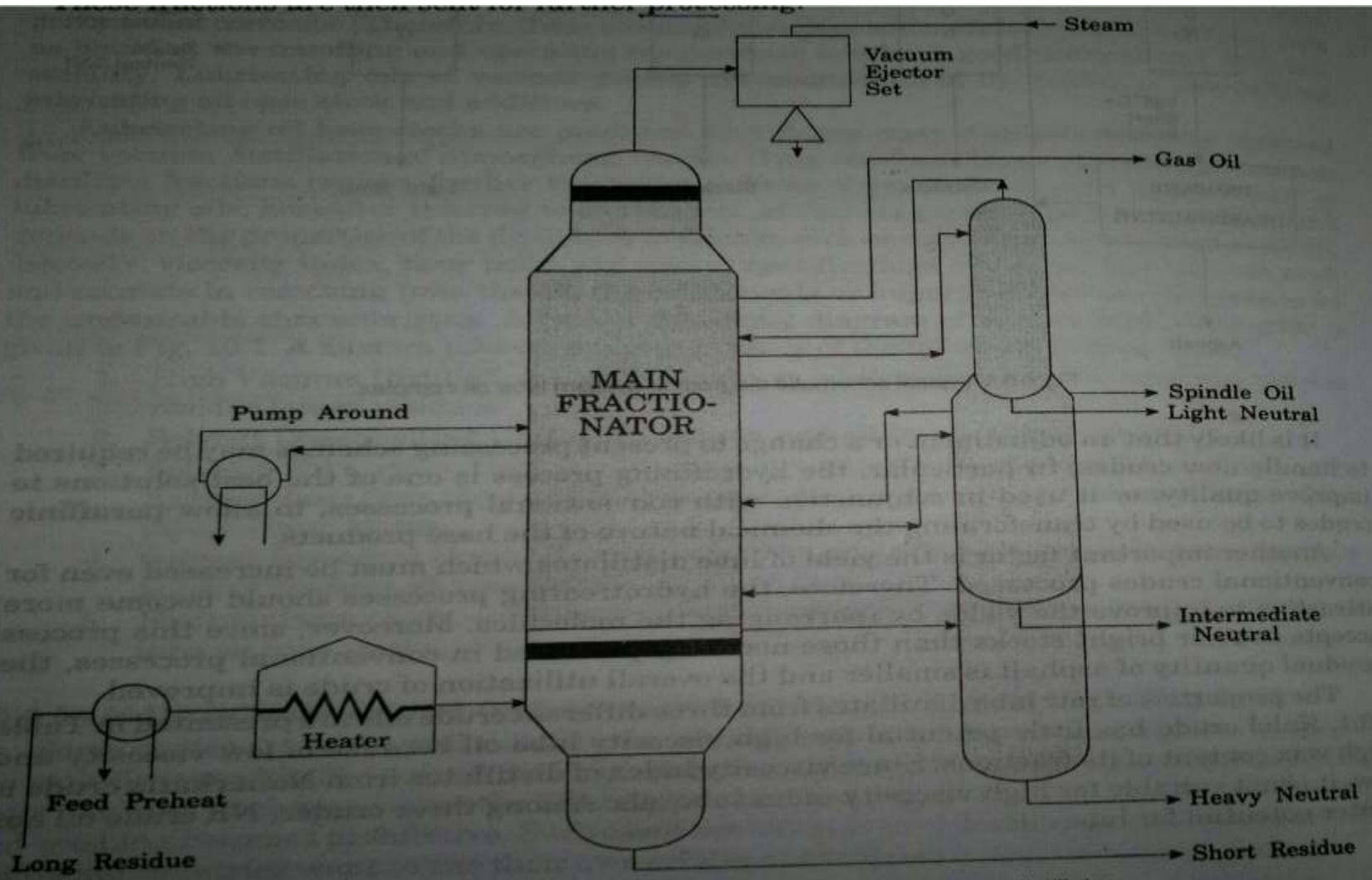


PROCESS DESCRIPTION

- Flash temperature- 390to400 °C
- Absolute pressure- 120mmHg

VACUUM DISTILLATION PROCESS FOR PRODUCING LUBE DISTILLAT

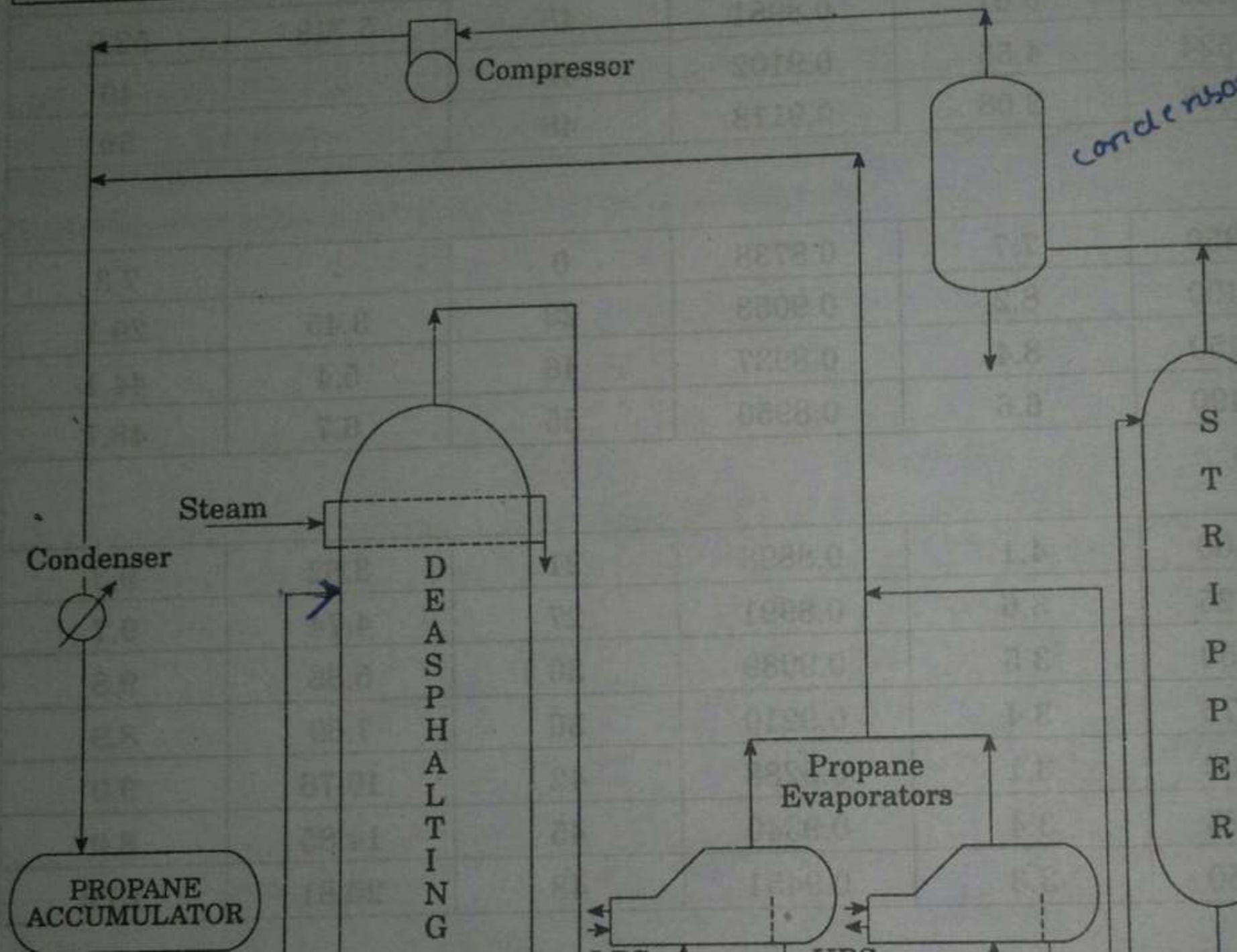


TYPICAL OPERATING CONDITIONS

- Absolute pressure at top-23mm Hg
- Absolute pressure at flash zone-100mm Hg
- Temperature at flash zone-385°C

SOLVENT DEASPHALTING PROCESS

- To remove asphalt from vacuum residues
- Produce very heavy lubricating oil



PROCESS VARIABLES

- Extraction temperature
- Extraction pressure
- Solvent to feed ratio

TYPICAL OPERATING CONDITIONS

- Extractor pressure-3.5to4MPa
- Extractor temperature at top 75to85 °C
- Extractor temperature at bottom 50to65 °C
- Solvent to feed ratio in volume 5to13

TYPICAL YIELD PATTERN

All product in weight%

- Deasphalted oil 33
- Asphalt+loss 67

Thanks