

Auto-Vac[®] Filter

A self-contained dewatering system that filters industrial sludges down to ½ micron.

The Auto-Vac Filter separates sludges into solids and water which can be typically disposed in sewers or recycled. Pre-piped, pre-wired and skid mounted, the Auto-Vac is easily added to any manufacturing or processing facility.



As water is vacuumed through a filter aid media, solids accumulate on the filter drum's surface. A variable speed knife advances, removing the solids from the drum's surface with lathe-like precision. The solids simply fall off into a standard dumpster.



Alar Engineering, Inc.

Pollution Control Systems & Equipment

The Auto-Vac is ideal for cleaning up waste streams from:

- ▶ **Concrete Water Recycling**
 - *Ready Mixed Reclaim Gray Water
 - *Pre-Cast Slurry Water & Pigments
 - *Block Saw & Grinding
 - *Core Drilling
- ▶ **Stone Water Recycling**
 - *Interior & Architectural
- ▶ **Coatings**
 - *Latex Paint/Powder
- ▶ **Metal Plating & Finishing**
- ▶ **Chemical Processing**
- ▶ **Food & Dairy Wastewater**
- ▶ **Greasetrap & Septic Haulers**
- ▶ **Glass**
- ▶ **Industrial Waste Haulers**

...as well as wash waters from numerous other applications

The Auto-Vac dewateres sludges generated by:

- ▶ DAF Sludge
- ▶ Clarifier Sludge
- ▶ Digester Sludge
- ▶ Wet Scrubbers
- ▶ Flocculators
- ▶ Chemical Precipitation Systems
- ▶ Paint Spray Booths

Functionality, Versatility & Utility

- ▶ Filters down to ½ micron (.0005mm)
- ▶ Reduces volume of dry solids by 95% for easy disposal
- ▶ Operator-friendly
- ▶ Available in both manual and automatic configurations
- ▶ Self-contained for easy installation

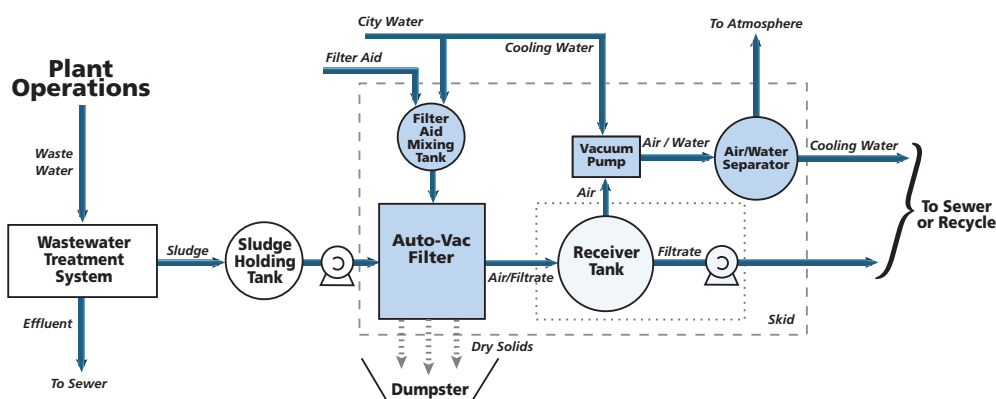
plus... Every Alar product is backed by over 35 years of support from our extensive in-house engineering and chemistry departments. As your wastewater needs change, Alar will be there to support you and offer the latest solutions.



The Alar Auto-Vac Filter is a self-contained dewatering system for a variety of water-based sludges. It economically separates sludge into solid waste and water clean enough to be disposed in sewers or re-used within your plant.

Auto-Vac Operation

Typical flow diagram of the Auto-Vac Filter dewatering sludge as part of a wastewater treatment system



Auto-Vac Models

Alar Model Number	Drum Diameter (in ft)	Drum Length (in ft)	Normal Filtering Area (Sq Ft)	Overall Filter Skid Size (WxL)	Overall Aux. Skid Size (WxL)	Maximum Height	Estimated Shipping Weights (lbs.)	Total Connected Horsepower
110	1	1	3.1	4' 2" x 8' 1"	--	6'-0"	1,900	4
210	2	1	6.2	6' 2" x 8' 0"	--	7'-1"	2,800	6
220	2	2	12.6	6' 2" x 9' 0"	--	7'-1"	3,000	7
230	2	3	18.8	6' 2" x 10' 9"	--	7'-1"	3,200	9
240	2	4	25.1	7' 11" x 11' 11"	--	7'-3"	3,400	11
330	3	3	28.3	8' 7" x 11' 3"	--	7'-10"	5,300	13
340	3	4	37.7	8' 7" x 12' 7"	--	8'-4"	5,500	13
360	3	6	56.5	9' 0" x 16' 8"	--	8'-0"	6,200	20
640	6	4	75.4	9' 8" x 9' 9"	7'0" x 13'0"	8'-6"	9,200	33
650	6	5	94.2	9' 8" x 11' 8"	7'0" x 13'0"	9'-0"	10,310	48
660	6	6	113	9' 8" x 12' 8"	7'0" x 13'0"	9'-0"	11,400	48
690	6	9	170	9' 9" x 16' 2"	8'0" x 18'0"	10'-4"	14,800	69
6120	6	12	226	9' 9" x 19' 3"	8'0" x 18'0"	11'-0"	15,000	99
8120	8	12	302	11' 11" x 17' 3"	8'6" x 25'0"	10'-6"	23,500	99
8160	8	16	402	12' 6" x 23' 4"	8'0" x 29'10"	11'-7"	25,500	140
8200	8	20	503	12' 6" x 27' 4"	8'0" x 29'10"	11'-7"	27,500	140



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