



CARBON STEEL & STAINLESS-STEEL
SAND MEDIA FILTERS

CARBON STEEL WITH POLYESTER COATING

APPLICATIONS

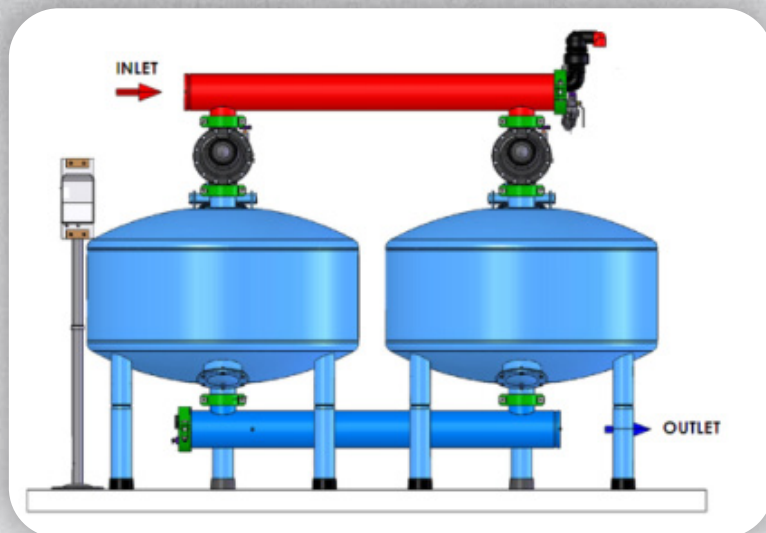
Sand Media Filters provide quality filtration for water sources containing high levels of organic matter, algae contamination, sand and silt.

Effective with all water sources including reservoirs, canals, rivers, wells, and treated effluent water.

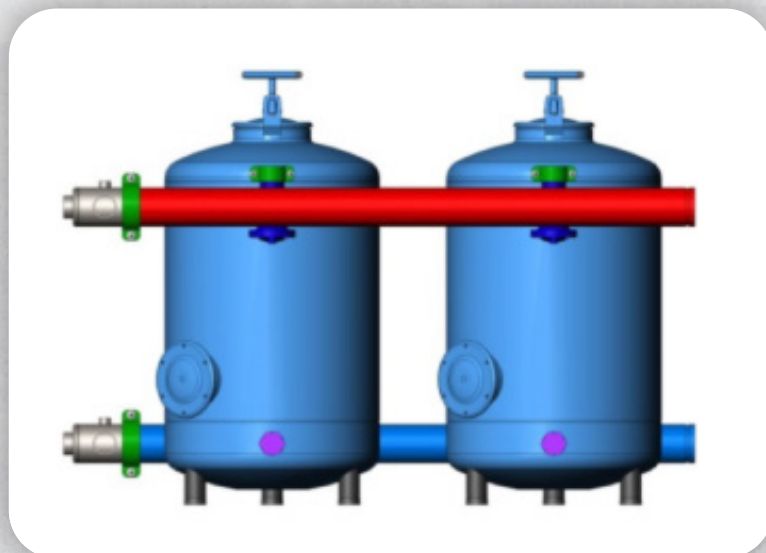
SPECIAL FEATURES

- **Filter body is carbon steel with UV-protected polyester coating.** Polyester coating will not chalk or fade like epoxy coating, used by most manufacturers.
- **Injected molded polypropylene slotted pipe under-drain design** that covers the entire diameter of the media tank to provide the most uniform lifting of the sand bed during flush mode, ensuring a clean sand bed after every flush.
- **Only one layer of sand media** is necessary with any Toro-Yamit system.
- **High-quality backflush valve** is reliable and has low head loss.
- More water savings due to highly efficient transition flushing operation.
- Modular manifolds for simple and flexible assembly and expansion.
- Maximum Operating Pressure: 120 psi

SERIES YF660L



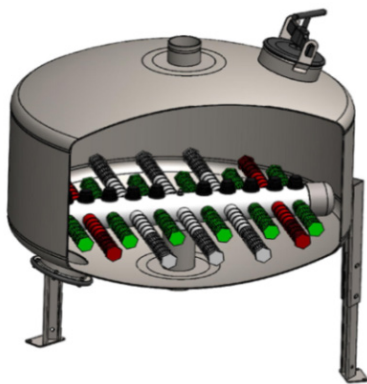
48" CARBON STEEL MEDIA FILTER SYSTEMS SINGLE CHAMBER



12", 16", 20", 24", 30", 36" CARBON STEEL MEDIA FILTER SYSTEMS DOUBLE CHAMBER

STAINLESS STEEL WITH "PASSIVATION"

