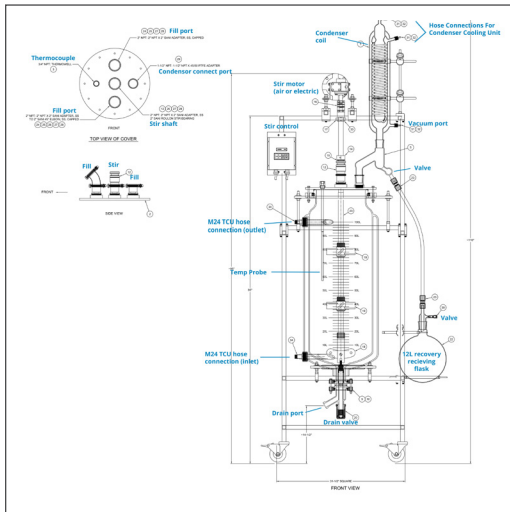


# 50L & 100L DECARB REACTOR PACKAGES



**HEAT.  
STIR.  
VACUUM.  
SIMULTANEOUSLY!**



Cascade Sciences' offers 50L and 100L Decarb Reactor Packages that are ideal for efficiently decarbing large volumes of crude prior to distillation.

## FEATURES

**Prevent Breakage** - Stainless steel reactor top

**Complete Coverage** - Top/middle/bottom PTFE stir blades

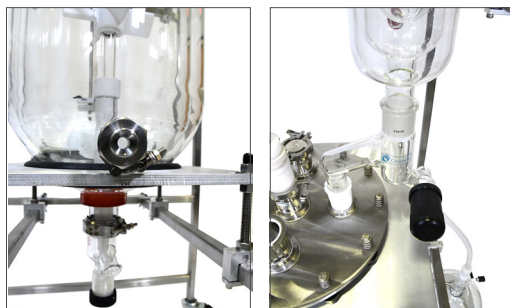
**Easy Mobility** - Steel, mobile frame with locking casters

**Highest Quality** -

- USA Borosilicate Glass Jacketed Reactors
- Huber Temp Control
- Agilent Oil-Free Vacuum Pump
- NRTL certified
- Optional Professional Installation (additional cost)

**Packages Include** -

- Large condensing coil with 12L receiving flask to capture solvents with optional cooling system
- All temp control fluid, hoses, connection hardware
- Virtual Installation Support



