

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]		
Code	Description	Code	Description	
93	300 cc	R	ZR Gel without check valves	
96	600 cc	RV	ZR Gel with check valves	
121	1000 cc			
Connection [Box 3]				
93&96 Series Connections		121 Series Connections		
Code	Description	Code	Description	
34B	3/4" BSPP male	1B	1" BSPP male	
1B	1" BSPP male	1N	1" NPT male	
1N	1" NPT male	114B	1 1/4" BSPP male	
DIN6	DIN 24557/2 6-hole pattern	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 ₃ ≥ 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:

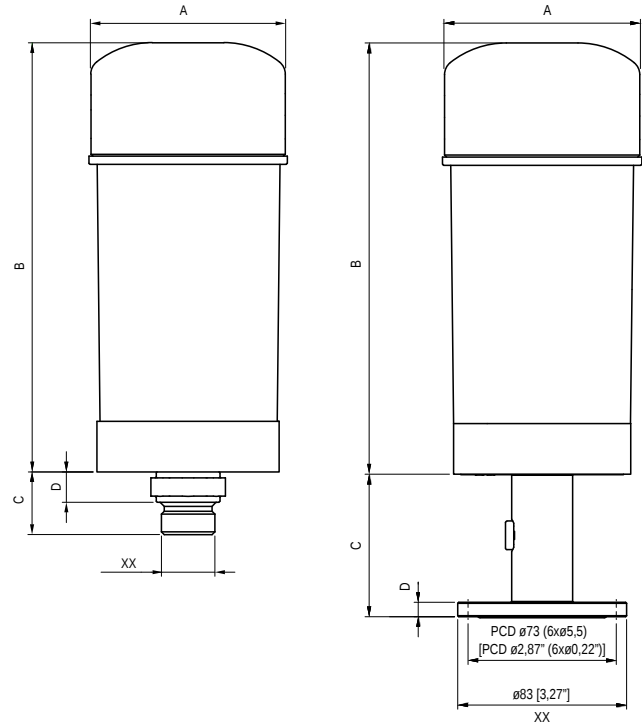
- Wind Energy
- Storage
- Pulp & Paper
- Mining
- Aviation
- Manufacturing
- Petrochemical

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
Air Filter	SO-KL90 (9331034)		SO-KL120 (9317903)
ZR Gel Refill	300 cc / RF-TDB93R (9331156)	600 cc / RF-TDB96R (9331155)	1000 cc / RF-TDB121R (9331157)
Spare Kit*	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.