

## TDB Series Breathers

The TDB series operates by the same efficient process as other Des-Case breathers. The difference is the serviceability of the breather and its high dirt holding capacity.



## Ordering Codes

TDB		Box 1	Box 2	Box 3	
Series [Box 1]		Drying Agent [Box 2]		Connection [Box 3]	
Code	Description	Code	Description	93&96 Series Connections	
93	300 cc	R	ZR Gel without check valves	Code	Description
96	600 cc	RV	ZR Gel with check valves	1B	1" BSPP male
121	1000 cc			1N	1" NPT male
				114B	1 1/4" BSPP male
				DIN6	DIN 24557/2 6-hole pattern
				121 Series Connections	
				Code	Description
				1B	1" BSPP male
				1N	1" NPT male
				114B	1 1/4" BSPP male
				DIN6	DIN 24557/2 6-hole pattern

## Breather Specifications

### MATERIALS & COMPONENTS:

- Filter Media: Glass fiber
- Hydrophilic Agent: ZR-gel
- All Other Materials: Copolyester, Buna-N, Steel

### CHEMICAL COMPATIBILITY:

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

### PERFORMANCE SPECIFICATIONS:

Product Specifications	93 Series	96 Series	121 Series
Airflow without Check Valves	24.7 cfm / 700 l/min	24.7 cfm / 700 l/min	53.0 cfm / 1.500 l/min
Airflow with Check Valves	10.6 cfm / 300 l/min	10.6 cfm / 300 l/min	14.1 cfm / 400 l/min
Adsorption Material	Non-toxic & Non-carcinogenic ZR gel 3-6 mm		
ZR Gel Volume	300 cc	600 cc	1.000 cc
Filter Efficiency	3 µm absolute (β <sub>s</sub> ≥ 200)		
Temperature Range	-40°F to 194°F / -40°C to 90°C		
Water Adsorption Capacity (Maximum Water Retention)	2.8 fl. oz / 86 gram	5.5 fl. oz / 172 gram	9.3 fl. oz / 288 gram

### Advantages:

- Reduces cost of ownership
- Reduces oxidation of the oil and bearing surfaces
- Prolongs the life of the equipment and oil (additive package)
- Minimizes equipment downtime

### Typical Industries:

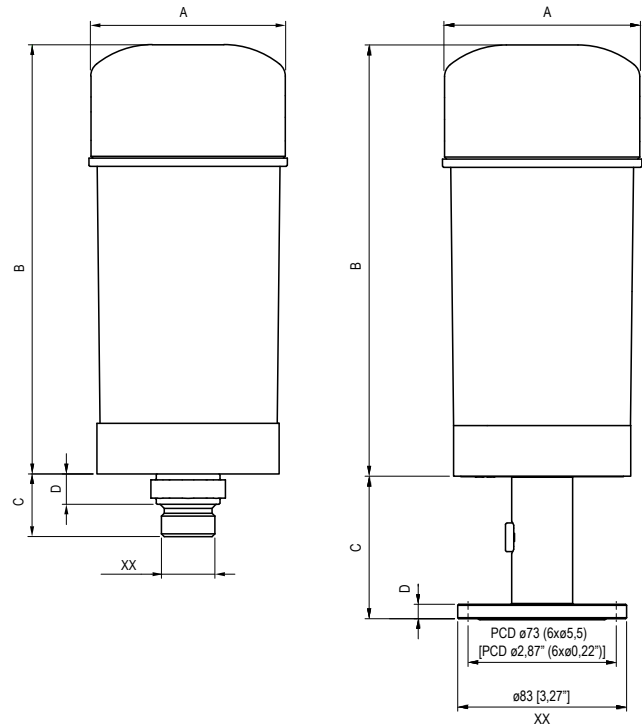
- Wind Energy
- Storage
- Pulp & Paper
- Mining
- Aviation
- Manufacturing
- Petrochemical

## DIMENSIONS:

Dimension 93 Series in inch [mm]				
XX	A	B	C	D
3/4 " BSPP	3.9 [98]	6.0 [152]	1.3 [33]	0.6 [15]
1" BSPP			1.3 [33]	0.6 [15]
1" NPT			1.5 [39]	0.5 [13]
DIN 24557/2 6-hole pattern			2.8 [70]	0.3 [7]

Dimension 96 Series in inch [mm]				
XX	A	B	C	D
3/4 " BSPP	3.9 [98]	8.3 [212]	1.3 [33]	0.6 [15]
1" BSPP			1.3 [33]	0.6 [15]
1" NPT			1.5 [39]	0.5 [13]
DIN 24557/2 6-hole pattern			2.8 [70]	0.3 [7]

Dimension 121 Series in inch [mm]				
XX	A	B	C	D
1 1/4 " BSPP	5.1 [130]	9.6 [245]	1.6 [40]	0.8 [20]
1" BSPP			1.3 [32]	0.6 [15]
1" NPT			1.5 [37]	0.5 [12]
DIN 24557/2 6-hole pattern			2.8 [70]	0.3 [7]



## SPARE PARTS

Product Spare Parts	93 Series	96 Series	121 Series
<b>Air Filter</b>	SO-KL90 (9331034)		SO-KL120 (9317903)
<b>ZR Gel Refill</b>	300 cc / RF-TDB93R (9331156)	600 cc / RF-TDB96R (9331155)	1000 cc / RF-TDB121R (9331157)
<b>Spare Kit*</b>	SP-TDB93R (9318115)	SP-TDB96R (9318116)	SP-TDB121R (9318117)

\*The sparekit contains 1x air filter, 1x refill container, 2x foam filters, 1x bottom seal stickers, 1x adapter plug.