Installation Guide for Saddle Tank

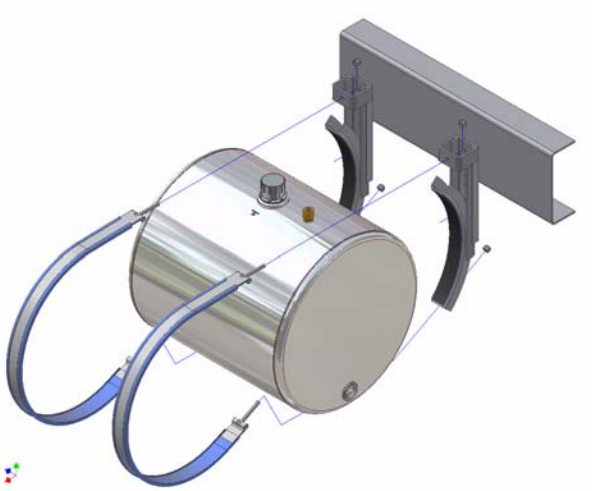
Tank Package Includes- Steel or aluminum tank, 40 micron filler breather cap chain retention, nylon strainer basket and bayonet closure, a 3/8 additional vent is provided on 50 gallon and larger tanks and one port plug.

Mounting Kits

AMK624C- 2 cradle brackets and 2 carbon steel straps
AMK624S- 2 cradle brackets and 2 stainless steel straps
AMK624C3- 3 cradle brackets and 3 carbon steel straps
AMK624S3- 3 cradle brackets and 3 stainless steel straps

Cradle brackets are power coated black and have a rubber pad. Carbon steel straps are powder coated black with ½ -20 studs each end, with ny-loc nuts and rubber channel. Stainless steel straps have ½ -20 studs each end, with ny-loc nuts and rubber channel.

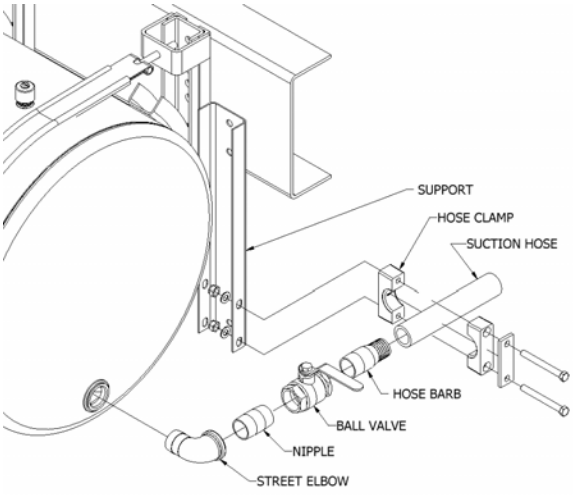
For satisfactory performance of a saddle mount tank, the following installation method is required. Non-compliance may void warranty.



Mounting of Tank Brackets – The cradle brackets shall be mounted with top of cradle brackets flush with the top of truck frame rail and attached with at least two 5/8 grade 5 bolts per bracket. Each tank shall have a bracket that is within Two inches of the end of tank. 75 gallon tanks require a third bracket placed on either side of the fill cap with strap spaced at least ½ inch from weld. 100 and 120 gallon tanks require four brackets evenly spaced and with end of strap at least ½ inch from any weld. No strap shall bear directly over the any weld on tank.

Mounting Tanks – Examine tank brackets to insure 1/8 rubber pad is in place. Place tank against brackets and install strap with rubber around tank. When tank is located properly tighten nuts on to straps firmly and by not more than 25 ft-lbs of torque.

Installation of plumbing to tank – All plumbing and fitting connections attached to tanks must be properly supported into the same moving plane as the tank in order to keep plumbing and fittings from creating a metal fatigue fracture outside the port weld.



Recommended plumbing attachment to tank- First connection out of tank should be a 90 degree elbow that is directed towards the frame next will be pipe nipple and then ball valve and finally the hose barb and hose. At point directly under truck frame, support shall be installed from truck frame to hose and supported in such a matter that hose vibration and movement caused by truck in operation stationary or in motion, no movement is transferred to tank port on tank. Avoid cross-threading, use quality anti-seize sealing compound and do not over-tighten fittings.

When using ball valve, assemble street elbow, nipple and valve before attaching elbow to tank and make sure that shut off position of lever is facing away from tank. Support from frame down must be ridged for application and clamping must be firm to eliminate hose chaffing but not to point whereas it may restrict fluid flow.