



## CARR® Centritech Separation Systems CARR® UniFuge® Pilot



### Features

- Single-use module
- No CIP or SIP necessary
- Fully automated
- High cell recovery rates
- Mammalian and insect cell processing
- Integrated trolley
- Intuitive software
- Low shear processing
- Minimal reduction in viability of recovered cells
- State-of-the-art manufacturing facility in Clearwater, FL, USA
- PLC with color touch screen

# CARR®Centritech Separation Systems CARR® UniFuge® Pilot

Pneumatic Scale Angelus' CARR Centritech's UniFuge Pilot uses a gamma irradiated, single-use module that requires NO CIP and NO SIP. All process contact surfaces are easy to install and are 100% replaceable after each run.

Low shear harvesting of mammalian and insect cells is possible, and minimal reduction in viability of recovered cells is achievable. Since the cells are not lysed, production of cell debris in the centrifuge is minimized, making the UniFuge Pilot an excellent choice for both cell recovery or centrate clarification.

UniFuge modules are readily tube welded to your single-use bioreactor connections. (Customer-specified single-use connectors are available upon request.)

The UniFuge Pilot is completely automated, with flexible cycle parameter entry. The feed suspension is gently pumped to the module and the cells settle to the outer radius while the clear supernatant is continuously discharged. Once the module has filled with cells, the controller stops the rotor and discharges the cells. This cycle is repeated until the bioreactor volume has been processed.

## Utility Requirements

<i>Power Configurations:</i>	120/230 VAC, 50/60 Hz 1Ph 10A
<i>Optional:</i>	120 VAC 50/60 Hz 1Ph 20A
<i>Pneumatic:</i>	10 SCPH, 80-100 PSI 5,5-6,9 Bar

## Construction

<i>Process Wetted Parts:</i>	USP Class VI Polycarbonate USP Class VI Polyurethane USP Class VI Silicone USP Class VI Bioprene USP Class VI C-Flex USP Class VI Polypropylene Terminally Gamma Irradiated
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## Dimensions

<i>Trolley:</i>	24" W x 39 L" W x 46" H 61 cm x 99 cm x 117 cm
<i>Weight:</i>	640 lbs (291kg) Total

## Operating Specifications

<i>Feed Flow Range:</i>	1-4 LPM (higher flow rates may be achieved, based on application)
<i>Bowl Capacity:</i>	0.8 or 1.7 liters
<i>G-Force:</i>	300xg-3600xg

For more information, please contact :

**CellD**  
20bis, rue du Chapitre  
F-30150 ROQUEMAURE  
Tel : +33 (0)4 66 82 82 60  
Fax : +33 (0)4 66 90 21 10  
Email : [contact-info@celld.com](mailto:contact-info@celld.com) [www.celld.com](http://www.celld.com)

