

# CONDENSERS

## High Capacity, Double and Triple Coil

Ace Glass high through-put, high-capacity double- and triple-coil condensers. These condensers are specially designed for pilot plants and larger reactors where larger cooling areas are needed, or for higher temperature reactions where more through-put is needed.



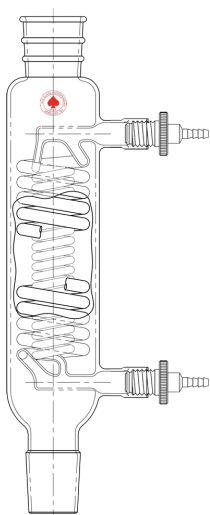
### Condenser *High Capacity, Triple Coil* ★

This new design gives even higher through-put than the double coil or any rotary evaporator condenser with three internal cooling coils. Designed also for pilot plants and larger reactors where a lot of cooling area is needed for condensing, or for higher temperature reactions where more through-put is needed. Comes with #15 Ace-Thred ports with Ace-Safe connections. Top and bottom connections are 2" beaded pipe. Overall length is approximately 460mm and O.D. is approximately 110mm.

| Coil Length,<br>mm | Condensing<br>Area, cm <sup>2</sup> | Joint Type   | <i>Glass only</i> | <i>Complete</i> |
|--------------------|-------------------------------------|--------------|-------------------|-----------------|
|                    |                                     |              | Order<br>Code     | Order<br>Code   |
| 220                | 1600                                | 2" Bead Pipe | <b>6017-210</b>   | <b>6017-212</b> |

#### Replacement Connector

|  |                |
|--|----------------|
| Ace-Thred Connector, #15 to 3/8" tubing, polypropylene | <b>5853-23</b> |
|--|----------------|



### Condenser *High Capacity, Double Coil* ★

High through-put double coil condensers are made for larger systems and reactors, especially pilot plants, to handle larger scale reactions. These are also similar to rotary evaporator type condensers where a lot of material is being condensed at a higher temperature and where large amounts of cooling water are needed to generate higher efficiency. The unit can be ordered with standard taper joints or beaded pipe end connections. The overall length is approximately 390mm and O.D. is approximately 85-90mm. Both units have #15 Ace-Thred connections for Ace-Safe hose connections. Supplied with full Ace Safe connections.

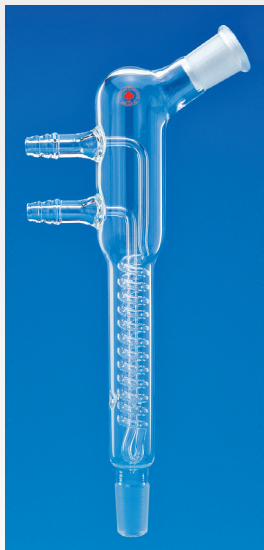
| Jacket Length,<br>mm | Condensing<br>Area, cm <sup>2</sup> | Joint Type   | <i>Complete</i> |
|----------------------|-------------------------------------|--------------|-----------------|
|                      |                                     |              | Order<br>Code   |
| 315                  | 1480                                | 1" Bead Pipe | <b>6015-12</b>  |
| 290                  | 1400                                | 45/50        | <b>6015-17</b>  |

#### Replacement Connector

|  |                |
|--|----------------|
| Ace-Thred Connector, #15 to 3/8" tubing, polypropylene | <b>5853-23</b> |
|--|----------------|

## ...Also Available

# Reflux Condensers



### Condenser *Reflux, Spiral* ♠

This compact spiral coil style condenser has a tightly wrapped coil for maximum cooling. Excellent for use with high vapor pressure solvents. Jacket length approximately 100mm, overall height approximately 210mm. 75° angle top 1/4" outer joint, 1/4" inner bottom joint. Size C hose connections. Other joint sizes available.

| 1/4" Joints | Jacket Length, mm | Hose Connection, in  | Qty | Order Code |
|-------------|-------------------|----------------------|-----|------------|
| 14/20       | 100               | 5/16 or 3/8 (Size C) | 1   | 6040-02    |
| 24/40       | 100               | 5/16 or 3/8 (Size C) | 1   | 6040-04    |



### Condenser *Reflux, Bulb, Drip-Tip* ♠

New style, compact, high-output reflux condenser, has an inner double wall, thimble-shape internal bulb. Overall height is approximately 210mm, but has the output equal to condensers with twice the length. Unit has 1/4" outer top joint and 1/4" drip-tip inner joint bottom. Top and bottom hose connections size D, for 3/8" tubing. Other joint sizes available.

| 1/4" Joints | Hose Connection, in | Qty | Order Code |
|-------------|---------------------|-----|------------|
| 14/20       | 3/8 (Size D)        | 1   | 6042-02    |
| 24/40       | 3/8 (Size D)        | 1   | 6042-04    |
| 29/42       | 3/8 (Size D)        | 1   | 6042-06    |
| 29/32       | 3/8 (Size D)        | 1   | 6042-08    |
| 45/50       | 3/8 (Size D)        | 1   | 6042-10    |
| 14/23       | 3/8 (Size D)        | 1   | 6042-114   |
| 24/29       | 3/8 (Size D)        | 1   | 6042-124   |



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