

Colloid Mill Units

High Shear Homogenization of Bitumen Emulsion



Product Characteristics

- Liquids: Bitumen / Soap
- Flow rate: 2- 6 Ton/Hr
- Viscosity: 10 -210 (cP)
- Emulsion particle size: 2 —2.5 μ

Design and Operation Conditions

- Design pressure: 5 Kg
- Design Temperature: 300°C
- Operating Suction Pressure: 1 —3 Kg
- Seal Flushing liquid: Water

Technical Specification

- Model No. RE200-2 RE400
- Tool and Housing Unit
- Tooth and chamber tools 4 rotor and 4 stator steps Tool material SS316L
- Housing ring and stator support
- Suction Flange connection 1"-4"
- Pressure Flange connection 1"- 4"
- Drainage via outflow opening; closed by plug 112' BSP a-rings material silicon

- Heating jacket housing Connecting flanges for heating medium in/out { (1/2)' - (1 ") } BSP



Sl, No.	Model No.	Flow rate (MT/Hr.)	Motor KW	Motor rpm
01.	RE-200	1-3	7.5	3000
02.	RE-250	2-6	15	
03.	RE-300	4-12	30	
04.	RE-360	5-15	45	
05.	RE-400	5-20	55	