
- Non-bypass filter heads which prevent particles from passing by when the filters reach maximum saturation
- Dual-stage filtration with multiple micron ratings available
- 12' hose assemblies with various quick connect options
- Various flow rates and power supply options available
- Optional manual filter bypass
- Various sample valve options
- Optional Y-strainer
- Pneumatic wheels for easy mobility
- Industrial powder-coated paint available in six colors
- Heavy-duty cart with oil catch pan



Panel Unit



Panel units are ideal for mineral-based industrial fluids in small to medium-sized reservoirs with low flow rates. The panel unit can be mounted where you need it most for applications that need regular filtration, or a maintenance location where you bring equipment to be filtered.

APPLICATIONS:

- Decontaminating systems
- Cooling systems
- Collecting oil samples for analysis

FEATURES:

- Automatic pressure relief valve
- Non-bypass filter heads which prevent particles from passing by when the filters reach maximum saturation
- Dual-stage filtration with multiple micron ratings available
- Various flow rates and power supply options available
- Optional manual filter bypass
- Various sample valve options
- Optional oil cooler and temperature gauge
- Industrial powder-coated paint available in six colors
- Durable frame with drip pan for direct mounting



Drum Topper



Compact, portable, and customised for your application, the handheld drum topper is an option you can carry wherever you need to go or affix securely atop an oil drum.

APPLICATIONS:

- Decontaminating systems
- Flushing new or repaired systems
- Dispensing new oil
- Pre-filtering new oil
- Evacuating used oil
- Topping off reservoirs
- Collecting oil samples for analysis

FEATURES:

- Automatic pressure relief valve
- Non-bypass filter heads which prevent particles from passing by when the filters reach maximum saturation
- Dual-stage filtration with multiple micron ratings available
- 6' hose assemblies with various quick connect options
- Various flow rates and power supply options available
- Optional manual filter bypass
- Various sample valve options
- Industrial powder-coated paint available in six colors



LT-Series Lubricant Management System (LT-LMS)



Simple, stackable, and easy storage meets solid contamination control practices in a unique design with the LT-LMS. Dedicated filtration per container ensures no cross-contamination of fluids, while desiccant breathers prevent dirt and water ingress.

APPLICATIONS:

- Storing lubricants
- Dispensing new oil
- Pre-filtering new oil
- Collecting oil samples for analysis

FEATURES:

- High-density polyethylene (HDPE) or steel tank options in various sizes
- Dedicated pump, motor, filter and desiccant breather per tank
- Heavy-duty stand that can withstand tank stacking
- Manual gravity drain
- Automatic pressure relief valve
- 12' hose assemblies with various quick connect options
- Various flow rates and power supply options available
- Various sample valve options

Adapter Kits

Lubricated equipment doesn't come standard with the connections needed to apply desiccant breathers and filtration systems. Make that connection easier with one of the available adapter kit products.

STANDARD FEATURES:

- Disposable breathers
- Sample ports
- Quick connect plugs
- Customizable colors
- Single-position vacuum indicator (Hydraulic and Gearbox Adapter Kits)



DES-CASE QUICK TIP

For best practices contamination control, always transfer or fill without exposing oil to the environment.

