



## Powerfuge® P18



### 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® P18

PneumaticScaleAngelus' unique Powerfuge® P18 System provides continuous-flow two-phase separation of solids and liquids at rates up to 1,700 liters per hour for batches up to 10,000 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 great 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 P18 is designed for ease of 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® P18 system meets cGMP and CE requirements and has been validated to meet chemical and pharmaceutical industry protocols. The P18 is engineered to optimize ease of operation while maximizing throughput; each step in the process can be readily automated so that time spent on routine maintenance can be minimized.

For more information, please contact us at:

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