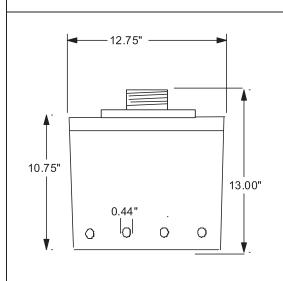


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Data Sheet: 10LB ARVF-Data Sheet Part # ARVF-10



Application: Air Release Valve Vents.

Installed Height: 13 Inches Overall Width: 12.75 Inches Inlet sizes: 3" FIPT; ASTM F 1498

Max CFM: 50 CFM

Carbon Capacity: 10LBS/.4 cubic feet *

Carbon Type: Catalytic

H2S Breakthrough Capacity gH2S/cc carbon;.2 (Min)

ASTM D 6646

* The low apparent density of catalytic carbons means fewer pounds must be purchased to fill the required volume. Since H2S removal Capacity is based on bed volume, this results in direct cost savings.

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Carbon Life Estimate based on constant flow at 5 PPM H2S Concentration								
CFM	1CFM	5CFM	<u>10CFM</u>	20CFM	30CFM	40CFM	50 CFM	
Carbon Bed Contact Time-Seconds	24	4.8	2.4	1.2	.8	.6	.48	
Carbon Life Days	5472.15	1459.24	547.22	273.61	182.41	136.80	109.44	
Carbon Life Hours	131331.7	35021.79	13133.17	6566.58	4377.72	3283.29	2626.63	
Carbon Life Estimate based on constant flow at 10 PPM H2S Concentration								
CFM	1CFM	5CFM	<u>10CFM</u>	20CFM	30CFM	40CFM	50 CFM	
Carbon Bed Contact Time	24	4.8	2.4	1.2	.8	.6	.48	
Carbon Life Days	2736.08	547.22	273.61	136.80	91.2	68.4	54.72	
Carbon Life Hours	65665.85	13133.17	6566.58	3283.29	2188.86	1641.65	1313.32	
Carbon Life Estimate based on constant flow at 20 PPM H2S Concentration								
Carbon Life Es	timate bas	sed on cor	nstant flov	w at 20 F	PPM H2S (Concentra	ation	
Carbon Life Es	timate bas 1CFM	sed on cor	nstant flow 10CFM	w at 20 P 20CFM	PPM H2S (30CFM	Concentra 40CFM	ation 50 CFM	
	<u>1CFM</u> 24							
CFM Carbon Bed Contact	1CFM	5CFM	<u>10CFM</u>	<u>20CFM</u>	<u>30CFM</u>	40CFM	50 CFM	
CFM Carbon Bed Contact Time	<u>1CFM</u> 24	<u>5CFM</u> 4.8	10CFM 2.4	20CFM 1.2	.8	.6	.48	
CFM Carbon Bed Contact Time Carbon Life Days	1CFM 24 1368.04 32832.92	4.8 273.61 6566.58	2.4 136.80 3283.29	1.2 68.40 1641.65	.8 45.60 1094.43	.6 34.20 820.82	.48 27.36 656.66	
CFM Carbon Bed Contact Time Carbon Life Days Carbon Life Hours	1CFM 24 1368.04 32832.92	4.8 273.61 6566.58	2.4 136.80 3283.29	1.2 68.40 1641.65	.8 45.60 1094.43	.6 34.20 820.82	.48 27.36 656.66	
CFM Carbon Bed Contact Time Carbon Life Days Carbon Life Hours Carbon Life Es	24 1368.04 32832.92 timate bas	4.8 273.61 6566.58 sed on cor	2.4 136.80 3283.29 nstant flow	1.2 68.40 1641.65 w at 30 F	.8 45.60 1094.43 PPM H2S (.6 34.20 820.82 Concentra	.48 27.36 656.66 ation	
CFM Carbon Bed Contact Time Carbon Life Days Carbon Life Hours Carbon Life Es CFM Carbon Bed Contact	1CFM 24 1368.04 32832.92 timate bas 1CFM	4.8 273.61 6566.58 sed on cor	2.4 136.80 3283.29 stant flow	1.2 68.40 1641.65 w at 30 F	.8 45.60 1094.43 PPM H2S 0 30CFM	.6 34.20 820.82 Concentra 40CFM	.48 .27.36 .656.66 ation .50 CFM	