

The ACM / ACL Series is suitable for mobile and industrial applications because of its lightweight, rugged body. This series is fully serviceable and offers a high dirt holding capacity.



ORDERING CODES:

| BOX 1 | | BOX 2 | | BOX 3 | |
|----------------|-------------|----------------------|-------------|----------------------|----------------------|
| Series [Box 1] | | Drying Agent [Box 2] | | Check Valves [Box 3] | |
| Code | Description | Code | Description | Code | Description |
| ACM61 | 100 cc | R | ZR Gel | V | With Check Valves |
| ACL93 | 300 cc | | | - | Without Check Valves |
| ACL96 | 600 cc | | | | |

(ACM61R includes check valves)

MATERIALS & COMPONENTS:

- Filter Media:** Glass Fiber
- Hydrophilic Media:** ZR Gel
- All Other Components:** Copolyester, Buna-N, Stainless steel

CHEMICAL COMPATIBILITY:

Compatible with all mineral oils, most synthetic oils and diesel fuels (Contact Des-Case technical support for chemical compatibility inquiries)

PERFORMANCE SPECIFICATIONS:

| Product Code | 61 Series | 93 Series | 96 Series |
|--|---------------------------------------|----------------------|----------------------|
| Temperature Range | -40°F to 194°F (-40°C to 90°C) | | |
| Filter Efficiency | 3 μm absolute (β ₃ ≥ 200) | | |
| Adsorption Material | ZR Gel 3-6 mm | | |
| ZR Gel Volume | 100 cc | 300 cc | 600 cc |
| Amount of Desiccant | .2 lbs (80 g) | .5 lbs (230 g) | 1 lbs (460 g) |
| Water Adsorption Capacity (Maximum Water Retention) | 0.9 fl. oz (29 ml) | 2.8 fl. oz (86 ml) | 5.5 fl. oz (172 ml) |
| Color Indication | Red to Yellow | | |
| Check Valve Cracking Pressure (For order codes ending in “V”) | .15 psi (.01 bar) | | |
| ²Application Sizing Recommendations | | | |
| Max. Airflow at ΔP 1 psi [.07 bar] without Check Valves | N/A | 24.7 cfm (700 l/min) | 24.7 cfm (700 l/min) |
| Max. Airflow at ΔP 1 psi [.07 bar] with Check Valves | 1.8 cfm (50 l/min) | 10.6 cfm (300 l/min) | 10.6 cfm (300 l/min) |

¹NOTE: Small variations in the manufacturing process can be common and will be within the allowable engineering tolerances.

²NOTE: This is intended as a general guideline for sizing only; other considerations, such as: humidity level, frequency of air flow, ambient temperatures, and chemical compatibility are very important in sizing a breather properly. Larger applications and special circumstances typically require the most thorough analysis. Please contact Des-Case for assistance in sizing a breather.

Typical Applications:

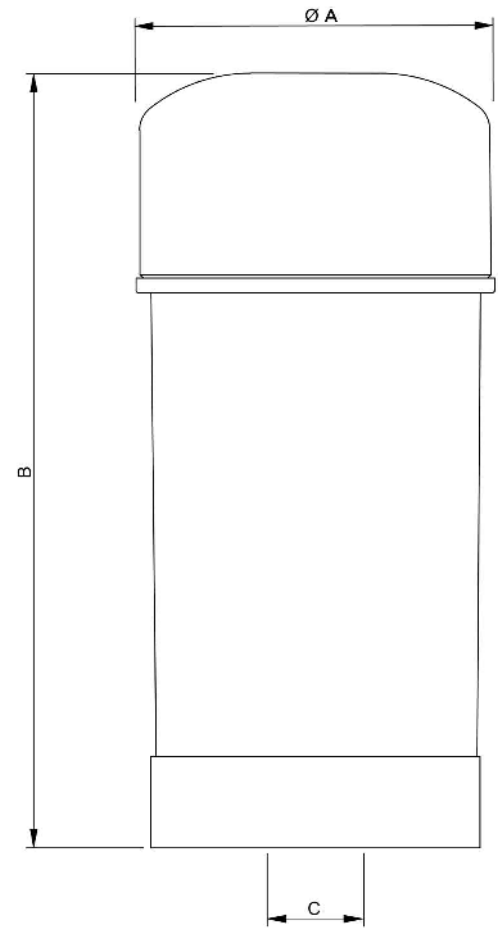
- Mobile & off-road equipment
- Hydraulics
- Nautical applications
- Truck differentials

Typical Industries:

- Wind Energy
- Storage
- Pulp & Paper
- Mining
- Aviation
- Manufacturing
- Petrochemical

DIMENSIONS:

| | A | B |
|-----------------|-----------------|-----------|
| Series | Inch / mm | Inch / mm |
| 61 | 2.8 / 71 | 5.4 / 137 |
| 93 | 3.9 / 98 | 6 / 152 |
| 96 | 3.9 / 98 | 8.3 / 211 |
| Thread Size (C) | | |
| ACM 61 | 3/8" BSP female | |
| ACL 93 & 96 | 3/4" BSP female | |



SPARE PARTS:

| Product Spare Parts | ACM61 | ACL93 | ACL96 |
|---------------------|---------------------------|---------------------------|---------------------------|
| KL Spin-On | KL60 (9237734) | KL90 (9331034) | |
| ZR Gel Refill | 100 cc / RF-100 (9253184) | 300 cc / RF-300 (9331156) | 600 cc / RF-600 (9331155) |
| Spare Kit* | RK-61 (9253193) | RK-93 (9318115) | RK-96 (9318116) |

*The spare kit contains 1x KL Spin-On, 1x ZR Gel refill, 2x foam filters, 1x bottom seal stickers, 1x adapter plug.