

Centrifuge Dewatering Systems

Strong American-made centrifuges for
efficient liquid/solid separation.



b & p B&P PROCESS
EQUIPMENT

Strong Innovation • Strong Value • Strong Choice

Customer-Driven design offers high performance and long equipment life

A world leader in liquids processing and mixing with roots tracing to 1889, B&P Process introduces an innovative line of horizontal centrifuge dewatering systems. These systems were designed for maximum efficiency and uptime in wastewater treatment, ethanol processing, and other applications that benefit from an extremely dry waste cake.

The business benefits of a B&P Solution

Minimized downstream processing requirements for reduced costs

B&P's line of dewatering centrifuges produce a waste cake that's 15-20% dryer than competitive systems including belt filter presses. The benefit to you? A dryer cake requires less subsequent processing, reduces disposal costs, and streamlines your operation.

Designed for uptime to maximize your investment

B&P has a long, proven heritage of designing large-scale industrial equipment. Our systems are intended to operate most efficiently at very high throughput levels. And when preventive maintenance or repair is needed, our easy access and intelligent design features make servicing your unit and returning it to production quick and easy.

Flexibility to meet your processing requirements

Whether your application is a new facility, or an existing installation, B&P can configure a system to meet your specific program needs. Our standard systems are easily configured to meet your physical, process stream, and space requirements – quickly and cost-effectively.



Cartridge style feed-zone bolts in place and simplifies field replacement without the need to rebalance the conveyor. The feedzone also offers integrated wear inserts with B&P's new wear coating to increase longevity.



360° solids discharge ports maximize the discharge area. Also includes replaceable wear liners with B&P's new wear coating to increase longevity.



Touch-screen control panel. All peripheral equipment is controlled through this single panel.



Key features make the difference

Innovative cartridge feed zone

A key feature of field serviceability, B&P's cartridge feed zone simplifies maintenance and replacement by eliminating the need to rebalance the scroll when the cartridge feed zone is replaced, minimizing downtime and reducing service costs.

Advanced control technologies

B&P offers a wide range of the latest control technologies to integrate with almost any process system in your facility, from discrete controls to the latest PLC-based solutions. We also offer an optional bearing-life monitor that prevents costly breakdowns by anticipating preventive maintenance needs.

Unique three-piece cover design

Unlike competing systems which require you to remove the entire cover, B&P's three-piece design affords easy access to the rotating assembly to adjust pool depth and inspect discharge wear liners.

Rugged wear-coating

To ensure maximum component life, B&P has developed an advanced, proprietary wear-coating which not only extends the service life, but also provides added impact resistance.

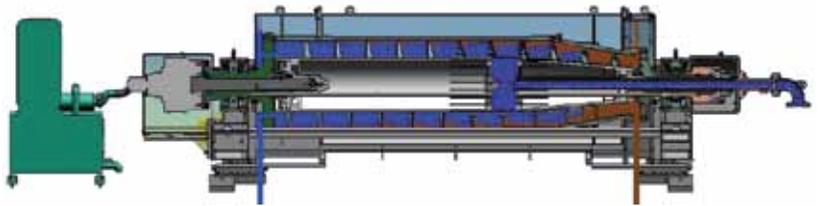
Hydraulic backdrive

The hydraulic backdrive enables solids loading capacities 20-30% higher than conventional planetary gearbox systems. This system also delivers benefits in high-torque shutdowns to free plugging in the bowl.

Very high G-force potential

Our centrifuge decanters are capable of up to 3,700 G's at a maximum loading capacity of up to 295,000 in/lbs. For hard separation applications, this high capacity offers a real-world processing advantage.

Key Specifications			
	355-2P	535-2P	735-2P
Flow rate			
m ³ /hr	9-25	17-56	35-102
gpm	40-110	90-245	150-450
Main drive			
Kw	22.4-45	56-93.5	112-225
Hp	30-60	75-125	150-300
G-force	3,100	3,500	3,700
Length			
mm	2,794	5,461	6,350
in	110	215	250
Width			
mm	712	1397	1,780
in	28	55	70
Height			
mm	762	1219	1,525
in	30	48	60
Weight			
Kg	1,360	6,124	11,612
Lb	3,000	13,500	25,600



B&P's Decanter Centrifuge Technology offers unparalleled separation performance while simplifying service and maintenance.

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Over a century of mixing and separation processing power

B&P Process Equipment traces its heritage to the 1889 founding of Baker Perkins – a leader in batch mixers and other specialized industrial equipment. In 1937, Baker Perkins began production of pusher centrifuges for separation of coarse solids from free-draining crystalline slurries. This design was quickly recognized by the industry as the optimal configuration for efficiency and a long operating life.

Since those early days, B&P has continued to add to its line of batch and continuous mixing systems, as well as separation systems in a wide range of configurations. In 1996, B&P Process Equipment was created from the core of Baker Perkins and the APV Chemical division.

In 2000, our Houston facility began rebuilding a wide range of separation systems for municipal wastewater and other applications. Since that time, we've performed rebuilds on virtually every competitive system – and we've put that knowledge to use in the design of our own systems.

The hallmark of the B&P name is core expertise in the design, manufacture, and delivery of large-scale mixing and separation systems that meet the industry's most rigorous demands. For over 100 years, that's been our focus.



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B&P Process Equipment

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