



CO₂ Vapor Filters

Maintain the high quality of your products. Our filters remove most common trace odor impurities, trace oil and particulate matter from your CO₂ so that your customers can enjoy a great tasting product.

Efficiently filter carbon dioxide vapor before it enters your process piping.

This unit is specially designed to filter carbon dioxide vapor for the removal of most common trace odor causing impurities, trace oil and particulate matter and is offered in both 1,500 and 6,000 pound per hour (680.4 and 2,712.6 kg/hr) capacities.

Carbon dioxide vapor flows from the CO₂ storage tank to the filter inlet. The vapor then flows up through an activated carbon bed, then through an after filter before entering the plant process piping.

Model FS77L

FEATURES

- ASME coded vessel
- 1,500 lb/hr (680.4 kg/hr) of CO₂ vapor flow
- Differential pressure gauge
- 80 lbs (36.288 kg) of activated carbon
- Replaceable after filter
- Vessel safety relief valve
- 1 1/2" (3.81 cm) NPT pipe connections
- Blow down valve
- Dimensions (Dia x H): 30" (76.20 cm) x 70" (177.80 cm)
- Weight: 690 lbs (312.84 kg)
- Contact Time: 27 seconds at maximum flow



Model FS 90L

FEATURES

- ASME coded vessel
- 6,000 lb/hr (2,712.6 kg/hr) of CO₂ vapor flow
- Differential pressure gauge
- Operates with 400 lbs (181.44 kg) of activated carbon
- Replaceable after filter
- Vessel safety relief valve
- 3" (7.62 cm) Series 300 flanged connections
- Blow down valve
- Dimensions (Dia x H): 42" (106.68 cm) x 99" (251.5 cm)
- Weight: 2,194 lbs. (995.198 kg)
- Contact Time: 27 seconds at maximum flow



PF 6000 Particle CO₂ Vapor Filter

FEATURES

- 6,000 lb/hr (2,712.6 kg/hr) of CO₂ vapor flow
- 200-80-SA Filter media (99.9999% @ 0.01 micron)
- Replaceable filter cartridge
- FDA and USDA approved
- Stainless steel housing
- Schedule 80 seamless pipe, 2,000 lbs forged steel fittings, ball type valves
- Direct spring loaded safety relief valve with a set pressure of 450 psig (31.0 bar)
- 2" (5.08 cm) FNPT inlet and outlet connections
- 350 psig line pressure
- 10 psig maximum pressure drop
- Dimensions (L x W x H): 29.5" x 12.5" x 35" (74.93 cm x 31.75 cm x 88.9 cm)
- Weight: 65 lbs (29.48 kg)

NOTE: Our PF 6000 Particle CO₂ Vapor Filter removes solids and bacteria. Our final filters are in complete compliance with FDA and are accepted for use in federally inspected meat and poultry plants.

