



engineered systems

PRODUCT PROFILE

20 LITER MOBILE GLASS NUTSCHE FILTER WITH AGITATION

OVERVIEW

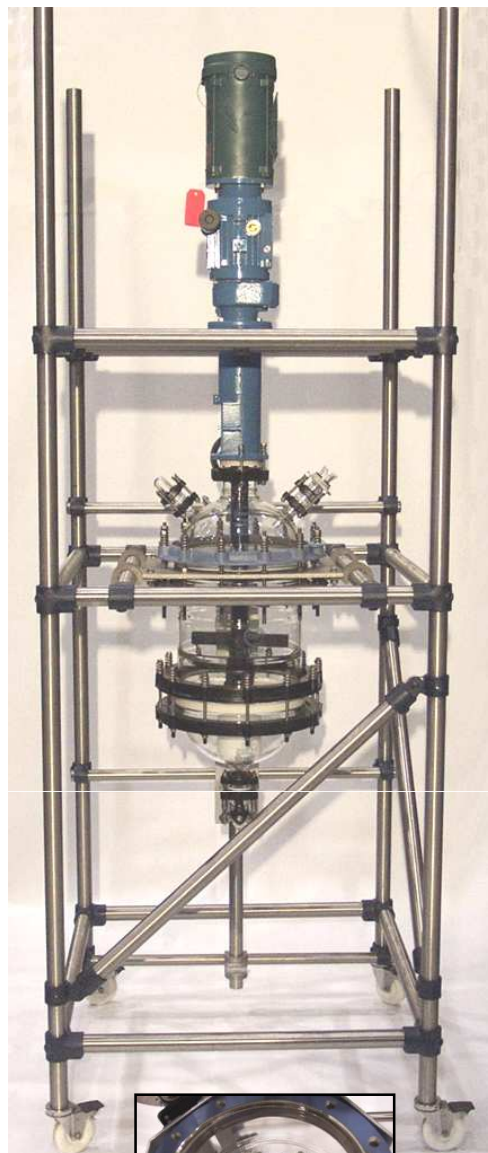
This custom designed Glass Agitated Nutsche Filter by De Dietrich Process Systems, Inc. facilitates a variety of batch vacuum filtration requirements as often encountered in kilo lab operation, chemical product development and pharmaceutical intermediate manufacturing. All process wetted parts are non-metallic, such as borosilicate glass and PTFE, thereby providing superior corrosion resistance, product purity and process visibility.

SPECIFICATIONS

System Operating Pressure Range:
1.0 barg (14.5 psig) to Full Vacuum
System Operating Temperature Range:
-20°C to +120°C
Glass Filter Body Volume: 20 liters (5.3 US Gallons)
Agitator Motor: XP, 230/460V, 1/2 Hp, 1200 rpm
Gear Reducer: 0 –100 RPM, Manual

SCOPE OF SUPPLY

- 1 x QVF Borosilicate glass filter body (300 mm diameter x 300 mm high)
- 1 x QVF Borosilicate glass reactor cover with:
 - 1 DN 80 nozzle for agitation
 - 1 DN 25 Nozzle with vent valve
 - 1 DN 25 with feed dip pipe
- 1 x QVF Borosilicate glass bottom cover with DN 40 drain / vacuum outlet
- 1 x Virgin PTFE filter support plate
- 1 x QVF agitation system
 - XP 0.5 HP motor, 1200 RPM, 230/460V/3PH/60Hz, rated for Cl.1, Div.1, Groups C&D Service.
 - Gear reducer, manual operation for nominal 0-100 RPM
 - Agitator: PTFE and PTFE-lined steel with breaker bars
 - Single acting mechanical agitator shaft seal
- Manual vessel lifting/lowering/swivel for access to cake and filter media
- Support structure constructed in Schedule 40 stainless steel pipe and PTFE-coated Kee-Klamps
- Complete engineering design package including:
 - General arrangement drawings
 - O&M documentation



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