

SIMCO Liquid / Solids Separators



DL-275XL Automatic Centrifuge - state-of-the-art solids removal system

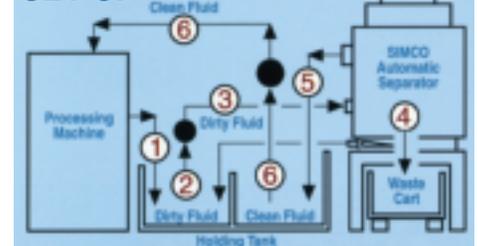
Suspended solids removal is critical to efficient production, part quality and economical waste disposal for manufacturing and processing lines.

While other methods for solids removal are available, centrifugation is the most efficient, cost-effective way to separate solids from liquids. And the SIMCO Variable Gravity-Force Separator centrifuge system from Glassline Corporation provides the best in high quality, state-of-the-art automatic and manual centrifuge technology.

SIMCO separator systems are simply the best value on the market. Our fully automatic (XL) models are truly AUTOMATIC. Controlled by a Program Logic Controller, not a timer or other limited mechanical device – our PLC system controls speed automatically and variably for the most efficient solids removal.

Glassline can provide a SIMCO liquid/solids separator tailored to your application, meeting your specific processing needs.

TYPICAL CENTRIFUGE SET UP



1. Dirty fluid enters a holding tank sump.
2. Fluid is pumped from the tank.
3. Dirty fluid enters the SIMCO separator for centrifugation.
4. Removed solids are ejected to a waste cart or drum.
5. Clean fluid is returned to a holding tank.
6. Clean fluid is pumped to the machine.

SIMCO

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SPECIFICATIONS

Automatic Models	DL-175	DD-275*/DL-275
Length (A)	56"/1550 mm	66"/1675 mm
Width (B)	50"/1270 mm	50"/1270 mm
Height (C)	39"/990 mm	39"/990 mm
Height (D)	98"/2490 mm	101"/2565 mm
Inlet Height (E)	56"/1422 mm	56"/1422 mm
Outlet Height (F)	59"/1500 mm	59"/1500 mm
Overflow Drain (G)	52"/1321 mm	52"/1321 mm
Weight	1320 lbs./600 kg	1760 lbs./800 kg
Process Capacity	40 gpm/175 lpm	70 gpm/275 lpm

Manual Models	CL-50	CL-80
Length (A)	26"/660 mm	32"/812 mm
Width (B)	15"/381 mm	20"/508 mm
Height (C)	20"/508 mm	23"/584 mm
Inlet Height (D)	20"/508 mm	23"/584 mm
Outlet Height (E)	14"/356 mm	16"/406 mm
Weight	176 lbs./80 kg	352"/160 mm
Process Capacity	10 gpm/40 lpm	25 gpm/97 lpm
Sludge Volume	430 cu. in./1090 ccm	740 cu. in./1880 ccm

*Patented Direct Drive System

KEY FEATURES

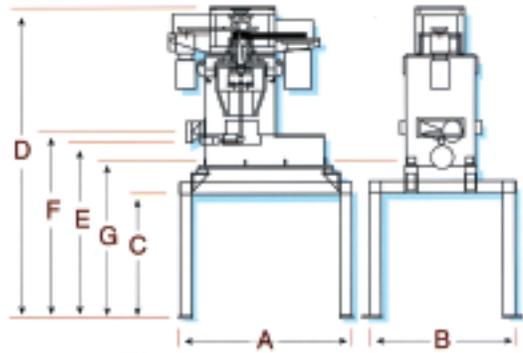
- ▶ All SIMCO separators help eliminate costly plumbing repairs - solids not properly removed from the process solids can build-up and hinder the effectiveness of piping (see sample image to right)
- ▶ Automatic Models Feature
 - Load Sensing – automatically triggers and actuates solids discharge
 - Bottomless Cabinet Design – enables easy clean-up, good housekeeping
 - Inverted Bowl Design – places bearings and drive mechanisms at the top of the machine, preventing processing fluids from entering bearings or drive mechanism
 - Built-in Internal Plow Blades – provide automatic bottom discharging, and an attendant free, stand-alone unit
- ▶ Manual models – built for easy operator use, and incorporate our unique flexible bowl liner



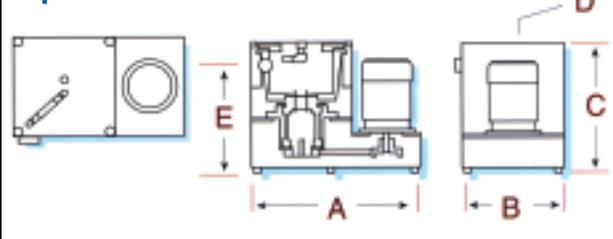
TYPICAL APPLICATIONS

- ▶ Grinding Swarf – Automotive, Flat Glass and Optical
- ▶ Coolant Recovery
 - Tumbling, de-burring, milling, turning, grinding general machining, wire drawing, rod mill processing, etc.
 - Ceramics, stone, silicon slicing, marble and stone cutting and polishing
- ▶ Wash / Waste Water Recovery – parts washing, phosphate baths, rinse water, abrasive cleaning, etc.
- ▶ Dielectric Fluids used in EDM machining, or etching
- ▶ Circuit Board Plating

Specifications for Automatic Models



Specifications for Manual Models



SIMCO
A Division of Glassline Corporation

28905 Glenwood Road • P.O. Box 147
Perrysburg, OH 43552-0147
Phone: 419.666.5942
Fax: 419.666.1549
E-mail: sales@glassline.com

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