

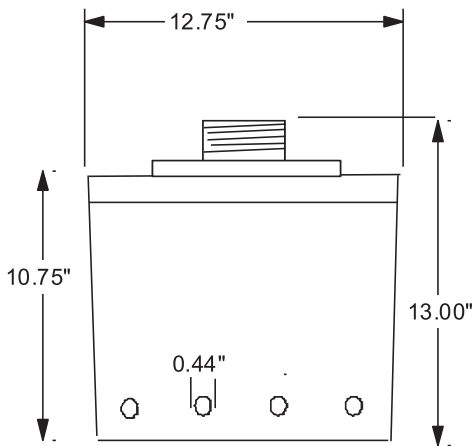


120 E. 15th Avenue
 N. Kansas City, MO 64116
 (ph) 877-279-4OCS (027)
 (fx) 816-746-8264

OC-ONLINE.NET



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.

Darco Catalytic Carbon Life Estimates

Carbon Life Estimate based on constant flow at 5 PPM H2S Concentration

| CFM | <u>1CFM</u> | <u>5CFM</u> | <u>10CFM</u> | <u>20CFM</u> | <u>30CFM</u> | <u>40CFM</u> | <u>50 CFM</u> |
|---------------------------------|-------------|-------------|--------------|--------------|--------------|--------------|---------------|
| 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 | <u>1CFM</u> | <u>5CFM</u> | <u>10CFM</u> | <u>20CFM</u> | <u>30CFM</u> | <u>40CFM</u> | <u>50 CFM</u> |
|-------------------------|-------------|-------------|--------------|--------------|--------------|--------------|---------------|
| 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

| CFM | <u>1CFM</u> | <u>5CFM</u> | <u>10CFM</u> | <u>20CFM</u> | <u>30CFM</u> | <u>40CFM</u> | <u>50 CFM</u> |
|-------------------------|-------------|-------------|--------------|--------------|--------------|--------------|---------------|
| Carbon Bed Contact Time | 24 | 4.8 | 2.4 | 1.2 | .8 | .6 | .48 |
| Carbon Life Days | 1368.04 | 273.61 | 136.80 | 68.40 | 45.60 | 34.20 | 27.36 |
| Carbon Life Hours | 32832.92 | 6566.58 | 3283.29 | 1641.65 | 1094.43 | 820.82 | 656.66 |

Carbon Life Estimate based on constant flow at 30 PPM H2S Concentration

| CFM | <u>1CFM</u> | <u>5CFM</u> | <u>10CFM</u> | <u>20CFM</u> | <u>30CFM</u> | <u>40CFM</u> | <u>50 CFM</u> |
|-------------------------|-------------|-------------|--------------|--------------|--------------|--------------|---------------|
| Carbon Bed Contact Time | 24 | 4.8 | 2.4 | 1.2 | .8 | .6 | .48 |
| Carbon Life Days | 912.03 | 182.41 | 91.20 | 45.60 | 30.40 | 22.80 | 18.24 |
| Carbon Life Hours | 21888.62 | 4377.72 | 2188.86 | 1094.43 | 729.62 | 547.22 | 437.77 |