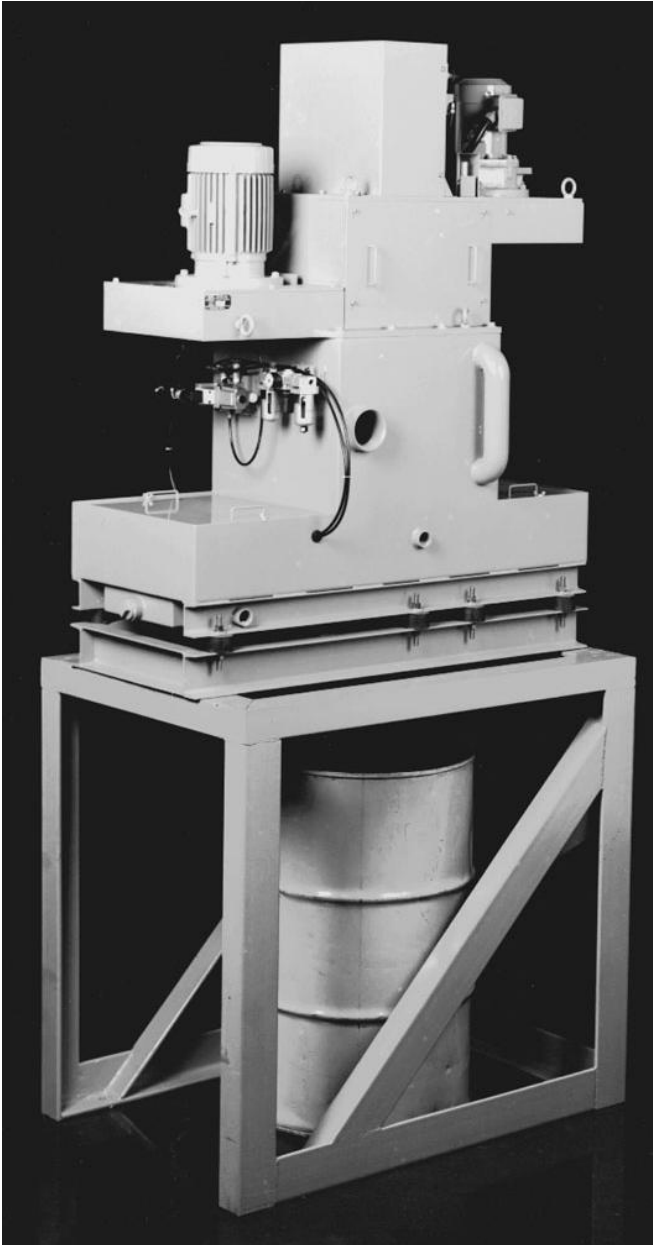


AUTOMATIC INDUSTRIAL CENTRIFUGES PROVEN FOR INDUSTRIAL FLUID APPLICATIONS



Metalworking Coolants
Glass, Crystal, Ceramics
Cutting, drawing, quench oils
Vibratory Deburring
Parts washers
Paint Sludge
Water jet cutting
Prefilter for UF, DE

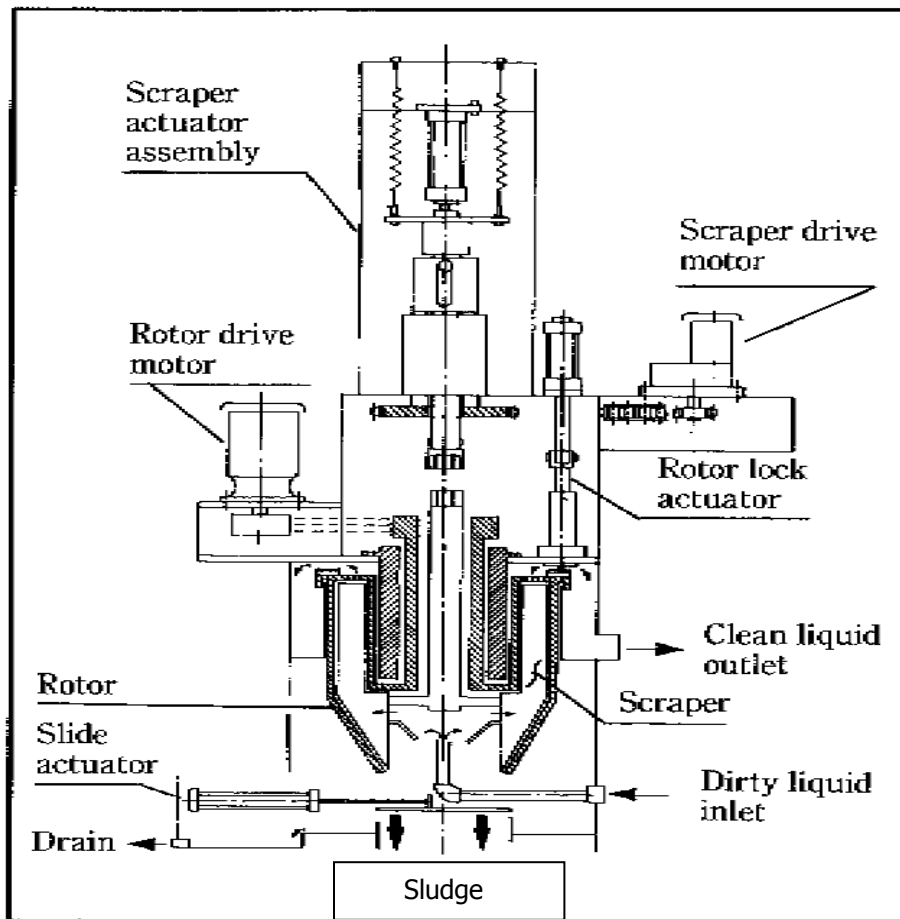
Microseparators® are liquid solid separators ideally suited to hard packing, abrasive, or sticky substances that have proven difficult to handle with conventional separators, media filters, or filter presses.

Microseparator® is a highly proven and robust design suited to harsh industrial environments. Standard frames are 304 SS, suitable for water base fluids. Rotors are aluminum, specially treated to resist wear or corrosion, optional 304 SS rotors are available. Drives are a high grade steel alloy with sealed precision bearings for long life. Standard controls are Nema 12, UL certified, as well they can be custom built to meet plant specifications.

Available in the following models:

Model	Max Flow Rate	Rotor Volume
CF 65 G	17 gpm	1.75 gal
CF 105 G	25 gpm	3.75 gal
CF 125 G & GX	45 gpm	3.75 gal
CF 155 G & GX	50 gpm	6.00 gal
CF 175 GX	75 gpm	6.00 gal

Control packages are available in relay logic or PLC with choice of processor, touch screen operator interface, and variable frequency drive. UL Certified, IEC, or NEMA grade components.



Working Principle

Process liquid is fed from below into the spinning rotor where solids are separated and deposited at the perimeter of the rotor and centrifugally compacted. The clarified liquid overflows at the top of the rotor into the frame and returns to the process tank by gravity. At regular intervals, set by an adjustable timer, the centrifuge is stopped for the cleaning cycle. Liquid in the rotor is drained and the compacted sludge is scraped from the rotor by two heavy scraper blades through the open bottom of the rotor into a sludge hopper. The scraper blades rotate slowly during the cleaning cycle as the rotor is held in a fixed position by a locking device. The Microseparator® automatically restarts and normal operation resumes until the next cleaning cycle.

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