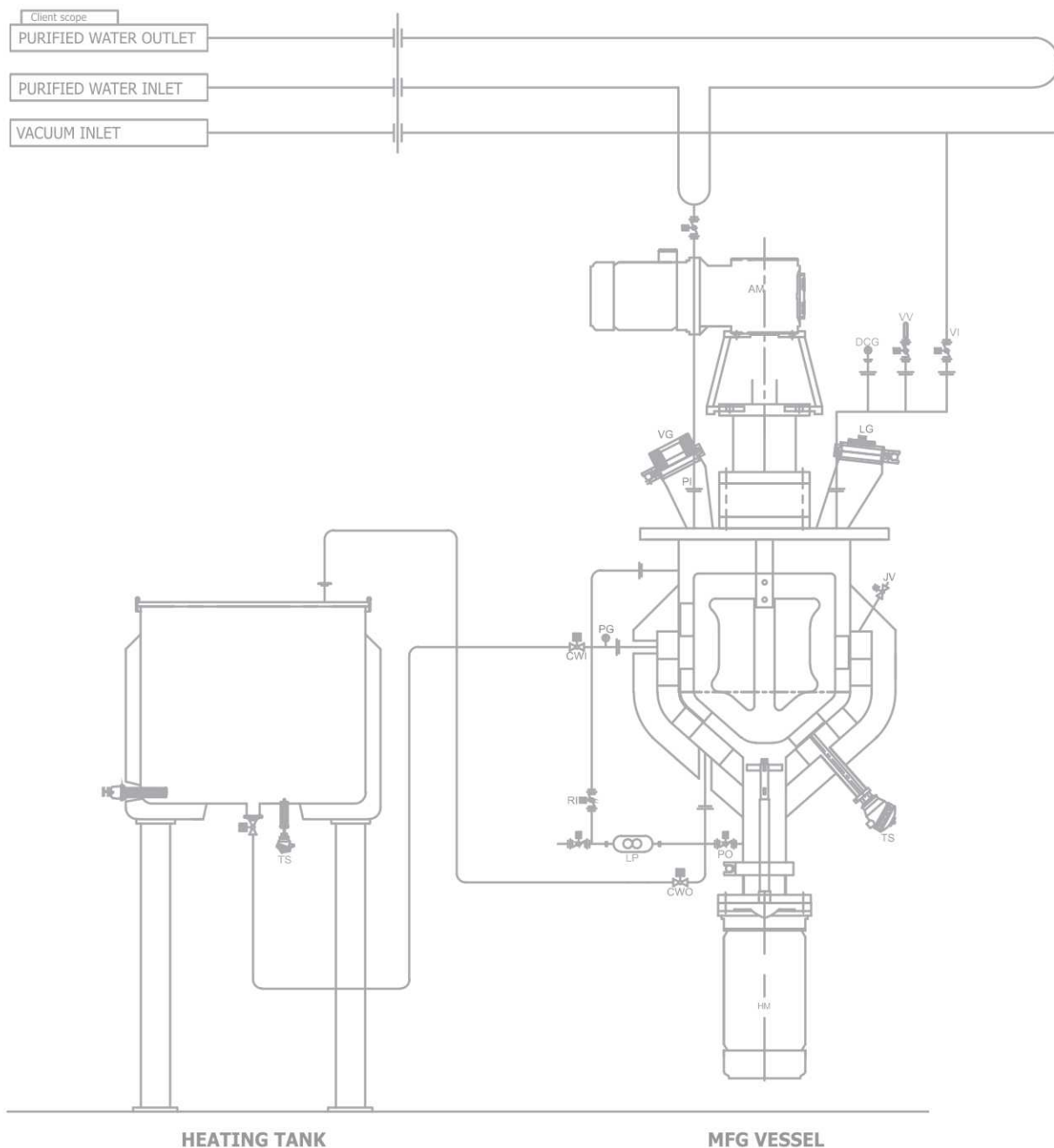


LABPROSERVE

PILOT SCALE PLANT

R&D and Laboratory Purpose for Manufacturing



The special know-how of S.k. pharma machinery consists in rationalizing simple mixing processes and in solving most complicated mixing and processing tasks. This concerns with the laboratory scale as well as with bulk production.

We have meanwhile solved numerous "impossible" mixing task together with our customers in our laboratory, where new mixing technique and procedures are continuously developed and tested in practice.

The homogenizers, turbo-dissolvers, anchor/scaper agitators, co-axial agitators, magnetic agitators etc. of S.K. Pharma Machinery are in use worldwide.



Recommended for:

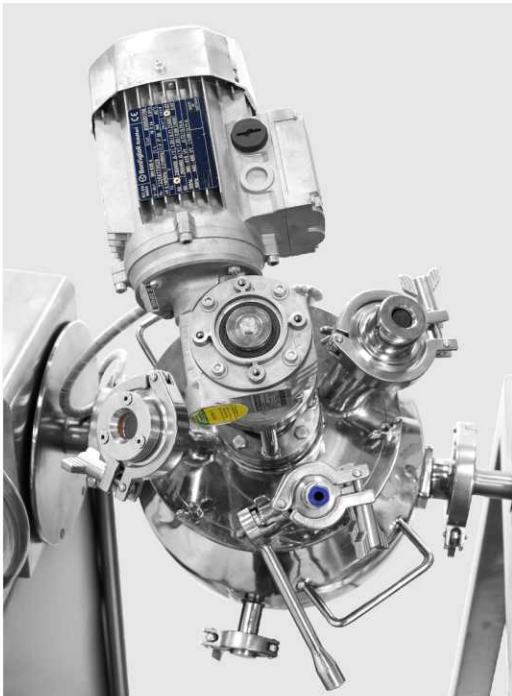
- | | |
|----------|---------------------|
| Cream | Ointments |
| Gel | Shampoo |
| Lotion | Liquid Preparations |
| Emulsion | Suspensions |

MULTIPURPOSE (R&D)



Innovations of S.K. Pharma :

- SK-homogenizer with shearing-intensive "homogenizing" mode or "pumping" mode with low shearing effect, simply achieved by the change in direction of rotation and the special geometry.
- S.K. Pharma Machinery agitators and scraper systems with vertical and horizontal mixing effect for shortest heating and cooling times.
- Integrated CIP/SIP, suitable for pharmaceutical production.
- Batch size minimum 1kg to maximum 10 kg.



Technical Features

- Heating / Cooling and insulated jackets complete with temperature control and safety equipment.
- Anchor agitator with open slot scraper design.
- Short Loop product RE-Circulation for smaller batch sizes.
- Tilting of manufacturing vessel top dish to facilitate product recovery.
- Separate pre-mix vessels for oil and aqueous phase.
- Process piping with transfer panel design for automated plants.
- Cleaning in place cycles with validation protocols.





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