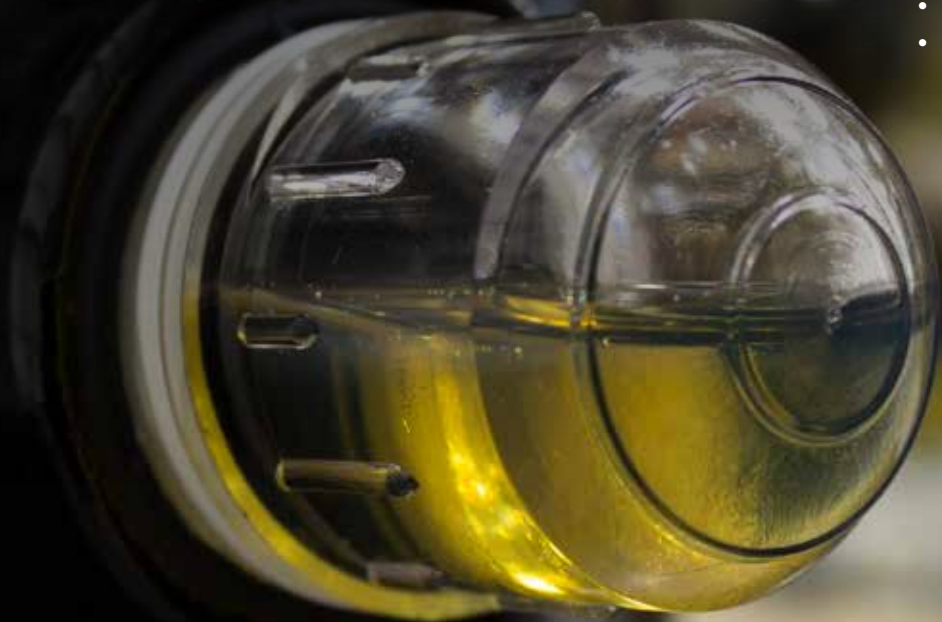


A 360° view of the condition of your oil

Visual oil analysis products allow you to observe the health and level of your lubricants with a clear view of oil clarity and color, sediment, and water contamination in the oil.

APPLICATIONS:



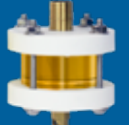


- Pumps
- Gearboxes
- Storage Tanks
- Any lubricated equipment with a drain port or viewport



3-D BULLSEYE® VS. DIRTY OEM VIEWPORTS



Monitor the health and level of your lubricants with Des-Case Visual Oil Analysis products.

	360° View	Installs on Drain Port	Collect & Drain Water (Optional Magnet Drain Valve Available)	Stainless Steel Fittings Available	Monitor Oil Level	View Clarity and Color	Additional Benefits
3-D BullsEye® 	✓				✓	✓	• See foaming in oil
Oil Sight Glass 	✓	✓	✓	✓		✓	• Various volumes available • Can be installed horizontally for applications with limited space
High Temperature Oil Sight Glass 	✓	✓	✓	✓		✓	• Supports high temp applications up to 450°F • Various volumes available
Oil Level Indicator 	✓	✓			✓	✓	• Filtered or close-looped installation • Optional ND-2 breather
Oil Sight Glass Level Monitor 	✓	✓	✓	✓	✓	✓	• Dual port available for sampling oil • Filtered or close-looped installation



Effective oil analysis can aid in monitoring fluid properties, contamination, and wear detection when paired with a desiccant breather and filtration.

A 360° view of the condition of your oil

3-D BullsEye®

The 3-D BullsEye, made of a high performance transparent polyamide, allows immediate and accurate visual oil level monitoring from virtually any angle. Engineered to outperform and outlast traditional viewports, the inherently strong material provides excellent impact, chemical and UV resistance. Available in a range of NPT, Metric and BSPP sizes.

KEY BENEFITS:

- Lasts longer than traditional viewports
- Easy to install and maintain
- UV resistant



3-D BULLSEYE®			
3-D BullsEye 1/4" NPT	DCE-3DB0250	3-D BullsEye Metric 10X1.0	DCE-3DBM10X1.0
3-D BullsEye 3/8" NPT	DCE-3DB0375	3-D BullsEye Metric 10X1.5	DCE-3DBM10X1.5
3-D BullsEye 1/2" NPT	DCE-3DB0500	3-D BullsEye Metric 12X1.5	DCE-3DBM12X1.5
3-D BullsEye 3/4" NPT	DCE-3DB0750	3-D BullsEye Metric 16X1.5	DCE-3DBM16x1.5
3-D BullsEye 1" NPT	DCE-3DB1000	3-D BullsEye Metric 20X1.5	DCE-3DBM20X1.5
3-D BullsEye 1-1/4" NPT	DCE-3DB1250	3-D BullsEye Metric 22X1.5	DCE-3DBM22X1.5
3-D BullsEye 1-1/2" NPT	DCE-3DB1500	3-D BullsEye Metric 24X1.5	DCE-3DBM24X1.5
3-D BullsEye 2" NPT	DCE-3DB2000	3-D BullsEye Metric 26X1.5	DCE-3DBM26X1.5
3-D BullsEye 1/2" BSPP	DCE-3DBBSPP0500	3-D BullsEye Metric 27X1.5	DCE-3DBM27X1.5
3-D BullsEye 3/4" BSPP	DCE-3DBBSPP0750	3-D BullsEye Metric 30X1.5	DCE-3DBM30X1.5
3-D BullsEye 1" BSPP	DCE-3DBBSPP1000	3-D BullsEye Metric 30X2.0	DCE-3DBM30X2.0
		3-D BullsEye Metric 33X1.5	DCE-3DBM33X1.5

Oil Level Indicator

The oil level indicator was developed to gauge the oil level inside large tanks, gearboxes and reservoirs. A clear acrylic column with level marker stickers, designate running and idle oil levels. Available in a range of heights from 3" to 30".

