VLS Series
Vapor/Liquid Separators

Applications
- Soil vapor extraction
- Dual phase extraction
- Liquid ring pump
- Vacuum or pressure
- Blowers-Side Channel/regenerative, multi-stage regenerative, positive displacement, and centrifugal
- Industrial industry
- Remediation industry
- Vapor GAC
- Bio venting systems
- Excavation venting

Features & Specifications
- All Welded Steel construction, ASTM A-36 sheet steel
- 17” Hg vacuum design rating (optional full vacuum design available)
- Polypropylene demister element covering entire separator cross section to minimize vapor velocity & maximize water coalescing
- Tangential inlet utilizing centrifugal force for gross water/air separation (95%+ By Volume)
- 2" PVC site glass with unions for easy removal
- Steel baffle cover over water holding volume to prevent re-entrainment of water into air stream
- Stainless steel hermetically sealed float rod assembly (single or multiple floats)
- All zinc plated steel hardware
- Enamel external finish (optional internal & external finishes available)
- 99% + moisture removal of 10 micron and larger droplets (due to coalescing)
- Optional air filter with polyester element sized for specific blower, housed in separator (polyester element standard)
- 2” NPT half coupling for pump out or gravity drain, ¼” NPT gage port on inlet
- Neoprene full face top cover gasket
Options

- Stainless steel or Fiberglass re-enforced plastic construction (low pressure)
- Stainless steel coalescer media
- ASME designed & stamped for vacuum or pressure
- Full vacuum design
- Immersion heaters, NEMA 4 or NEMA 7 for freeze protection
- 1” recirculation port for pumping under high vacuum
- Air filter material and sizes
- Enamel internal finish, epoxy coatings or hot dipped galvanized finish
- Flanged or NPT inlet and outlet connections
- Flow, pressure, level & temperature gages or transmitters
- Heat trace for classified or non-classified electrical areas for freeze protection
- Clean out Ports
- Internal aeration diffuser for low level stripping or iron oxidation
- DP gage across filter, demister or both
- R-5 insulation with jacket, (steel or aluminum jacket)
- Vacuum relief valve