



# NEW LOGIC RESEARCH

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New Logic's Batch Titan® 1000 membrane coupon tester is designed to quickly test the separation capabilities of various small coupons of membranes. An assortment of membranes is provided with each Batch Titan®. Additional membranes can be purchased separately. New Logic carries over 200 types of membranes ranging from Reverse Osmosis to Microfiltration.

The Batch Titan® is filled with the test liquid and then pressurized using compressed air or nitrogen. The unit is operated at about 60-70 psi (420-490 kPa). Once air pressure is applied to the liquid solution, filtrate passes through the membrane and is discharged through a small tube at the bottom of the unit. Measurements can be taken on the water quality of the filtrate compared to the feed solution used. Flow rate comparisons can also be made between various membranes that are tested on a relative basis. This device is also useful to verify which membrane will remove turbidity and produce clear filtrate.

The test cylinder capacity is 1,000 ml (0.264 gallons). The Batch Titan® can also be used for small batch concentrations.

All of this testing can be done prior to larger scale VSEP pilot testing so that many membranes can be compared to verify proper membrane selection prior to the set up of larger VSEP equipment. For more information contact your New Logic Sales Engineer.



#### Specifications:

Capacity: 200-1000 ml  
Temperature: 5-60°C  
Maximum Pressure: 75 psi (5.3 kg/cm<sup>2</sup>)  
Wetted materials: Polypropylene, Acrylic  
Elastomers: EPDM  
Retainer Frame: Stainless Steel  
Membrane: Select from over 200 available

#### Chemical Resistance:

Do not use the following liquids -  
Strong Acid or Base solutions (pH 2-11 OK)  
Oil or hydrocarbons  
Aromatic Solvents  
(Verify chemical compatibility with NLR engineering)

Caution: Do not operate the cell or pressurize it without the retainer frame

For More Information Contact:

New Logic Research

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