KEY BENEFITS:

- Closed-loop or filtered installation
- Multiple lengths available
- Shown with optional NDE-2 breather



OIL LEVEL INDICATORS (OLI)			
3" OLI, 7/8" OD, 1/2" Male NPT on each end	DCE-OLI3	18" OLI, 7/8" OD, 1/2" Male NPT on each end	DCE-OLI18
6" OLI, 7/8" OD, 1/2" Male NPT on each end	DCE-OLI6	21" OLI, 7/8" OD, 1/2" Male NPT on each end	DCE-OLI21
9" OLI, 7/8" OD, 1/2" Male NPT on each end	DCE-OLI9	24" OLI, 7/8" OD, 1/2" Male NPT on each end	DCE-OLI24
12" OLI, 7/8" OD, 1/2" Male NPT on each end	DCE-OLI12	27" OLI, 7/8" OD, 1/2" Male NPT on each end	DCE-OLI27
15" OLI, 7/8" OD, 1/2" Male NPT on each end	DCE-OLI15	30" OLI, 7/8" OD, 1/2" Male NPT on each end	DCE-OLI30

Oil Sight Glass

The oil sight glass allows an immediate visual inspection of oil and the ability to drain any accumulated water with a spring loaded drain valve. Versatile polyamide design can be installed vertically or horizontally and is available in 1 or 3 ounces with multiple connections sizes. Additional options include large-volume acrylic in 16 or 32 ounces and a high-temp version.

KEY BENEFITS:

- Easily collect and drain water
- Durable and stain resistant
- Designs available for space limitations



OIL SIGHT GLASSES			
Oil Sight Glass 1 oz X 1/4" NPT	DCE-OSG1X250	Oil Sight Glass 1 oz X 1/4" NPT High Temp.	DCE-OSG1X250HT
Oil Sight Glass 1 oz X 3/8" NPT	DCE-OSG1X375	Oil Sight Glass 1 oz X 3/8" NPT High Temp.	DCE-OSG1X375HT
Oil Sight Glass 1 oz X 1/2" NPT	DCE-OSG1X500	Oil Sight Glass 1 oz X 1/2" NPT High Temp.	DCE-OSG1X500HT
Oil Sight Glass 3 oz X 1/4" NPT	DCE-OSG3X250	Oil Sight Glass 3 oz X 1/4" NPT High Temp.	DCE-OSG3X250HT
Oil Sight Glass 3 oz X 3/8" NPT	DCE-OSG3X375	Oil Sight Glass 3 oz X 3/8" NPT High Temp.	DCE-OSG3X375HT
Oil Sight Glass 3 oz X 1/2" NPT	DCE-OSG3X500	Oil Sight Glass 3 oz X 1/2" NPT High Temp.	DCE-OSG3X500HT
Oil Sight Glass 16 oz X 1/2" NPT	DCE-OSG16X500		
Oil Sight Glass 32 oz X 1/2" NPT	DCE-OSG32X500		

Oil Sight Glass Level Monitor

View oil color, clarity, and water accumulation or other contaminants while monitoring the level of oil in the reservoir with the oil sight glass level monitor. A dual port version is available with a second 3/8" NPT port opposite the installation nipple to allow the installation of a sampling tube to draw representative oil samples without pulling outside contaminants. Available in a range of heights from 3" to 24".

KEY BENEFITS:

- Detects accumulation of water and contaminants
- Easily attaches to drain ports



OIL SIGHT GLASS LEVEL MONITORS			
Oil Sight Glass & Level Monitor, 3"	DCE-OSGL3	Oil Sight Glass & Level Monitor, 12" Dual Port	DCE-OSGL12DP
Oil Sight Glass & Level Monitor, 3" Dual Port	DCE-OSGL3DP	Oil Sight Glass & Level Monitor, 15"	DCE-OSGL15
Oil Sight Glass & Level Monitor, 6"	DCE-OSGL6	Oil Sight Glass & Level Monitor, 15" Dual Port	DCE-OSGL15DP
Oil Sight Glass & Level Monitor, 6" Dual Port	DCE-OSGL6DP	Oil Sight Glass & Level Monitor, 18"	DCE-OSGL18
Oil Sight Glass & Level Monitor, 9"	DCE-OSGL9	Oil Sight Glass & Level Monitor, 18" Dual Port	DCE-OSGL18DP
Oil Sight Glass & Level Monitor, 9" Dual Port	DCE-OSGL9DP	Oil Sight Glass & Level Monitor, 24"	DCE-OSGL24
Oil Sight Glass & Level Monitor, 12"	DCE-OSGL12	Oil Sight Glass & Level Monitor, 24" Dual Port	DCE-OSGL24DP