



Powerfuge® P12



Features

- Drier solids and clear liquids
- Sealed automatic operation
- Full CIP/SIP designs
- cGMP construction
- Designs available for ASME-rated boundary, hazardous locations and aseptic operations
- State-of-the-art manufacturing facility located in Clearwater, Florida USA

Powerfuge® P12

PneumaticScaleAngelus' unique Powerfuge® P12 System provides continuous flow two-phase separation of solids and liquids at rates up to 500 liters per hour for batches up to 4,000 liters. Using an innovative design, the feed is introduced through a stationary pipe and accelerated to full rotational speed before entering the titanium-alloy bowl. In this system, centrifugal forces as 20,000g permit separation of even sub-micron particles. Compressed solids are periodically removed with a fully automated scraping cycle. After the solids have been discharged, automated CIP/SIP cycles can be performed via the PLC controlled operating sequence.

The Powerfuge® P12 is designed for ease operation, with seal feed and drain lines allowing for aerosol-free operation. Similarly, no special tools are required to disassemble the system. Integrated turnkey systems incorporating feed delivery options, CIP and SIP skids, temperature control, and closed-loop centrate pumping under vacuum are available.

The Powerfuge® P12 system meets cGMP and CE requirements and has been validated to meet chemical and pharmaceutical industry protocols. The P12 is engineered to optimize ease of operation while maximizing throughput; each step in the process can be readily automated so that the time spent on routine maintenance can be minimized.

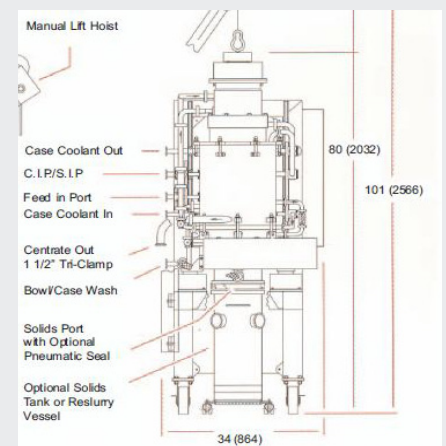
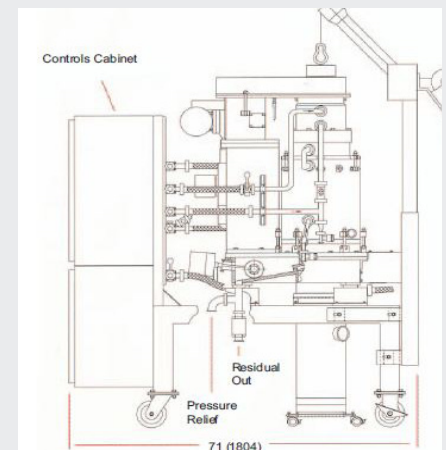
For more information, please contact us at:

BioProcess Engineering Services Ltd

+44 (0) 1795 859 470

info@bioprocess-eng.co.uk

www.bioprocess-eng.co.uk



PneumaticScaleAngelus

4485 Allen Road
Stow, OH 44224 USA

t. +1 (330) 923-0491
psangelus.com

barry wehmiller
bw
betterworld