

**OP-6700
HEATER BLOCK ADAPTER,
CENTRIFUGAL VACUUM
EVAPORATOR BLOCKS**

**Ordering
Information:
1-800-843-1794**



Opti-Therm™
is a Trademark
of Chemglass, Inc.



OptiTherm™ Heater Block adapter is designed to fit all hot plate stirrers with a 135mm diameter top plate. Lower edge of block covers side of top plate and prevents block from slipping, allowing for safe heating of your Chemglass or Genevac® blocks. The innovative Teflon shield on the heating block keeps the exterior surface area at a temperature that is safe to touch. For example, the Teflon shield would be approximately 80°C on vials heated to 180°C.

Part Number	Description	Price
OP-6700-01	Heater Block Adapter	385.50*

- **User Safety: Teflon Shield Prevents Potential Burns And Provides A Safe Contact Area**
- **Fits All 135mm Diameter Round Hot Plate Stirrers**
- **Aluminum Construction Provides Excellent Heat Transfer And Does Not Interfere With The Magnetic Field**
- **Great Visibility Of The Reaction**
- **Excellent Heat Distribution**
- **Thermowell Is Provided For Insertion Of A Contact Thermometer Or PT100 Sensor**

* Not subject to discount
Genevac® is a registered trademark of Genevac Ltd.

**OP-6600
BLOCKS FOR CENTRIFUGAL
VACUUM EVAPORATOR**



FLAT BOTTOM VIALS:

Part Number	Vial Type & Capacity	Vial Dimensions OD x Height (mm)	# Of Positions	Price
OP-6600-03	HPLC	12 x 32	48	136.10*
OP-6600-05	1 Dram (4mL)	15 x 45	24	136.10*
OP-6600-07	2 Dram (8mL)	17 x 60	24	136.10*
OP-6600-09	4 Dram (16mL)	21 x 70	15	136.10*
OP-6600-11	20 & 30mL Scintillation	28 x 57 & 28 x 70	11	136.10*
OP-6600-12	40 & 60mL Scintillation	28 x 70 & 28 x 95	11	174.71*

HAYSTACK SAMPLE STORAGE VIALS:

Part Number	Vial Dimensions OD (mm)	# Of Positions	Price
OP-6600-18	14	24	136.10*

MICROWAVE VIALS:

Part Number	Vial Type & Capacity	Vial Dimensions OD x Height (mm)	# Of Positions	Price
OP-6600-20	0.5-2mL Tapered	16 x 83	24	174.71*
OP-6600-21	2-5mL Round Bottom	16 x 83	24	174.71*
OP-6600-22	10-20mL Round Bottom	28 x 83	8	174.71*

ROUND BOTTOM TUBES:

Part Number	Tube Dimensions OD x Height (mm)	# Of Positions	Price
OP-6600-30	10 x 75	70	136.10*
OP-6600-34	12 x 75	40	136.10*
OP-6600-36	13 x 100	24	174.71*
OP-6600-38	16 x 100	24	174.71*
OP-6600-40	18 x 100	24	174.71*
OP-6600-42	25 x 100	12	174.71*

*NOT SUBJECT TO DISCOUNT

01/09



**PARALLEL
PURIFICATION
TOWER**



Vial and tube holders for use in centrifugal vacuum evaporators. Blocks are designed to not only maximize evaporation but also to minimize the weight of the block, thereby increasing sample volumes.

Constructed of aluminum, each block is black hard coated for resistance to organic solvents and laser etched with the vial/tube size.

**PLEASE NOTE:
BLOCKS LISTED IN GREEN
ARE A TWO TIER DESIGN.**

PLEASE NOTE: HEATER BLOCK ADAPTER IS DESIGNED FOR USE WITH ALL OP-6600 CENTRIFUGAL VACUUM EVAPORATOR BLOCKS.



OPTI-CHEM PARALLEL PURIFICATION TOWER

The Opti-Chem Personal Parallel Purification System puts purification and work-up in the hands of every synthetic chemist with fast and reliable results.

Designed to match the requirements of drug discovery applications, a variety of Opti-Chem micro titer plate footprint collection blocks holding standard vials and tubes are available. These blocks are compatible with all centrifugal vacuum evaporators that use this common footprint, making going from purification to evaporation a snap.

