



TESCORP VENTMASTER ERU UNIT (EMISSIONS RECOVERY UNIT)



UNIQUE PACKING EMISSION SOLUTION

ERU-1250

Encapsulated scroll compressor
15 Horsepower system
Capacities of 1250 SCFH
Discharge pressures to 150 Psig

Eliminate costly fugitive emissions and service expenses & stay in compliance with EPA mandates with our proprietary methane solution.

The EPA has recognized that the issue of fugitive emissions emitted from compressor packing boxes, gas-operated control valves and pumps contributes up to 72.4 BCF of methane per year into the atmosphere. All packing systems leak under normal conditions. Continued servicing, packing replacement or flaring of these gas emissions is costly and not a total solution. The TESCOP VentMaster ERU recovers and returns these gases back to the process through a simple and affordable process.

TESCORP has designed, tested, and is manufacturing a standard “vapor emissions recovery system” for use with existing pipeline natural gas compressor systems.

This unit addresses the issue of leaking piston rod packing systems by:

1. Recovering the gas from the compressor packing box by utilizing a back-pressure regulator to maintain a positive pressure in the packing case. The vapors are then evacuated by the TESCOP ERU that produces a slight vacuum as necessary to capture and transport all leaking emissions.
2. The recovered gas is then pressurized to meet the existing pressures necessary to re-enter either the first stage of compression or the compressor fuel gas system for utilization in the current process.
3. The TESCOP “ERU” system is capable of capacities of 1250 scfh and discharge pressures of up to 150 psig.

This system allows existing dry gas pipeline compressor systems to meet the requirements for compliance to EPA “New Source Performance Standards” (40 CFR 60 Subpart 0000a).

Designed and constructed as a complete system for ease of installation and operation, systems are complete with:

- Encapsulated 15 horsepower compressor unit without packing or seals to leak
- 3-Phase/460VAC VFD with controller for totally automatic operation and capacity control
- NEC Class I, Division II controls with customer interface and local fault annunciation
- Vacuum receiver with condensate blow-case for removal and elimination of produced condensates
- Compact design with only a 4' x 4' footprint for ease of installation & utilization of space
- Gas after-cooling of discharge gas for reinjection into either 1st stage of compression or into the compressor fuel gas system
- Weather-proof enclosure available as option

