

R-Series

High Vibration Applications

Most mobile equipment, including maintenance of way equipment, farm implements, and off-road vehicles, are equipped with hydraulic fluid tanks or reservoirs which breathe outside air.

R-Series breathers are suitable for high vibration applications including off-road vehicles, construction vehicles, haul trucks, and farm vehicles typically equipped with hydraulic fluid reservoirs. R-Series breathers are easily mounted in place of standard breather caps via rugged steel pipe threads, included with all models except the R-111. The metal reinforced base (right) is reusable.

When the silica gel cartridge turns color from gold to dark green, simply install a new replacement cartridge (below) to the reusable metal base.

The R-Series rebuildable design allows for economical replacement of the desiccant cartridge.



Typical applications include:

- RAILROAD MAINTENANCE OF WAY EQUIPMENT
- CRANES
- FARM IMPLEMENT
- OFF ROAD VEHICLES



R-SERIES REPLACEMENT CARTRIDGES



Sizing Information

Model	Height in. (cm)	Diameter in. (cm)	Mounting Connection	Weight lbs. (kg)	Water Capacity fl.oz (mL)	Maximum Air Flow cfm	Maximum Reservoir Fluid Flow gpm	Type Of Medium
R-100	5 (12.7)	5.2 (13.2)	1 inch male NPT	2.5 (1.1)	3.1 (91)	35	262	100% Silica Gel
R-101	6.5 (16.5)	5.2 (13.2)	1 inch male NPT	3.2 (1.5)	6.2 (183)	35	262	100% Silica Gel
R-102	9.5 (24.1)	5.2 (13.2)	1 inch male NPT	4.5 (2.0)	13.9 (411)	35	262	100% Silica Gel
R-111*	6 (15.2)	5.2 (13.2)	1.125 inch female thread	2.8 (1.3)	6.2 (183)	35	262	100% Silica Gel
R-123	12 (30.5)	5.2 (13.2)	2 inch male NPT	5.5 (2.5)	18.5 (547)	100	750	100% Silica Gel
R-200	5 (12.7)	5.2 (13.2)	1 inch male NPT	2.2 (1.0)	—	15	112	100% Activated Carbon
R-201	6.5 (16.5)	5.2 (13.2)	1 inch male NPT	2.5 (1.1)	—	15	112	100% Activated Carbon
R-202	9.5 (24.1)	5.2 (13.2)	1 inch male NPT	3.4 (1.5)	—	15	112	100% Activated Carbon
R-223	12 (30.5)	5.2 (13.2)	2 inch male NPT	3.8 (1.7)	—	50	375	100% Activated Carbon
R-325	12 (30.5)	5.2 (13.2)	2 inch male NPT	5.5 (2.5)	12 (355)	50	375	33% Activated Carbon 67% Silica Gel

* The R-111 is used in conjunction with the A-306 pressure relief valve, which has a 1.125 inch male thread to mount to the fluid reservoir.

Model	Height in. (cm)	Diameter in. (cm)	Replacement Cartridge for Model	Weight lbs. (kg)	Water Capacity fl.oz (mL)	Maximum Air Flow cfm	Maximum Reservoir Fluid Flow gpm	Type Of Medium
A-300	3.75	5 (12.7)	R-100	1.8 (0.8)	3.1 (91)	35	262	Silica Gel
A-301	5 (12.7)	5 (12.7)	R-101 or R-111	2 (0.9)	6.2 (183)	35	262	Silica Gel
A-302	8 (20.3)	5 (12.7)	R-102	3.3 (1.5)	13.9 (411)	35	262	Silica Gel
A-323	10 (25.4)	5 (12.7)	R-123	4.6 (2.1)	18.5 (547)	100	750	Silica Gel
A-303	3.75 (9.53)	5 (12.7)	R-200	1.2 (0.6)	—	15	112	Activated Carbon
A-304	5 (12.7)	5 (12.7)	R-201	1.5 (0.7)	—	15	112	Activated Carbon
A-305	8 (20.3)	5 (12.7)	R-202	2.4 (1.1)	—	15	112	Activated Carbon
A-324	10 (25.4)	5 (12.7)	R-223	2.9 (1.32)	—	50	375	Activated Carbon
A-325	10 (25.4)	5 (12.7)	R-325	4.6 (2.1)	12 (355)	50	375	33% Activated Carbon 67% Silica gel