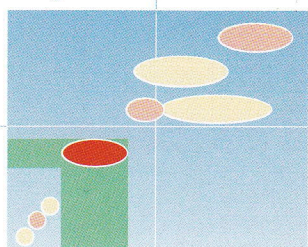


Solids-handling
system

Peripheral



Pilot

Production
scale

BTPX 205 – The pilot plant centrifuge with full-scale production capability

High-speed, solids-ejecting disc-stack centrifuge for continuous operation in pilot plants and small scale production.

Continuous operation.

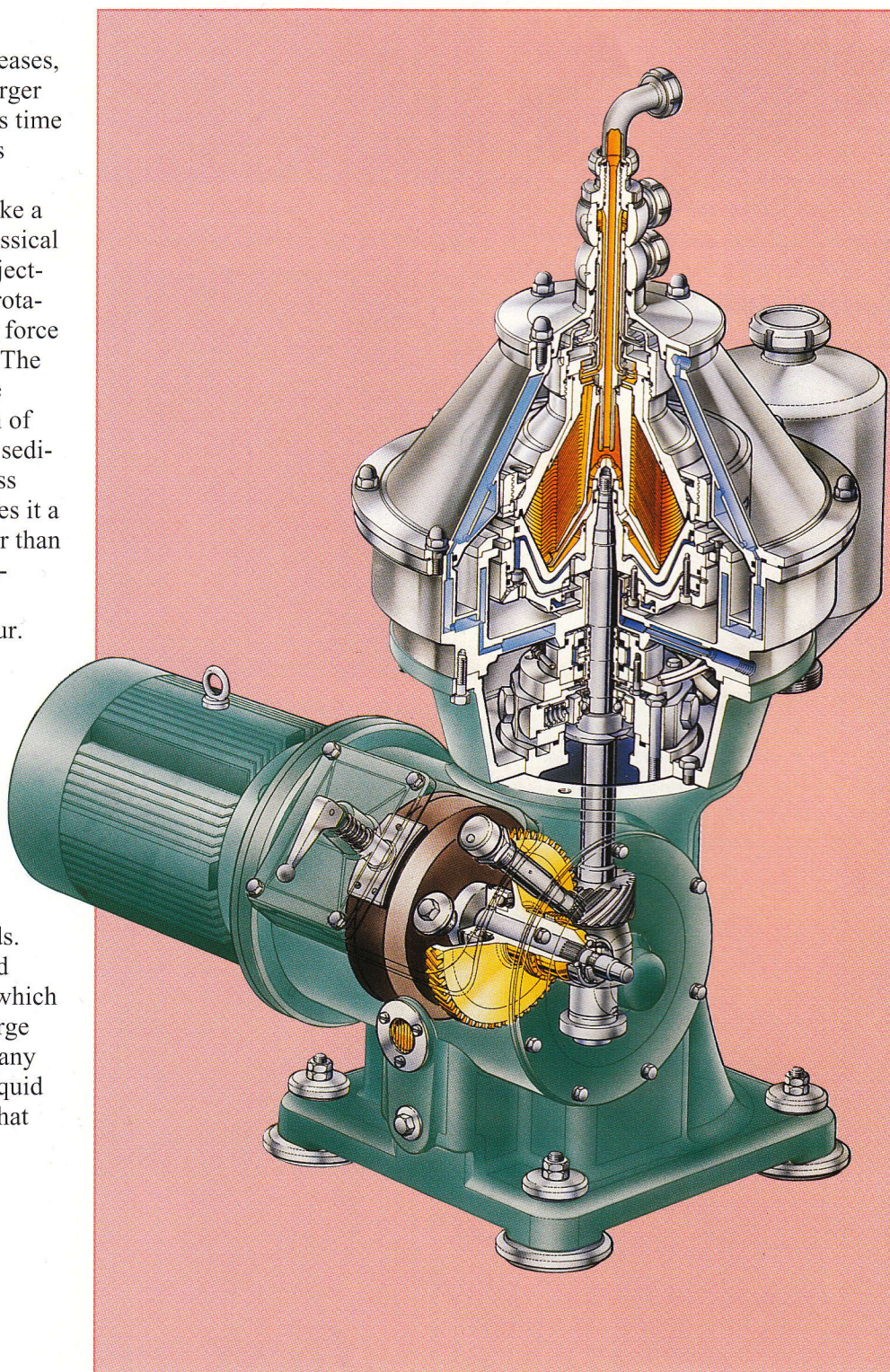
When production volume increases, or when you want to try out larger scale pilot operations, then it is time to think in terms of continuous operation with the BTPX 205.

What we have done is to take a scaled down version of the classical high-speed disc-stack solids-ejecting separator and increase its rotational speed to give the high g force required in biotech processes. The bowl generates 12,800 g at the periphery, but the introduction of the disc-stack has reduced the sedimentation distance down to less than one millimeter which gives it a separation capability far higher than a comparable hollow bowl machine, even at its maximum capacity of 1,200 litres per hour.

High efficiency discharge system.

High rpm and g force can pack down separated solids into a compact mass. It is therefore very important that the discharge system can handle these hard packed solids.

BTPX 205 has the so-called dosing ring discharge system which has a very fast, distinct discharge action which easily breaks up any compacted cake, giving low liquid loss and hence ejected solids that are drier than usual.



Applications

General pilot-scale
Cell and cell debris separation in
the production of rDNA products
such as

- growth hormones
- growth factors
- hormones
- other proteins
- mammalian cells

Basic data

Max. hydraulic capacity	1.2 m ³ /h
Motor size	6.5 kW
G-force	12,800

Net weight, centrifuge with motor	585 kg
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Perfect for pilot plants.

The small size but high performance of the BTPX 205 makes it an ideal machine for pilot plant operation. The design is exceptionally hygienic, it can be steam sterilised to 121°C, and has all the necessary mechanical features to allow it to be incorporated into a fully contained system. The built in paring

disc means that you do not have to install separate transfer pumps.

It can be supplied in either standard or explosion-protected execution, or as a complete, totally contained, plug-in module. Cooling jackets surrounding the bowl give efficient temperature control and also contribute to the low noise level.

Small size, high efficiency.