

TORO

Count on it.

Aqua-Clear™

Fiberglass Sand Filters

Micro-Irrigation

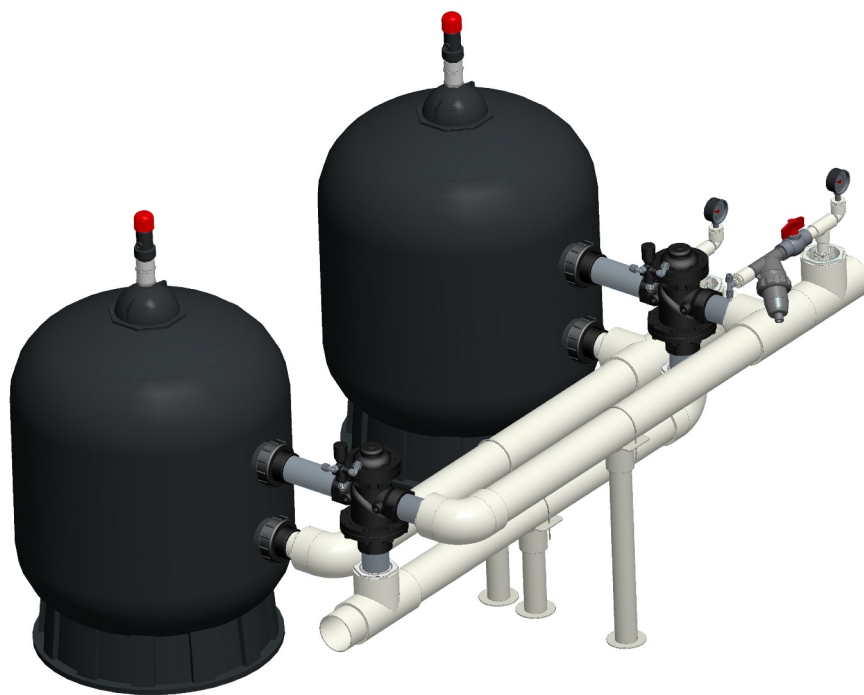


Application:

Designed for drip irrigation systems operating up to 75 psi and 400 gpm, the Aqua-Clear fiberglass sand media filter is ideal for small to medium sized fields. Corrosion-resistant and lightweight fiberglass construction enables a quick and easy set up without the need for heavy equipment. And the automatic or manual valves enable easy backflushing when the filter gets dirty.

Features and Benefits:

- One-piece, fiberglass reinforced tank with a UV-resistant coating for years of dependable, corrosion-resistant service
- 75 psi pressure rating on all tank sizes
- Can be installed as a single or multiple tank system
- Proven internal design ensures that all water receives thorough filtration
- Highly efficient backwash ensures long run times between backwashing cycles, saving labor, water and fertilizer
- Wide opening at the top of the filter allows easy access to sand bed
- Uses #20 crushed silica sand as media for 200 mesh filtration
- See operating manual for instructions on assembly & operation



Sizing Recommendations†

Flow (gpm)	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400
Filter Quantity x Tank Size	2 x 18"		2 x 24"		3 x 24"			3 x 30"			3 x 36"				

† This table shows the filter recommendations for moderately dirty water. Always size the filter station for water flow at the maximum crop demand and the time of year when the water source is the most dirty.

If your water source is heavily contaminated at some point in the irrigation season, consider selecting the next size filter system.

Automated Filter Systems

	Solenoid Type	Part Number			
		18" Tank	24" Tank	30" Tank	36" Tank
2x Filter System	DCL	ACS-218-12VDCL	ACS-224-12VDCL	ACS-230-12VDCL	ACS-236-12VDCL
	AC	ACS-218-24VAC	ACS-224-24VAC	ACS-230-24VAC	ACS-236-24VAC
1x Filter Expansion*	DCL	ACX-118-12VDCL	ACX-124-12VDCL	ACX-130-12VDCL	ACX-136-12VDCL
	AC	ACX-118-24VAC	ACX-124-24VAC	ACX-130-24VAC	ACX-136-24VAC

Part numbers above include filter, valves, air vents and controller.

PVC pipe and fittings for the manifolds to be sourced locally; details in Operations Manual.

*The 1x Expansion adds one filter to an existing complete filter system of 2 or more filters. For example: For a 3-filter system with 30" tanks and an AC solenoid, order one unit of ACS-230-24VAC and one unit of ACX-130-24VAC.

Filter Specifications

Part Number	Tank Size	Filtration Area (sq. ft.)	Maximum Flow Rate (gpm)			Minimum Backflush (gpm)	Gravel (lbs.)*	Sand Required (lbs)
			1 Filter	2 Filter	3 Filter			
AC-40	18"	1.92	38	75	110	29	50	125
AC-60	24"	3.14	62	120	175	47	50	275
AC-100	30"	4.91	74	150	275	74	150	450
AC-140	36"	7.06	106	160	400	106	275	650

* Gravel is not required for these filters, although some operators prefer to use it. If gravel is not used, add this quantity of sand instead.

Filter Dimensions

Part Number	A DIM.	B DIM.	C DIM.	D DIM.
AC-40	30-1/2"	19-1/2"	10-3/4"	40
AC-60	35-1/2"	24-1/2"	13-5/8"	45
AC-100	39-3/4"	30-1/2"	16-1/4"	50
AC-140	45-1/4"	36-1/2"	18-3/4"	55

