

## AGITATED NUTSCHE FILTER

**AGITATED NUTSCHE FILTER (ANF)** is a filtration technique used in applications such as dye, paint, and pharmaceutical production and waste water treatment. Safety requirements and environmental concerns due to solvent evaporation led to the development of this type of filter wherein filtration under vacuum or pressure can be carried out in closed vessels and solids can be discharged straightaway into a dryer.

### FILTER FEATURES

A typical unit consists of a dished vessel with a perforated plate. The entire vessel can be kept at the desired temperature by using a limpet jacket, jacketed bottom dish and stirrer (blade and shaft) through which heat transfer media can flow. The vessel can be made completely leak-proof for vacuum or pressure service.



### ADVANTAGES:

- Vacuum or pressure filtration possible.
- Inert gas atmosphere can be maintained.
- Very high solvent recovery.
- Considerable saving in manpower.
- Solvents are in closed systems, so no toxic vapors are let off in the atmosphere.
- Personal safety is maintained and heat transfer surfaces can be provided to maintain filtration temperature.

Model No.	Drum Ø x L	Capacity (lit)	Agitator HP	Hydraulic cyl Ø	Power pack
ANF-10	1200 X 1000	1000	2	40	1
ANF-20	1600 X 1000	2000	3	40	1
ANF-30	1600 X 1250	3000	5	50	1.5
ANF-50	2000 X 1250	5000	7.5	50	2
ANF-100	3000 X 1500	10000	10	50	2

Note:

- \* Equipment can be customized to any required size & MOC based on your requirements
- \* Parameters are subject to change depending on the slurry

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