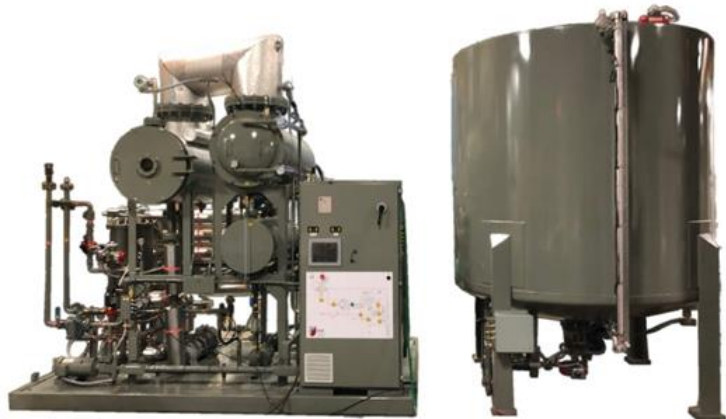


BA-VDU VACUUM DISTILLATION UNIT

Baron USA's BA-VDU Series purifiers are single stage, multi-pass, vacuum distillation systems designed for purification of mineral-based oils and additives. They are used to separate two or more hydrocarbon products from each other using temperature and vacuum.

PROCESSING RATES AND STANDARD FEATURES:

- Fully automatic operation
- Easy to use color touchscreen interface
- High quality seal-less circulation pump
- Nominal distillation rates available: 60, 100, 150 & 300 US gph
- Two-stage high vacuum system for moisture and gas removal; to facilitate vacuum separation by distillation
- Duplex inlet filters with water absorbing media and auto-switchover
- Water-cooled condenser with stainless steel insert



BA-VDU-150 and Water Stripping FST-3000

CONTAMINANTS REMOVED:

- Free and dissolved water
- Entrained air
- Particulates and 'tramp' oils
- Jet fuel contamination in hydraulic fluids or other base oils
- Grease, hydraulic fluid and lubricating oils from aluminum foil rolling lubricants
- Transformer oil from C11-C13 hydrocarbons often used in vapor phase drying systems



Any two or more hydrocarbons with sufficient differential in their boiling point ranges can be separated by these systems. Baron can also provide settling tanks ahead of the VDU for settling out of free water to protect the VDU from ingesting excessive water.

OPTIONS AND ACCESSORIES:

- Dirty oil Floating Suction settling Tank (FST) sized to the VDU (1500, 2000, 3000 & 5000-gallon capacities); includes floating suction to minimize water content of the fluid fed to the VDU
- Closed-loop cooling system for VDU if plant cooling water is unavailable
- Class 1, Division 1 or Division 2 hazardous location electrical system optional
- Flip flag level transmitter and Auto-water drain system on FST