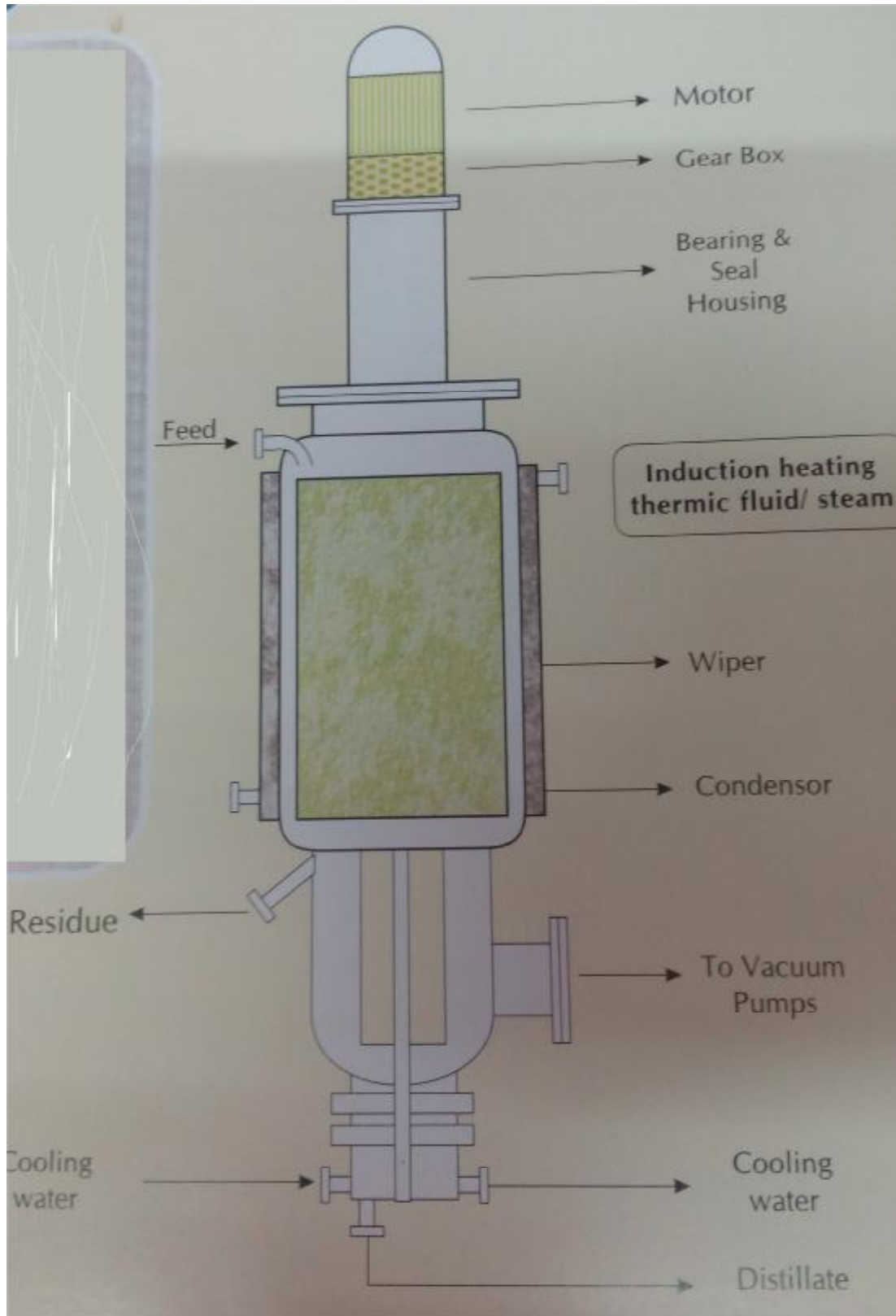


WIPE FILMED MOLECULAR DISTILLATION PLANT



ATOMIC VACUUM COMPANY (EXPORTS)

Centrifugal Molecular Distillation

Molecular Distillation Process is characterized by short residences time at the operating temperature, high heat transfer coefficient, absence of hotspots, possibility of continuous operation, low working pressures of the order of 0.001 mbar. The feed material is fed to the wiped film molecular distillation plant, a unique roller-wiper system 'wipes' this liquid on the heated evaporator. The centrally located condenser condenses the vapour, to get the required fraction condensed. Material handled in the WFMD: Vitamin A, vitamin E, Monoglycerides, insecticides, pharmaceuticals, silicone oils, perfumery and flavours, essential oils, petroleum industry including waste lube oil re-refining.

WFMD PLANTS OFFERED (SPECIFICATIONS)

Area of Evaporation, M ²	0.1	0.5	1.0	2.0	5.0	8.0
Internal Condenser, M ²	0.3	1.5	3.0	4.5	6.0	8.0
Drive motor HP	0.5	1.0	3.0	5.0	7.5	10
Total Height, Metres	0.9	2.2	2.6	3.2	4.0	6.0
Designed vacuum, torr (with D.P. /roots/ vacuum pump)	10 ⁻⁵	10 ⁻⁵	10 ⁻⁴	10 ⁻⁴	10 ⁻⁴	10 ⁻⁴

Some of our key customers are:

- B.A.R.C. Mumbai (Development)
- EID Parry Lts – chenn
- Energy Green Solution – morocco
- Xtracts – U.S.A.
- Ocean Intl Lube Refining – Jeddah, S. Arabia
- Ranjana Group of Industries, Nagpur
- Al Haddar Group of Industries – Saudi Arabia
- Ravan Sazan Atlas – Iran

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