

CARR® UniFuge® Pilot CARR® Centritech Separation Systems



Key Features

- Single-use disposable 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, Fla., USA

CARR® UniFuge® Pilot

CARR® Centritech Separation Systems

CARR Centritech's new UniFuge® from PneumaticScaleAngelus utilizes 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® 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 available upon request.) The UniFuge® 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

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

■ Construction

Process Wetted Parts:	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
-----------------------	---

■ Dimensions

Trolley:	24" W x 39 L" W x 46" H 61 cm x 99 cm x 117 cm
----------	---

Weight:	640 lbs (291kg) Total
---------	-----------------------

■ Operating Specifications

Feed Flow Range:	1-6 LPM
Bowl Capacity:	1.7 liters
G-Force:	300 x g - 4000 x g



For more information, please contact your CARR Centritech representative at:

5320 140th Avenue North Clearwater, FL 33760 USA
(727) 535-4100

UniFuge@PSAngelus.com

Otto-Hahn-Strasse 54 D-63303 Dreieich-Sprendlingen Germany
(+49) 6103 380 990

USA | AUSTRALIA | BELGIUM | CANADA | HONG KONG | UNITED KINGDOM