**HUBER CC-315B**  
50L REACTOR



**HUBER UNISTAT T305**  
100L REACTOR



**AGILENT IDP7 VACUUM PUMP**



**HUBER MINICHILL 600**  
(OPTIONAL)  
COOLING - COIL CONDENSOR

# SPECIFICATIONS

| MODEL  | 50L REACTOR              | 100L REACTOR              |
|--|--------------------------|---------------------------|
| <b>Part No: (Electric Motor)</b>                               | 50L-DCARB-Pkg-E          | 100L-DCARB-Pkg-E          |
| <b>Part No: (Air Motor)</b>                                    | 50L-DCARB-Pkg-A          | 100L-DCARB-Pkg-A          |
| <b>Footprint Reactor in Frame, Motor</b>                       | 31.5"W x 86"H x 34"D     | 31.5"W x 95"H x 34"D      |
| <b>Footprint Reactor, Condensor, Flask</b>                     | 76"W x 100"H x 34"D      | 76"W x 110"H x 34"D       |
| <b>Footprint Mobile Cart</b>                                   | 24"W x 34"H x 26"D       | 24"W x 34"H x 26"D        |
| <b>GLASS JACKETED REACTOR -60°C to 200°C</b>                   |                          |                           |
| <b>Glass Specification</b>                                     | Borosilicate 3.3         | Borosilicate 3.3          |
| <b>Jacket Capacity</b>   | 17L                      | 30L                       |
| <b>Max Jacket Pressure</b>                                     | 7.25PSI (.5 Bar)         | 7.25PSI (.5 Bar)          |
| <b>Coil Condensor</b>  | 4.15ft2 (cubed)          | 4.15ft2 (cubed)           |
| <b>Receiving Flask</b>   | 12L                      | 12L                       |
| <b>Drain Port Ground Clearance</b>                             | 18.5"                    | 14.5"                     |
| <b>STIR: PTFE TOP/MIDDLE/BOTTOM BLADES</b>                     |                          |                           |
| <b>Leeson Controller AC Variable</b>                           | Model 174998             | Model 174998              |
| <b>Electric Motor Option</b>                                   | 1725 RPM (60Hz), 0.5HP   | 1725 RPM (60Hz), 0.5HP    |
| <b>Electric Motor Power</b>                                    | 120V / 1ph / 9.2AMP NEMA | 120V / 1ph / 9.2AMP NEMA  |
| <b>Air Motor Option GAST 1AM-NRV</b>                           | 3/4HP, 350RPM            | 3/4HP, 350RPM             |
| <b>Max Air Consumption</b>                                     | 21 CFM                   | 21 CFM                    |
| <b>Compliance</b>  | UL, CSA, NEMA            | UL, CSA, NEMA             |
| <b>HUBER TEMP CONTROL</b>                                      | <b>CC-315B</b>           | <b>UniStat T305</b>       |
| <b>Mobile Cart, Fluid, Connections Included</b>                |                          |                           |
| <b>Temperature Range</b>                                       | +28°C to +300°C          | 65°C to 300°C             |
| <b>Included Fluid</b>  | 35L                      | 35L                       |
| <b>Allow for Expansion</b>                                     | 2.5L (0.66 gal)          | Expands to 2.8L (.74 gal) |
| <b>Fill Volume Min</b>   | 11.5L (3.04 gal)         | 1.9L (0.5 gal)            |
| <b>Power</b>   | 230V/1ph/16AMP           | 208V/3ph/15.5AMP          |
| <b>Compliance</b>  | NRTL                     | NRTL                      |
| <b>AGILENT IDP7 VACUUM PUMP, 5.4 CFM (152L Min) / 20 mTorr</b> |                          |                           |
| <b>Mobile Cart, Connections Included</b>                       |                          |                           |
| <b>Power</b>   | 120V / 1ph/ 6AMP         | 120V / 1ph/ 6AMP          |
| <b>Compliance</b>  | NRTL                     | NRTL                      |
| <b>OPTIONAL COOLING - COIL CONDENSOR</b>                       | <b>MiniChill 600</b>     | <b>MiniChill 600</b>      |
| <b>Mobile Cart, Fluid, Connections Included</b>                |                          |                           |
| <b>Temperature Range</b>                                       | -20°C to 40°C            | -20°C to 40°C             |
| <b>Fill Volume Min</b>   | 2.8L (0.74 gal)          | 2.8L (0.74 gal)           |
| <b>Expansion Volume</b>  | 2.2L (0.58 gal)          | 2.2L (0.58 gal)           |
| <b>Power</b>   | 115V / 1ph / 8.5AMP      | 115V / 1ph / 8.5AMP       |
| <b>Compliance</b>  | NRTL                     | NRTL                      |

### YOU MAY ALSO LIKE

### DRY & DECARB OVENS

Ideal for CO<sub>2</sub> Extractions



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## FACILITIES

### 50L

Circuit #1 = 120V / 1ph / 20A for Agilent IDP7 Pump (6AMP) + Stir Motor (9.2AMP)  
Circuit #2 = 230V / 1ph / 20A for Huber CC-315B (14AMP)  
Optional 115V / 1ph / 20A for Condenser Cooling, Huber Minichill 600 (8.5AMP)

### 100L

Circuit #1 = 120V / 1ph / 20A for Agilent IDP7 Pump (6AMP) + Stir Motor (9.2AMP)  
Circuit #2 = 208V / 3ph / 20A or Huber Unistat T305 (15.5AMP)  
Optional 115V / 1ph / 20A for Condenser Cooling, Huber Minichill 600 (8.5AMP)

**PROFESSIONAL INSTALLATION & TRAINING AVAILABLE**