Fugitive Emissions Control on Reciprocating Compressors



Dan Hannon

Ariel Corporation

Greenhouse Gasses

Pending Regulations for GHG's
Auditing Leakage Amount
Enforcing Leakage Levels?

Greenhouse Gasses Under Scrutiny Include:

Carbon Dioxide

Methane

Nitrous Oxide

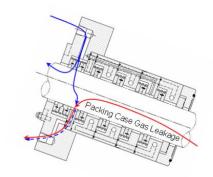
Fluorinated gasses





Fugitive Emissions

Zero Emissions



GHG'S

Sour Gas

Purge and Vent

Leakless Packing

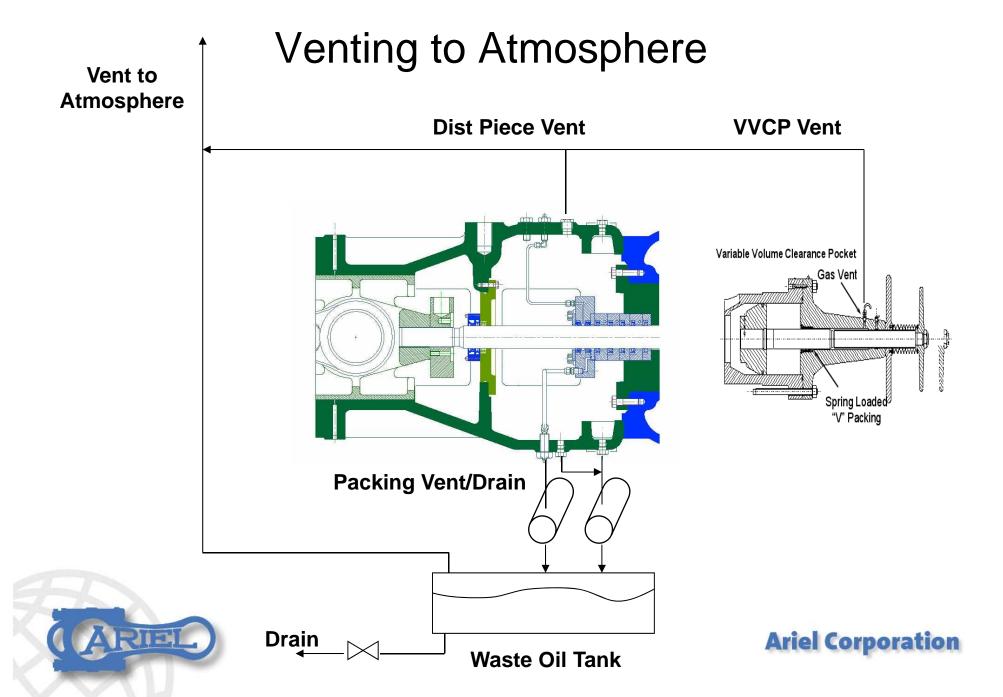
Leakless Packing

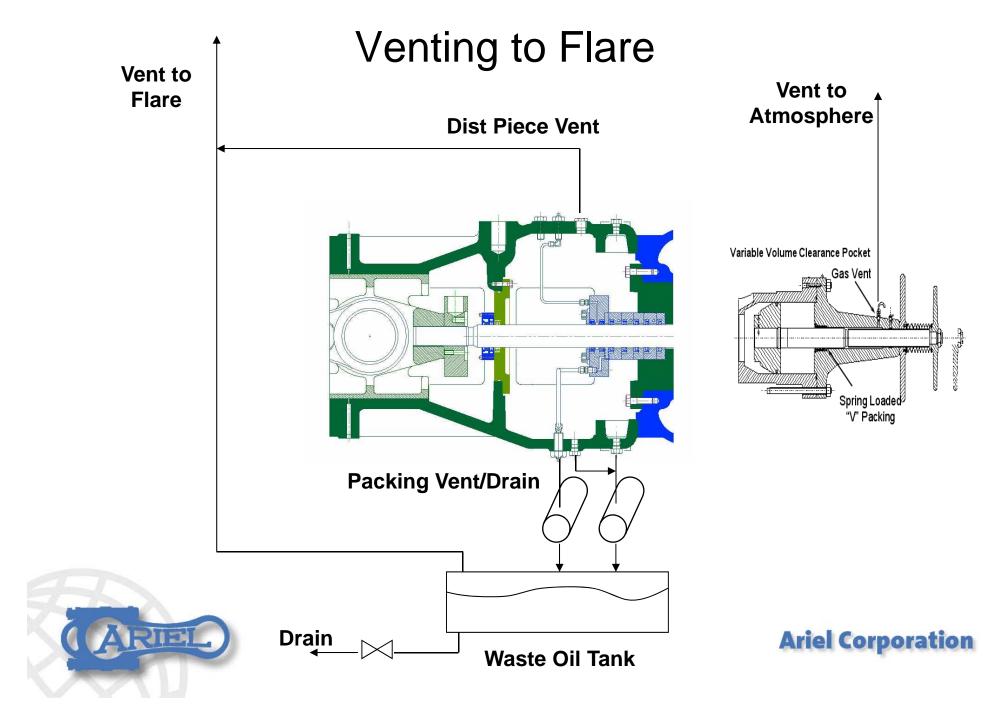
Leakless Packing

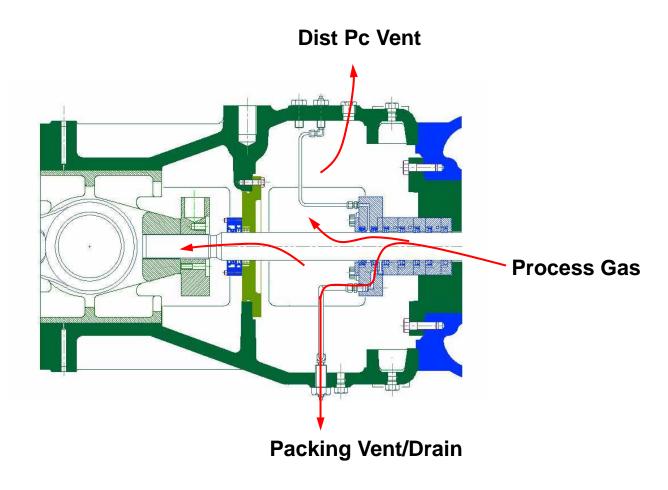
Flare Gas



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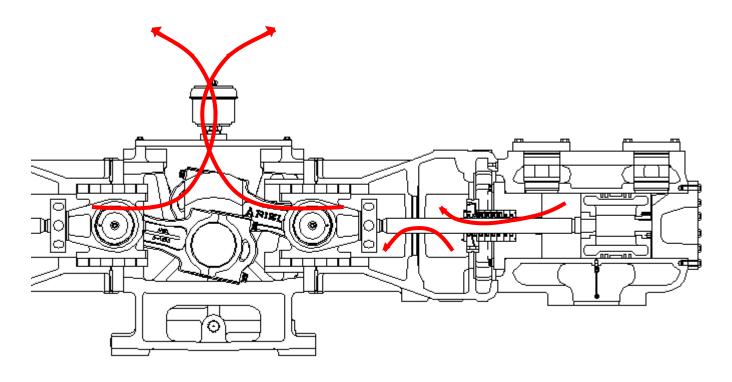






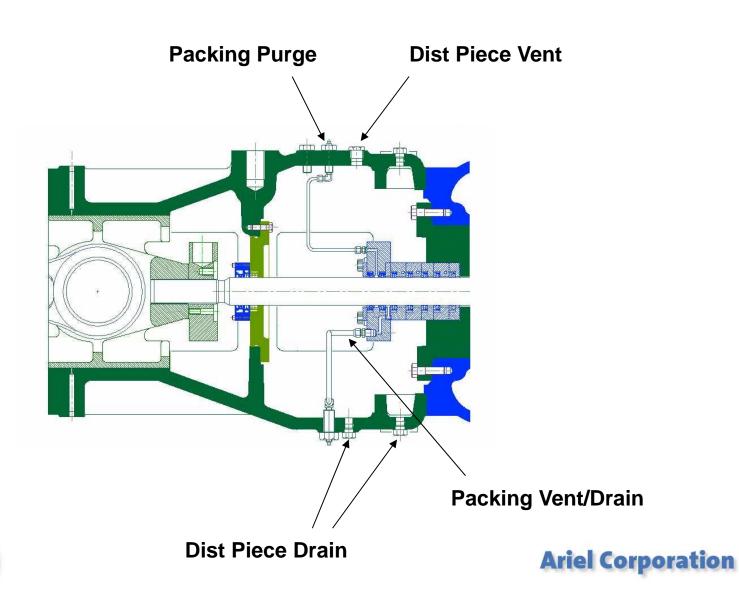
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Reciprocating Compressor Emissions

