



INTRODUCES...

ALL-PTFE Reactor Assembly

For Fluorine and strong alkaline compounds

To meet the needs for Fluorine and other Organic Chemists, ACE has developed a new tool, and a new version of our popular bench-scale glass filter reactors: introducing the ALL PTFE reactor assembly. This reactor can be used in fluorinated compounds and works with strong alkaline compounds where glass can't be used.

The reactor comes in three standard sizes: 250mL, 500mL and 1000mL, (other sizes maybe available on special request). The body is solid PTFE and has a separate, solid PTFE 60mm (2.44-inch) or 100mm (4-inch) O.D. head with standard taper joints, a CAPFE O-ring and a (outside) stainless steel "quick-release" clamp. It features either a #50 or #80 Ace-Thred, PTFE bottom valve/filter assembly that threads into the bottom of the reactor body. The PTFE/PEEK sealed stirrer bearing fits into the center standard taper joint, and the units have a PTFE coated stainless steel, 10mm stir shaft with a three-bladed PTFE agitator.

Optional items include PTFE condensers and addition funnels, bench stands, supports, and clamps. Overhead stir motor choices include Caframo, Heidolph, or IKA.

The reactor is available as a complete assembly or as individual components.

Contact Ace Technical Services at 800-223-4524, or on the web, for a custom quote on a reactor for your application.



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6390 REACTOR PTFE, Filter, Complete

All PTFE filter reactor. An extension of the famous ACE borosilicate glass filter reactor product line. The head, head joints, body, stir-bearing, bottom filter assembly with valve, and stir shaft with agitator are all PTFE. Even the O-Rings are PTFE encapsulated. The filter supports are polypropylene. The bottom filter assembly is either #50 or #80 Ace-Thred and threads in/out for easy capture of filtrate, or for cleaning. Unit is excellent for fluorine chemistry work as well as any work using strong alkalis where glass can't be used. Halar coated stainless steel internal coil included (in the 1 liter size) for heating or cooling the contents. Three sizes are available as standard. Other sizes are available on request. Support stand (13568 or 13550-21) and chain clamp (11079) not included. We recommend Caframo BDC2010 stir-motor (13566-05); Julabo recirculator (12254-33) for heating/cooling; and ACE/J-Kem 260T temperature controller (12318-05) with a 12-inch PTFE coated "T" temperature sensor (12318-25).

250mL Reactor

Component	Order Code
Reactor Body (A = 5.8 in.; O.D. = 3.5 in.)	6391-02
PTFE Head (60mm, 4 openings, 24/40)	12858-15
CAPFE o-ring (60mm)	7855-878
Quick Release Clamp (60mm)	6517-22
Bottom Filter Assembly (#50)	5838-83
Bottom Valve (1/4-inch/3/8-inch)	5839-42
Adapter	5844-120
Polypropylene Filter Supports (#50) (Pkg. of 12)	5814-348
Stirrer Bearing (10mm)	13443-12
PTFE Coated Stainless Steel Shaft with Agitator (10mm)	13852-10
Complete	6390-02

500mL Reactor

Component	Order Code
Reactor Body (A = 8.88 in.; O.D. = 3.5 in.)	6391-05
PTFE Head (60mm, 4 openings, 24/40)	12858-15
CAPFE o-ring (60mm)	7855-878
Quick Release Clamp (60mm)	6517-22
Bottom Filter Assembly (#50)	5838-83
Bottom Valve (1/4-inch/3/8-inch)	5839-42
Adapter	5844-120
Polypropylene Filter Supports (#50) (Pkg. of 12)	5814-348
Stirrer Bearing (10mm)	13443-12
PTFE Coated Stainless Steel Shaft with Agitator (10mm)	13852-10
Complete	6390-05

1000mL Reactor

Component	Order Code
Reactor Body (A = 7.84 in.; O.D. = 4.33 in.)	6391-10
PTFE Head (100mm, 7 openings, 5x24/40, 2x#7)	12860-12
CAPFE o-ring (100mm)	7855-880
Quick Release Clamp (100mm)	6517-25
Bottom Filter Assembly (#80)	5857-86
Bottom Valve (1/4-inch/3/8-inch)	5839-42
Adapter	5844-120
Polypropylene Filter Supports (#80) (Pkg. of 12)	5814-350
Stirrer Bearing (10mm)	13443-12
PTFE Coated Stainless Steel Shaft with Agitator (10mm)	13852-15
Halar Coated Heating Coil	12069-06
Complete	6390-10

6390

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