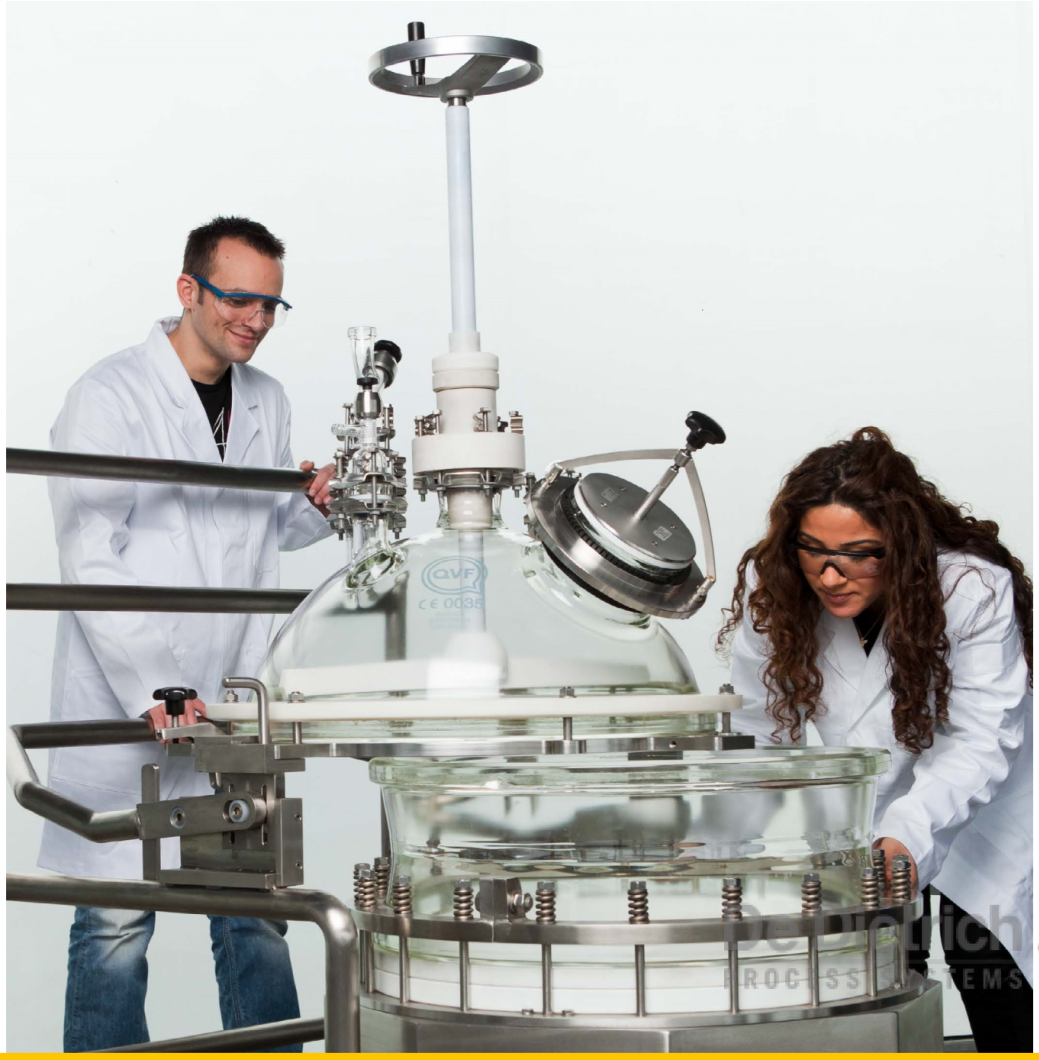


GLASS NUTSCHE FILTER

- Filling volume up to 70l -
- Minimised height to fit underneath reactors -
- Easy access to the filter cake -
- Height adjustable stirrer -
- Mobile for multi-location use -
- Corrosion and solvent resistant -



HIGHLIGHTS

- Superior technical solution
- From DN300 to DN600
- No metal in contact with the product
- Two separate movable parts
- Comfortable handling
- Easy cleaning
- Quick product collection
- Simple substitution of the filter cloth
- Connections for ventilation, nitrogen etc.
- Excellent corrosion-resistance
- Smooth, pore-free surface
- Transparency
- Catalytic inertness
- No effect on odour and taste
- Physiological acceptability

CONCEPT

The QVF®-Nutsche Filter for vacuum filtration ideally meets the special demands of R&D as well as small scale production in the Fine Chemical and Pharmaceutical industry.

The two main parts of the QVF®-Nutsche Filter system are:

- mobile filter plate

- glass cover with height adjustable blade to smooth the filter cake

With a wheel-mounted base, these components are easy to split and lift, so that the unit can be comfortably moved to different locations

FUNCTION

QVF®-Nutsche Filter with mobile vessel, shown with head cover in raised position



QVF®-Nutsche Filter



The easy detachable and mobile filtrate chamber enables quick product collection, even in a fume box.

Using vacuum during the filtration process the liquid phase will be sucked through the filter into a receiver. Nitrogen bleed through
the reactor at atmospheric pressure is possible.

Cracks and gaps within the filter cake can be closed by lowering the integrated flat blades and cranking the handwheel
to smooth the surface.

After finishing the filtration process a washing step with simultaneous agitating may be realised.
Prior to starting another filtration process the stirrer should be locked in its upper position.

The filter cake can be comfortably removed out of the filtrate chamber. The head cover is raised by means of the integrated lifting
device and the filtrate chamber swings out while the cover- fixed with bolts - remains in the mobile rack.

Producing several identical batches the QVF®-Nutsche Filter can be easily reassembled again after cleaning the sealing surface
between the filtrate chamber and cover. In the case of a product change the filtrate chamber should be cleaned after being released from
the bottom and the filter cloth can be changed out if necessary.

TECHNICAL DATA

Nominal Diameter	DN300	DN450	DN600
Filter area	0.065 m²	0.15 m²	0.27 m²
Maximum filling volume	16.5 Litre	38 Litre	70 Litre
Operating pressure	ambient (filtrate chamber) - vacuum (bottom branch)		
Operating temperature	max. 70 °C		
Cleaning temperature	temporary 130 °C		
Materials in contact with product	Borosilicate glass 3.3, PTFE, FEP. All Materials with FDA compliance certificates. Filter sheet as specified by customer.		

De Dietrich PROCESS SYSTEMS

Questions? We are here to help.

If you'd like to talk with a sales representative about purchasing De Dietrich Process Systems's products and services, you can reach us here.

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