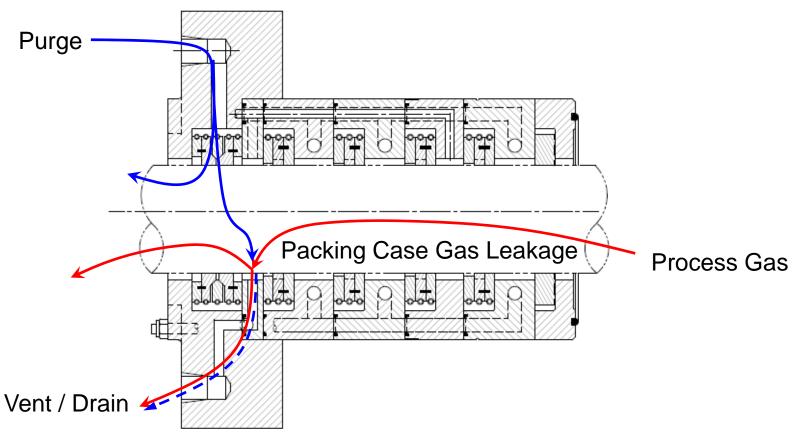


Process gas leaking into the frame WILL leak to the atmosphere

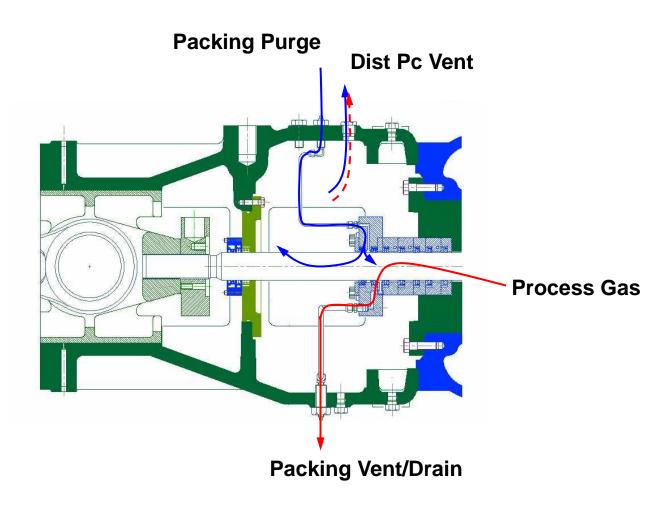




Pressure Packing

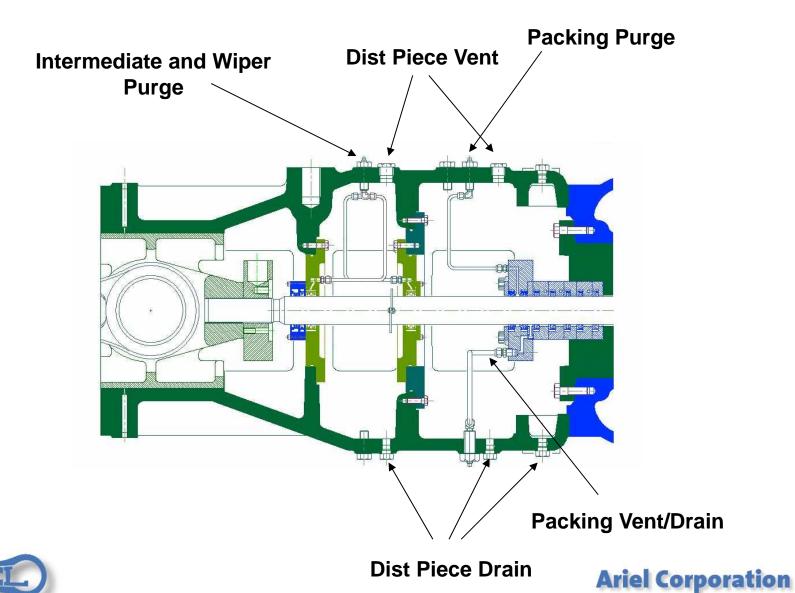




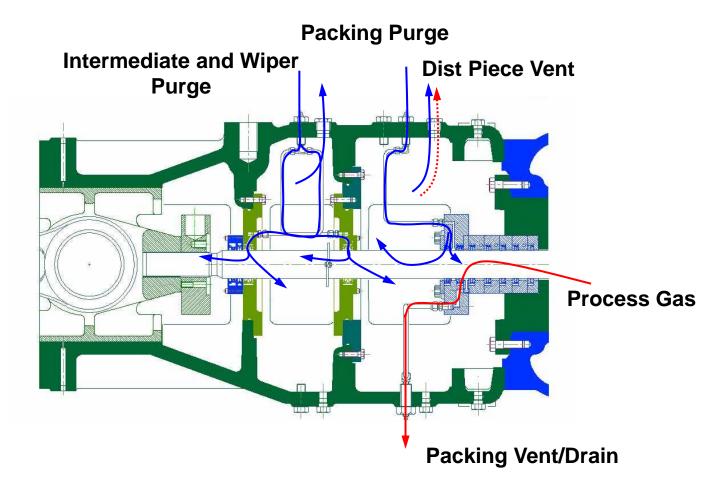




Long Two Compartment Distance Piece



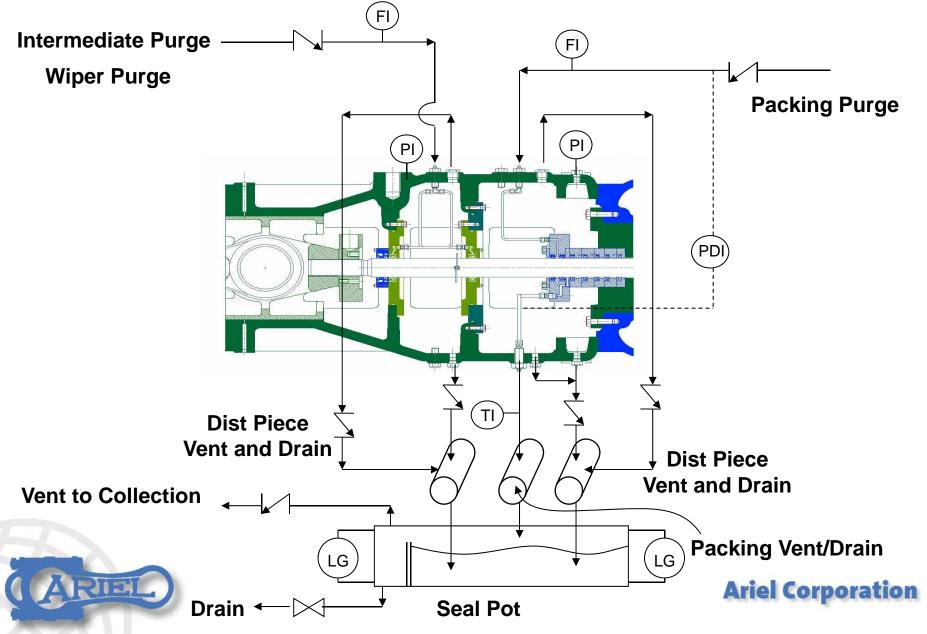
