



# Methane Recovery Systems

Whirlwind specializes in the fabrication of methane (vapor) recovery systems for storage tank and separator flash gas applications. High BTU (rich) methane vapors venting from oil storage tanks and separators are an untapped revenue source for many producers. This readily available revenue stream can be valued at thousands of dollars per year - per lease site.

When released into the atmosphere **Methane (CH<sub>4</sub>) accounts for 22.9% of worldwide greenhouse gas emissions and have an atmospheric lifetime 20 times greater than a comparable unit of Carbon Dioxide (CO<sub>2</sub>) emissions.**

**This five tank installation consisting of closed top 300 bbl product and water tanks was equipped with a Whirlwind W / RS Series 15 horsepower electric drive compressor. The application is recovering .080 mmscf of 2200+ BTU tank vent gas at ½ oz. suction pressure and a discharge pressure of 100 Psig.**

**Also being recovered are liquid hydrocarbons which are sent to the product tanks for a further increase in revenues**



Whirlwind W/RS Series methane recovery packages are centered on reliable, low maintenance, oil flooded rotary screw compressor frames like Gardner Denver, LeRoi and Tamrotor. The W/RS Series is available in sizes ranging from 5 to 500 horsepower with electric drive or natural gas engine drivers. These packages are capable of operating in a vacuum up to 25 Psig suction pressures with a maximum discharge pressure of 175 - 250 Psig.

Whirlwind W/RS compressor packages are currently being used in oil enhancement, vapor recovery, digester biogas, natural gas gathering and gas booster applications.



## - Package Features & Options -

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| <ul style="list-style-type: none"> <li>Inlet Filter Separators</li> <li>TEFC Motors (drive &amp; cooler)</li> <li>Environmental Containment Skids</li> <li>Automatic Bypass</li> <li>Code &amp; Non Code Versions</li> <li>Electric &amp; Natural Gas Engine Drivers</li> <li>Natural Gas Generator Systems</li> </ul> | <ul style="list-style-type: none"> <li>Integral Automatic Blowcase</li> <li>Gas After Coolers</li> <li>Automatic Unloaders</li> <li>Rigid Piping Systems</li> <li>Skid &amp; Trailer Mounted</li> <li>Electric Motor Starters</li> <li>Size Range 5 to 500 BHP</li> </ul> |
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Tattletale, Annunciator and PLC control systems available.

“Reducing Methane Emissions = Maximizing Product Returns = Building a Better Environment”