SERIES YF660LSS



APPLICATIONS

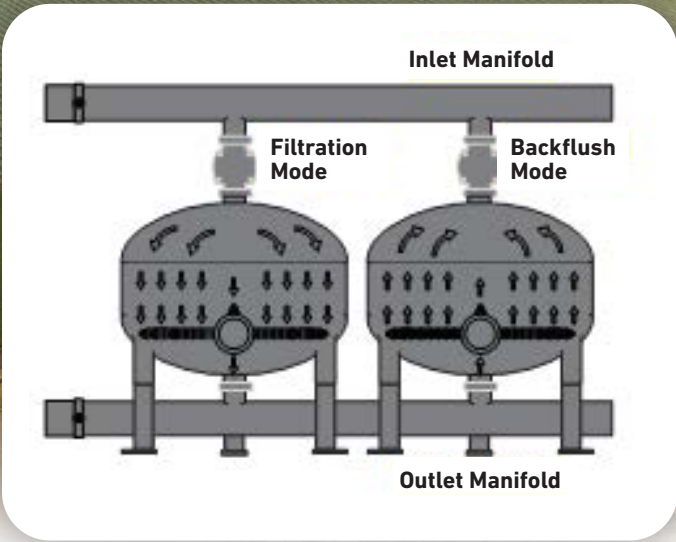
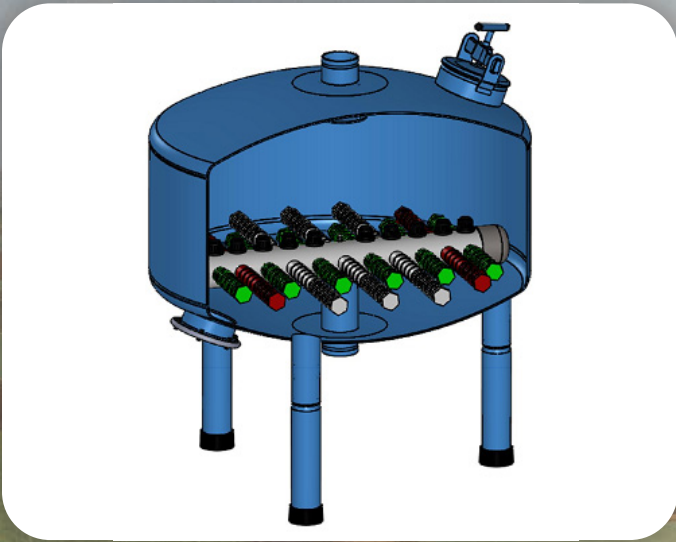
Suitable for very corrosive water and humid, salty environments for superior protection against rust and corrosion.

Effective with all water sources including reservoirs, canals, rivers, wells, and treated effluent water containing high loads of algae and organic material.

SPECIAL FEATURES

- Filter body is *passivized* 304L stainless steel material.
- Passivation anti-corrosion treatment uses nitric acid to protect stainless steel and extends useful life of product.
- The process creates a protective oxide layer that reduces any chemical reaction with the air to greatly minimize corrosion, especially at the welds that prevents pin holes.
- Injected molded polypropylene slotted pipe under-drain design that covers the entire diameter of the media tank to provide the most uniform lifting of the sand bed during flush mode, ensuring a clean sand bed after every flush.
- Only one layer of sand media is necessary with any Toro-Yamit system.
- High-quality backflush valve is reliable and low head loss.
- More water savings due to highly-efficient transition flushing operation.
- Modular manifolds for simple and flexible assembly and expansion.
- Maximum Operating Pressure: 85 psi

CARBON STEEL AND STAINLESS STEEL



OPERATION PRINCIPLES

Water enters the filter via the inlet and spreads equally on the media. Dirt particles and organic matter is trapped on and in the media.

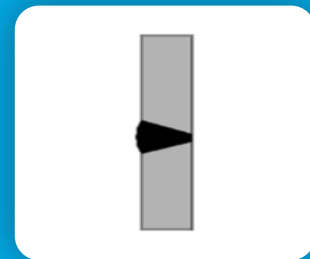
Water passes through the media and flows out via the filter elements free of dirt. The cleaning backwash process is carried out by shutting off the inlet of the filter with a three-way backwash valve and opening the flush water outlet.

MORE RESISTANT TO PIN-HOLE LEAKS

Engineered to minimize opportunity for pin-hole leaks to occur, thanks to an innovative design and assembly process.

The diameter of the cylinder body fits flush with the lower and upper caps.

State-of-the-art manufacturing processes and a smooth finish inside the tank virtually minimizes or eliminates any opportunity for pin-hole leaks to occur.



TORO-YAMIT UNIQUE BUTT JOINT WELD



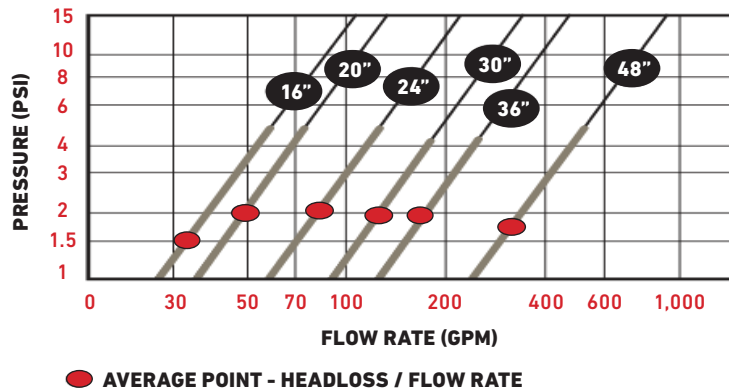
OTHER MANUFACTURERS' COMMON LAP JOINT WELD

SERIES YF660L

FLOW RANGE (GPM)							
UNITS	12"	16"	20"	24"	30"	36"	48"
1	15-22	23-39	35-59	59-88	88-132	140-193	242-348
2	21-31	31-47	78-132	114-192	123-282	175-350	400-600
3			117-198	171-288	293-452	350-525	600-900
4							800-1,200
5							1,000-1,500
6							1,200-1,800
8							1,600-2,400

