

EVEREST

An Ingersoll Rand Business



OILSYST VACUUM SYSTEM



VACUUM



OILSYST VACUUM SYSTEMS

Everest brings to its customers, a milestone product OilSyst Vacuum System. This engineered vacuum package consists of two/three stage Mechanical Vacuum Booster combination along with a specially modified Liquid Ring Vacuum Pump to be used typically in Oil re-refining applications wherein heavy process carryover is carried into the backup pump. The liquid ring pumps have been modified to handle excessive load coming in because of heavy carbon carryover. These backup pumps are installed with Mechanical Seal as opposed to Gland Packing (std.). These vacuum packages come with Cyclone Separator, Inline Condenser and Inline Filter as standard.



KEY FEATURES

- Superior level of consistent process vacuum
- Complete plug and play skid-mounted engineered vacuum package offering dry pumping as opposed to wet pumping TVR technology (Steam Boosters with Water Ejectors)
- 100% tested and continuously improving design offering high reliability and low overall cost of ownership



SALIENT FEATURES

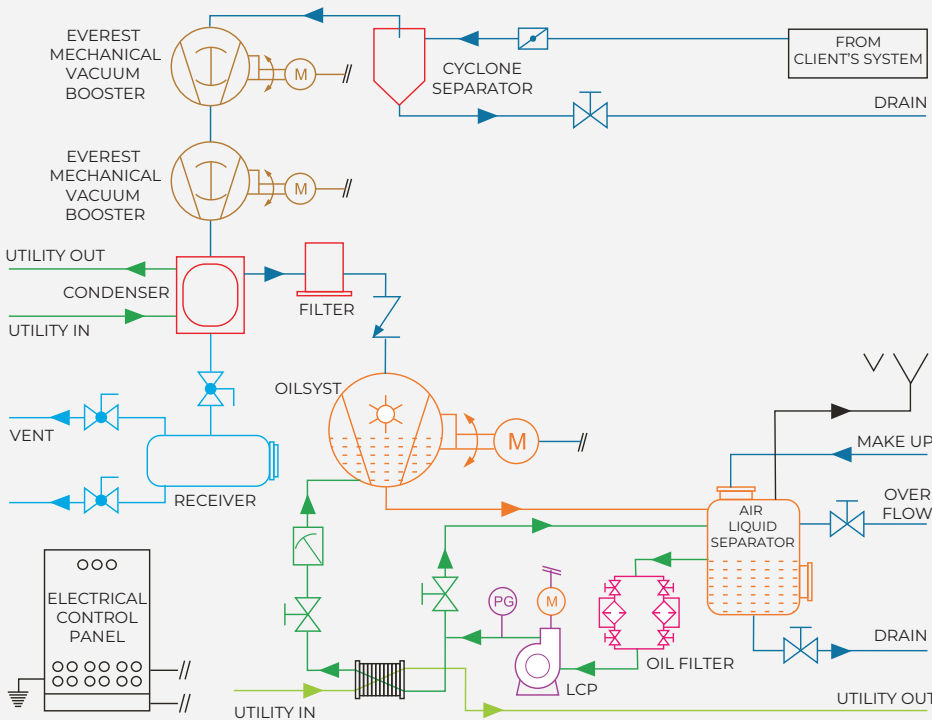
- High/Superior Ultimate Vacuum at Blank-Off
- Instantaneous start/stop with no warmup/warm-down time as opposed to the conventional steam ejector system. High operating speed leading to the faster initial evacuation
- Low vibration and noise, thus the complete package can be placed at heights leading to low conductance losses
- Low overall power consumption

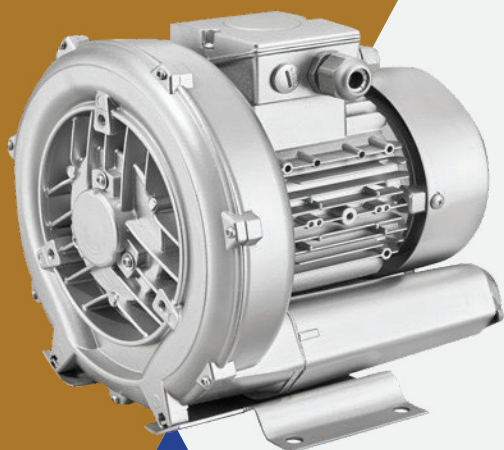
SCOPE OF SUPPLY

- Cyclone Separator suitably sized to reduce process carry over into the vacuum system
- Interstage proprietary design condenser S.S 304, high-efficiency corrugated tube, design with a collection tank
- Interstage Cartridge Re-Usable Filter + Filter cartridge for vacuum duty, low pressure drop, high efficiency with in-built collection pot
- Air liquid separator at the discharge of the OilSyst pump, with up to 95% air to oil separation
- Dedicated oil circulation circuit consisting of an inline cartridge filter with bypass, circulation pump, plate heat exchanger and rotameter circuit
- Process specific engineered electric control panel and control algorithm programmed through Program Logic Controller (PLC) for total automation. (with VFD for all MVB) and battery limit wiring
- Others such as: Interconnecting Bellows, Coupling & Coupling Guard; KF-16 tapping universal gauge point + BVG with Siphon; High Vacuum O-Ring sealing on all joints (ANSI B16.5/Eq)

SPECIFICATIONS						
	SKID-1	SKID-2	SKID-2.5	SKID-3	SKID-4	SKID-5
Nominal Capacity (m³/hr)	3000	6300	10400	12500	18200	30200
Displacement (CFM)	1800	3800	6200	7400	10700	17800
Ultimate Vacuum (Torr)	0.10	0.10	0.10	0.05	0.05	0.01
Power (kW)	26.50	35.8	56	73	84.3	TBA
Port size (NB)	125	200	250	250	300	400
Skid Structure	ISMC, IS: 808 1989					
Approx weight (Kg)	3000	3500	4500	5000	6000	TBA

P&I DIAGRAM





EVEREST PRODUCT LINEUP



VACUUM

- ▶ MECHANICAL VACUUM BOOSTERS
- ▶ DRY SCREW VACUUM PUMPS & SYSTEMS
- ▶ DRY CLAW VACUUM PUMPS
- ▶ ROTARY VANE VACUUM PUMPS
- ▶ LIQUID RING VACUUM SYSTEMS
- ▶ ENGINEERED VACUUM SYSTEMS
- ▶ MECHANICAL VAPOUR RECOMPRESSOR (MVR)



BLOWERS

- ▶ TWIN/TRI LOBE ROOTS BLOWERS
- ▶ GAS BLOWERS
- ▶ SIDE CHANNEL / CENTRIFUGAL BLOWERS
- ▶ TURBO BLOWERS

CONTACT US

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