The Opti-Chem Personal Parallel Purification Tower is constructed from high quality, inert materials allowing all common solvents and buffers to be used with standard filtration, SPE1, SS-LLE2 and silica packed columns.

FEATURES & BENEFITS

- Single or dual column stacking plates allows for expedient purification or workup
- Positive pressure manifold helps to increase solvent flow rates or to dry columns for solvent switching
- Accommodates 11, 15, 24 OptiChem Blocks
- 10mL tab-less packed columns available for high throughput purification & workup



- 4.5mL & 10mL packed tabless columns

- Easy to use chemically resistant positive pressure manifold

COLUMN INFORMATION:

25um Non-Packed Filtration Columns

- Removal of solid-supported reagents from reactions
- Recovery of solids (products, by-products, etc) from reaction mixtures
- Removal of solids prior to SPE or column purification to prevent column plugging
- Easily packed with drying agents to remove water from compounds or reaction mixtures prior to concentration or flash chromatography

Silica Gel

- Used for separating non-polar or very polar impurities from moderately polar products
- Excellent for quick removal of very polar reagents or impurities before final column purification

DE(Diatomaceous Earth)³

- Used for liquid-liquid extractions by retaining the aqueous phase first on the column then passing a non-water miscible organic solvent (either more or less dense) containing the reaction mixture through the column
- Used for removing water from quenched reactions
- Greatly reduces emulsion formation during extractions
- Excellent for simultaneous acidic and basic extractions when used in stacked mode

NOTE:

Custom packings available (C18, SAX, SCX, etc). Contact Chemglass for additional details.

Footnotes:

1. SPE = solid-phase extraction

2. SS-LLE= solid supported liquid-liquid extraction

3. DE (Diatomaceous Earth)
Diatomaceous earth is an inert material with a high surface area and high capacity for aqueous adsorption. This makes it an exceptional medium for solid supported liquid-liquid extraction with additional advantages such as:

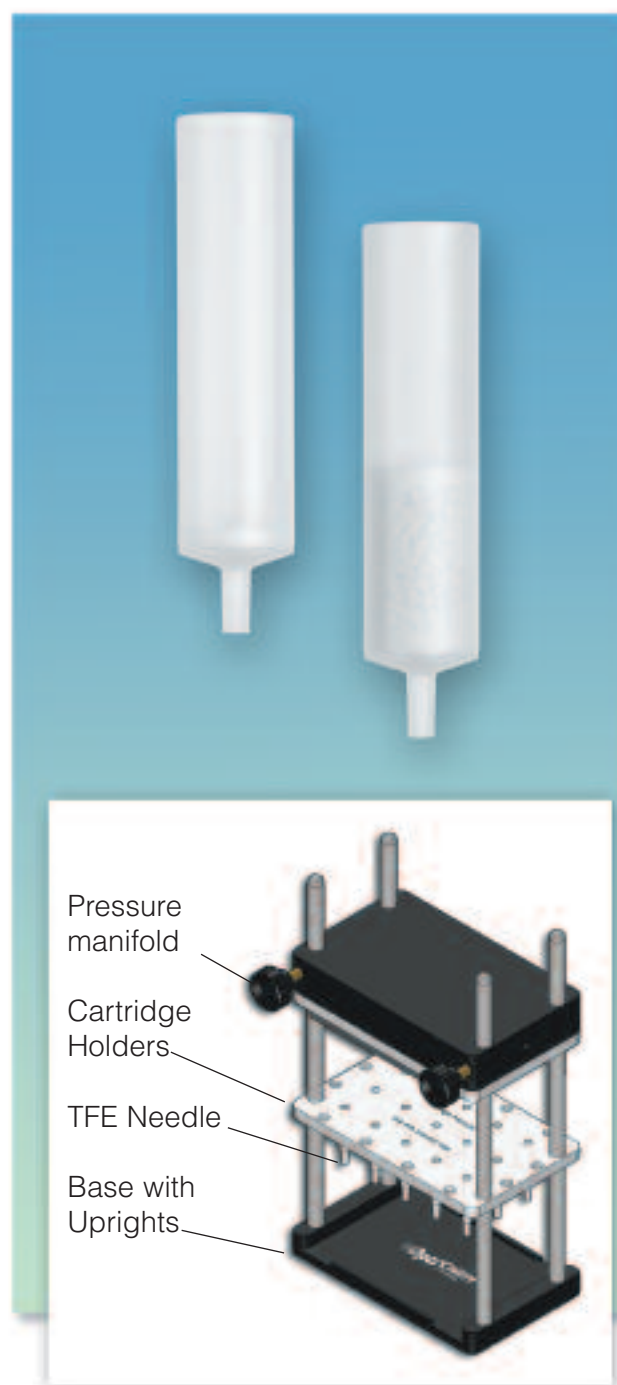
- * No emulsion formation
- * No separatory funnels or glassware to clean
- * No need to add drying agents after extraction

