

TESCORP "VENTMASTER" SEAL PACKING EMISSIONS RECOVERY UNIT

Designed for compliance to EPA "New Source Performance Standards" (40 CFR 60 Subpart 0000a)

Emission recovery flow rate: VM3 = 9scfm; VM5 = 16.7scfm; VM10 = 25.7scfm

Discharge pressures to 50 Psig

Horsepower: VM3 = 3Hp; VM5 = 5Hp; VM10 = 10Hp

***The Solution to Your EPA
Quad "0" Regulations
Issues***



The TESCORP "VENT MASTER" is a proprietary, completely self-contained vent gas recovery system for containing and recovering the vented gas emissions from compressor seals, packing, and pneumatic pumps or control valves. The TESCORP "VENTMASTER" is a complete, simple, and fully-automated system for applications that require compliance with new EPA and state vent emissions requirements (40 CFR 60 Subpart 0000a).

The unit offers the following design and optional features:

Single-stage reciprocating compressor with:

- » Air-cooled for continuous duty
- » Pressure lubricated
- » Rod packing seal
- » Special vapor recovery heads for saturated gas
- » Continuous duty, constant flow

Premium efficiency electric motor drive with:

- » TEFC enclosure, NEMA "B" torque, 1.15 service factor; Class F insulation
- » Inverter duty for application with "VFD" drive

Suction scrubber constructed per the following:

- » Designed and constructed, per ASME Section VIII
- » 316 SS Mist eliminator
- » Particulate in-line filter
- » Condensate level controls, sight gauges, blow-case with pressure capability to 50 Psig

Constant flow control:

- » Automatic flow control valve for continuous vacuum level
- » HMI adjustable inlet vacuum settings

Emission recovery control panel is designed per NEC Class I, Division II, Class B, C & D with:

- » PLC control
- » Alarm and operational parameters display on HMI
- » Automatic failsafe control functions
- » Adjustable field settings
- » Unit remote start/stop
- » Unit remote run/alarm

VENTMASTER unit construction:

- » All electrical components and wiring per NEC Class I, Division II, Class B,C, & D
- » Skid assembly shall conform to ASTM A-36 requirements
- » All rotating equipment is fully protected with non-sparking guards
- » All units receive a complete mechanical/control run test with documentation
- » Unit Dimensions 42" x 42" x 56" Tall. 1300 Lbs.

Options:

- » Sour or corrosive gas (NACE compliant)
- » Motor starters and/or VFD drives
- » Oxygen sensor

