



CAMERON GREAT LAKES, INC.

MOLECULAR FILTRATION SPECIALISTS

VAPOR SCRUB HIGH PRESSURE STEEL FILTER VESSELS

CONSTRUCTION

Vapor Scrub high pressure rated filter vessels are electric welded, low carbon steel constructed. Standard vessels are designed for 100 PSIG working pressure and factory tested. The vessels are either lined with 6 mils DFT phenolic epoxy and the exterior coated with a rust inhibiting primer and top coat or hot dip galvanized. Vessels with a 30 inch diameter and less have two 4 x 6 inch hand holes in the top head and lower side shell. Tanks with a 36 inch to 60 inch diameter have an 11 x 15 manway in the top head and a 4 x 6 inch hand hole in the lower side shell. Tanks with a 66 inch diameter and larger have two 11 x 15 inch manways, one in the top head and one in the lower side shell. Standard connections are NPT threaded full couplings.

OPTIONAL: ASME CODE pressure vessels are fabricated and stamped in accordance with ASME code, Sec. 8, Div. 1. Vessels are available with Canadian Registration Numbers (CRN), special pressure ratings, connections, relief valves, various openings and interior and exterior coatings. Vessels are furnished with flanged connections when required.

FILTRATION MEDIA

ACTIVATED CARBON: Standard activated carbon is size 4 x 8 mesh, 60% CTC activity, 950 minimum iodine number and a minimum abrasion number of 95. Additional grades and specialty carbons are available.

ODOR OXIDIZING MEDIA: This filtration media starts with a aluminosilicate base material possessing significant molecular sieve sorption capacity impregnated with 6% by weight potassium permanganate.

(Please request CGL / ZK6 Product Bulletin for additional information.)

OPTIONS AND ACCESSORIES

- A. Flanged or threaded connections.
- B. Linings: Rubber, epoxy, galvanizing, fiberglass.
- C. Number, size, and location of manways, handholes, fittings; structural legs; skid or flat base.
- D. Valves, sample taps, skid mounting, and controls.
- E. Vessel pressure ratings and certifications: ASME, National Board, Military, CRN
- F. Various grades and mesh sizes or media.
- G. Additional diameters and sideshell lengths.
- H. Special materials & alloys; design for on-site desorption using steam.

DISTRIBUTOR SYSTEM

Standard vessel design is air "up flow". Standard bottom diffuser is a hub & lateral design using PVC materials. All metal internals available as an option for severe service or for on-site steam desorption.