Long Two Compartment Distance Piece



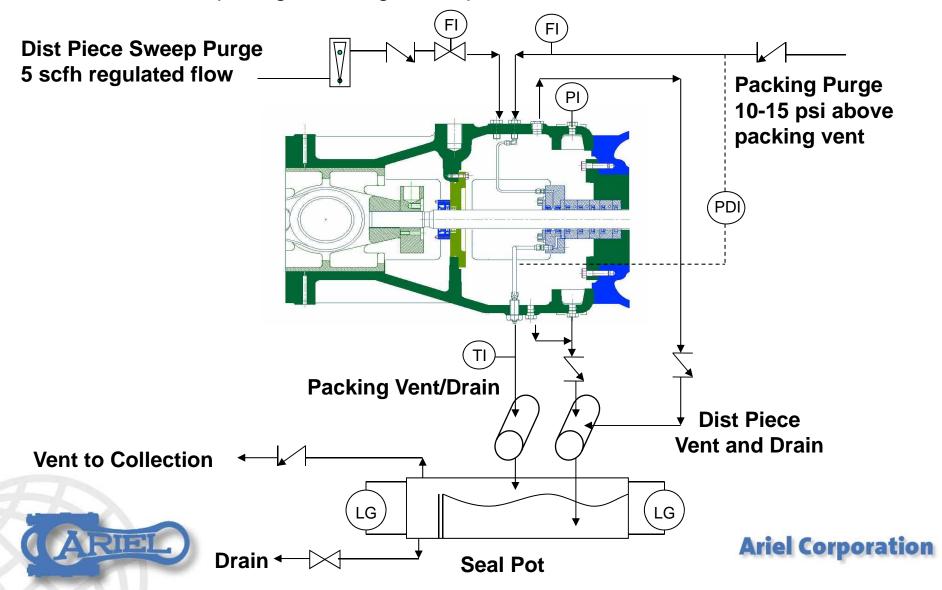


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Long Two Compartment Distance Piece



Sweep Purge for Single Compartment Emissions Retrofits



Expected Leakage Rates

5 to 10 SCFH per pressure packing case, new

Up to 100 SCFH per packing case, worn