- * Multiple column stacking for fast sample processing
- * Higher reproducibility than standard liquid/liquid extraction
- * Use existing liquid/liquid extraction methods
- * Easy to automate

The aqueous phase is added to the column to allow absorption onto the diatomaceous earth then the organic solvent mixture is added allowing the organic phase (lighter or heavier than water) to run through the column. The high surface area at the interface between the organic and aqueous phases increases efficiency and eliminates the possibility of emulsion formation. Further elution with more

solvent elutes the organic compounds and the aqueous phase is retained on the column for disposal. Multiple columns with different aqueous phases can be stacked for faster throughput. Pressure or vacuum is not needed, as this will cause the aqueous layer to break through the frit.

For phase separation techniques, pass the aqueous and organic solvent mixture through the column to partition the layers. The organic layer will pass through the column with the aqueous being absorbed onto the diatomaceous earth media allowing for easy disposal.



OP-6601

PARALLEL PURIFICATION TOWER

11 Position Parallel Purification Tower, to consist of the following:

- 2 ea. OP-6601-10 Cartridge Holder, 11 Position
- 2 pks. OP-6601-50 TFE Needles, 12 per pk.
- 1 ea. OP-6601-01 Base with Upright

Part Number: OP-6601-100Price: \$525.00*

(NOTE: Positive Pressure Manifold is not included in the above kit and must be ordered separately)

15 Position Parallel Purification Tower, to consist of the following:

- 2 ea. OP-6601-11 Cartridge Holder, 15 Position
- 3 pks. OP-6601-50 TFE Needles, 12 per pk.
- 1 ea. OP-6601-01 Base with Uprights

Part Number: OP-6601-102Price: \$590.00*

(NOTE: Positive Pressure Manifold is not included in the above kit and must be ordered separately)

24 Position Parallel Purification Tower, to consist of the following:

- 2 ea. OP-6601-12 Cartridge Holder, 24 Position
- 4 pks. OP-6601-50 TFE Needles, 12 per pk.
- 1 ea. OP-6601-01 Base with Uprights

Part Number: OP-6601-104Price: \$650.00*

(NOTE: Positive Pressure Manifold is not included in the above kit and must be ordered separately)

REPLACEMENT COMPONENTS:

Part Number	Description	Price
OP-6601-10	Cartridge Holder, 11 Position, without TFE Needles	80.00*
OP-6601-11	Cartridge Holder, 15 Position, without TFE Needles	80.00*
OP-6601-12	Cartridge Holder, 24 Position, without TFE Needles	80.00*
OP-6601-50	TFE Needle, package of 12	70.00*
OP-6601-01	Base with Uprights ONLY	235.00*

Optional Positive Pressure Manifolds:

NOTE: Manifolds are supplied complete with the corresponding rubber gasket, and the required amount of TFE needles.

Replacement needles and gaskets are also available separately.

Part Number	Description	Price
OP-6601-02	Pressure Manifold, 11 Position	335.00*
OP-6601-03	Pressure Manifold, 15 Position	363.00*
OP-6601-04	Pressure Manifold, 24 Position	425.00*
OP-6601-60	Rubber Gasket, 11 Position	12.00*
OP-6601-61	Rubber Gasket, 15 Position	12.00*
OP-6601-62	Rubber Gasket, 24 Position	12.00*

Cartridges:

Part Number	Description	Price
OP-6601-80	SPE Cartridge, Un-Packed with Frit, pk. of 100	75.00
OP-6601-81	SPE Cartridge, 1000mg Silica, pk. of 24	108.00
OP-6601-82	SPE Cartridge, 1000mg Diatomaceous Earth, pk. of 24	108.00

* Not subject to discount.