

PowerFuge® Pilot

The CARR Biosystems' PowerFuge® Pilot design is an imperforate tubular-bowl centrifuge, which provides high separating forces for liquid-solid separation with manual removal of solids.

The design helps reduce the time required for maintenance, particularly since there are few parts to replace. When you're at the end of a run, compressed solids are easily removed with minimal time and effort using a hand scraper contoured to fit the 1L capacity bowl.

Typical applications include:

- E. coli whole cell harvest, lysate removal and inclusion bodies
- P. pastoris clarification
- Specialty chemicals, including aluminum flake and carbon black
- XP and solvent separations, including ethanol, ethyl acetate and similar fluids.

Features

- Complete liquid/solid separations
- Drier solids, clearer centrate
- Simple operation, table-top design
- Integrated Cooling Jacket
- Fully scalable to larger automated P6, P12, & P18 models
- Designs available for:
 - CE Marking
 - Steam-In-Place (ASME/PED Rated)
 - Hazardous Environments

Operating Parameters

Variable Speeds	up to 20,000 x g (opt'l 30,000 x g)
Max. Processing Rate	up to 1L/min*
Max. Bowl Speed	15,325 RPM
Max. Solids Bulk Density	<1.5 g/ml
Bowl Volume	1.1 L

*Processing speeds are application-dependent and may vary.

**Weights and dimensions dependent on system configuration and options required.



Equipment Specifications

- 316L SST, Ti-6Al-4V Titanium alloy, EPDM, Platinum cured silicone process contact materials
- System footprint (approx.): 91cm wide x 61cm deep x 76cm high (36" x 24" x 30")**
- System weight (approx.): 91-113 kg / 200-250 lbs.**

Utility Requirements

- 120V/60Hz (US) or 230V/50Hz (EU)