Purge Gas Usage: 5 to 10 SCFH per purge point. Purge gas pressure should be 5 to 15 psi higher than the vent pressure

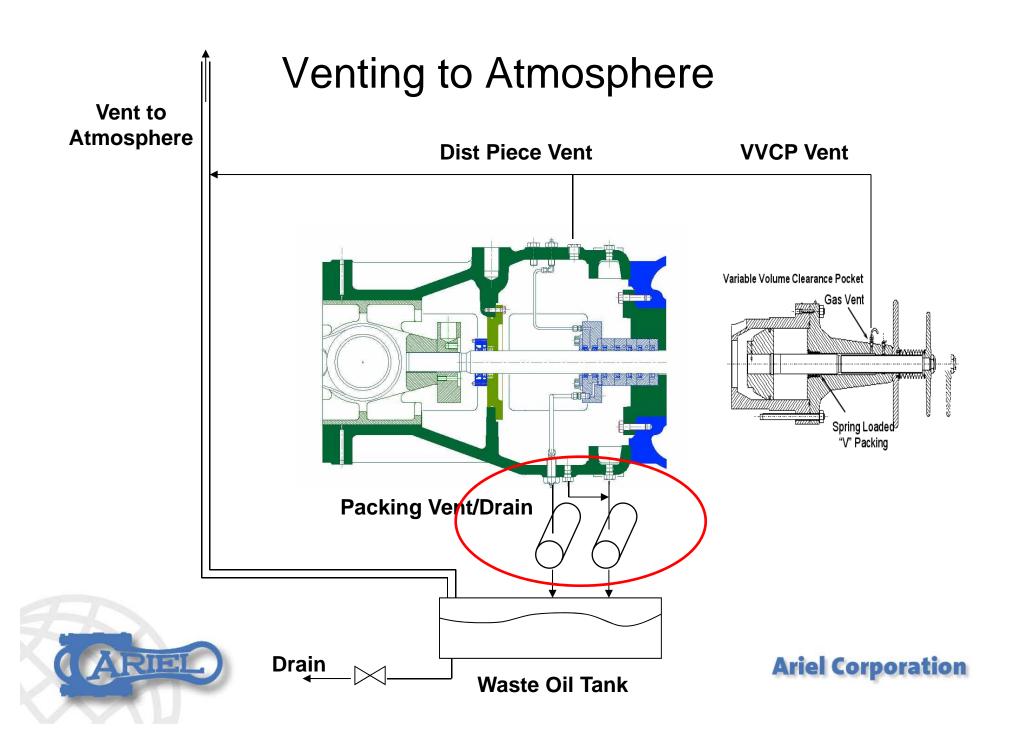


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Dan Hannon 740-397-0311

Kent Crockett 281-682-8543





Keeping Packing Vent Separate from Drains

