

EVEREST

An Ingersoll Rand Business

MECHANICAL VAPOUR RECOMPRESSOR



VACUUM

MECHANICAL VAPOUR RECOMPRESSOR (MVR)

Everest brings to its customers, Mechanical Vapour Recompessors MVR/MVC, the latest and first of its kind Re-Compressor equipment in India offering simplicity, responsiveness and flexibility of operation.

These specially designed compressors are meant to handle steam vapours which can be reused to recover the latent heat of vaporization, in turn providing a heavy saving in energy and utilities. These compressors act as very efficient pollution-free alternatives to existing technologies. **MVR's** come in special corrosion resistance material of construction along with special Triple Sealing Arrangement which can withstand higher than normal temperature enough to ensure leak tightness to prevent any contamination of oil with process steam / vapours.



KEY FEATURES

- ▶ Ability to handle corrosive vapours and operate at high differential temperatures and pressure
- ▶ High coefficient of power leading to lower overall operating costs & cost of ownership
- ▶ Flexibility to scale up and adapt to process requirements and constraints



SALIENT FEATURES



Robust and Rugged Design



Flexibility to adapt to existing parameters, scale-up, and adaptation to process constraints



100% plug and play, consistent and reliable performance



Many successful Installations



High Volumetric Efficiency



Designed for high operating temperatures

SCOPE OF SUPPLY

- ▶ MVR/MVC Compressor
- ▶ SS 304 interconnecting piping
- ▶ Isolation Bellows with Flanges
- ▶ Desuperheating module (If required)
- ▶ Flush Diaphragm Pressure Transmitter with Pressure Gauge
- ▶ Temperature transmitter with Thermowell and Sensor at suction and discharge
- ▶ Oil conditioning system (Optional)
- ▶ Additional Collection pot (Optional)

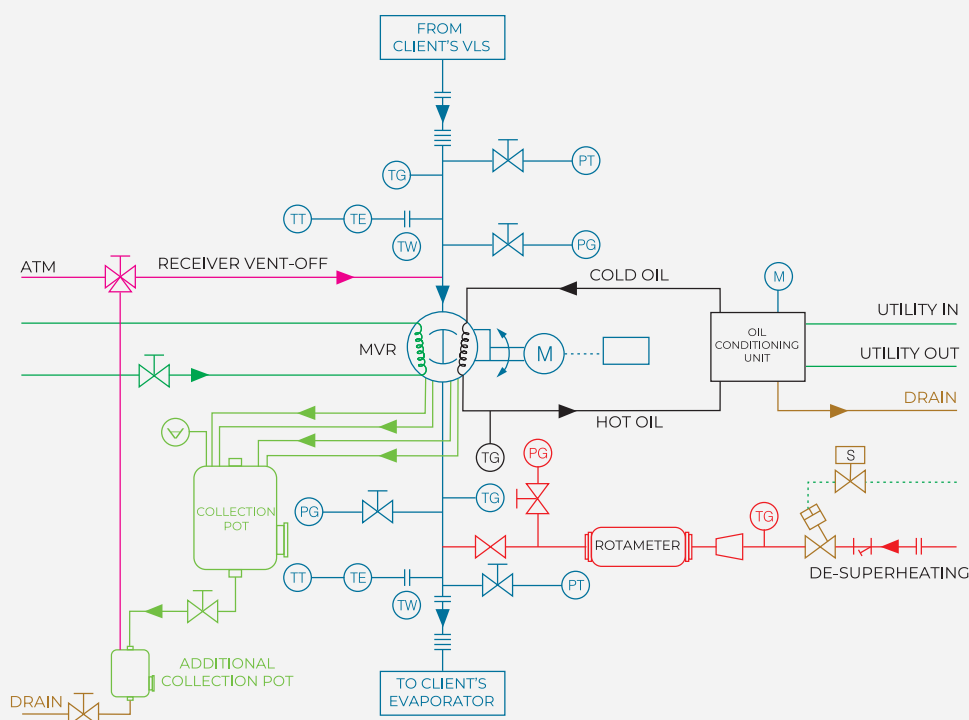
SPECIFICATIONS

Capacity	50 kg/hr - 6000 kg/hr (single module), can be multiplied by adding similar modules
ΔP	100 mBar - 1000 mBar
Application Range	50 mBar (abs.) to 2000 mBar (abs.)
Power	5 kW to 250 kW
Sealing	Triple Sealing Arrangement
Plating	Corrosion resistant special Electroless Nickel Plating and alloy steel construction on all internals and wetted parts for higher durability and longer life. (High wear resistance)

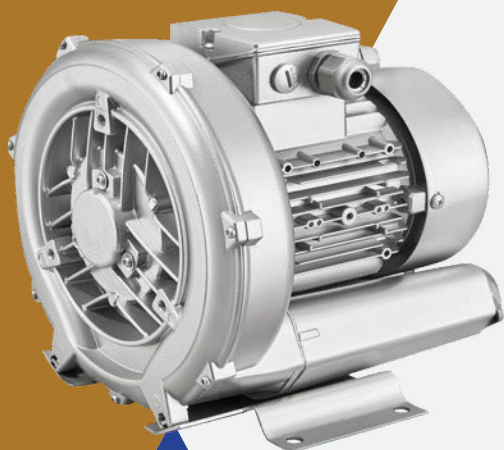
APPLICATIONS

- ▶ ZERO LIQUID DISCHARGE
- ▶ CHEMICAL INDUSTRY
- ▶ SALINE INDUSTRY
- ▶ SUGAR INDUSTRY
- ▶ DAIRY INDUSTRY
- ▶ PULP INDUSTRY
- ▶ BREWING INDUSTRY
- ▶ ALCOHOL INDUSTRY AND MANY MORE...

P&I DIAGRAM



RELIABLE | LOW MAINTENANCE | DURABLE | INDIGENOUS | COST EFFICIENT



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

CONTACT US

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