TANK SIZE	MUSHROOMS PER TANK
12"	8
16"	11
20"	14
24"	21
30"	30
36"	42
48"	Underdrain Slotted Pipes

HEADLOSS (FLOW VS. PRESSURE)



SILICA SAND MEDIA REQUIREMENTS

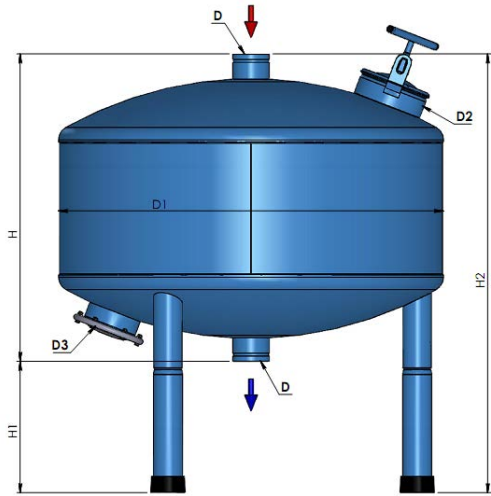
TANK SIZE	REQUIRED SAND (LBS)	FLUSHING FLOW RATE (GPM)
12"	110	26
16"	165	45
20"	250	70
24"	360	95
30"	500	125
36"	800	155
48"	1,300	190

SILICA SAND MEDIA DATA

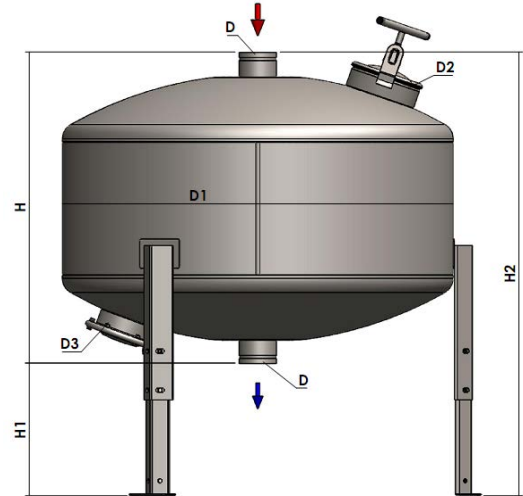
MEDIA TYPE	MESH RANGE	RECOMMENDED SIZE
Crushed Silica 12	80-130	1.1 – 1.2 mm
Crushed Silica 16	155-200	0.6 – 0.7 mm
Crushed Silica 20	170-230	0.45 – 0.5 mm

SERIES YF660L

Model	D (in)	D1 (in)	D2 (in)	D3 (in)	H (in)	H1 (in)	H2 (in)
YF660L	4	48	8	6	37.8	16.1	53.9

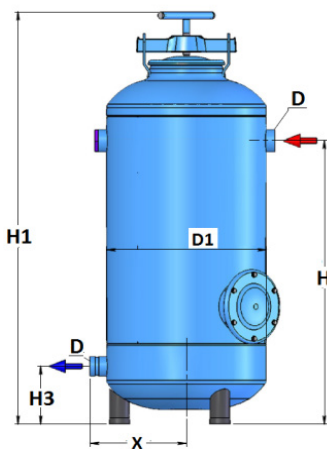


48" TANK

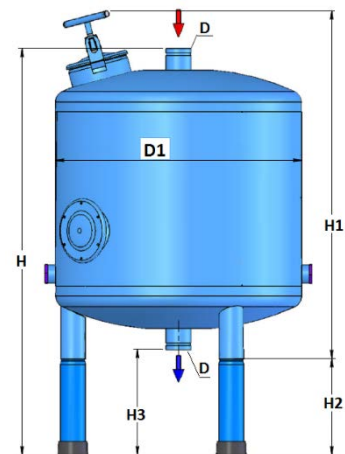


48" TANK

Model	D (in)	D1 (in)	H (in)	H1 (in)	H2 (in)	H3 (in)	X (in)
YF605	1	12	30.91	45.65		5.91	7.01
YF610	2	16	34.25	46.07		7.09	9.65
YF620	2	20	34.65	50.32		7.09	11.34
YF635	2	24	34.65	50.44		7.09	13.98
YF640	3	30	53.51	48.01	10.59	12.13	
YF650	3	36	57.56	49.21	13.66	15.00	



12", 16", 20", 24" TANKS

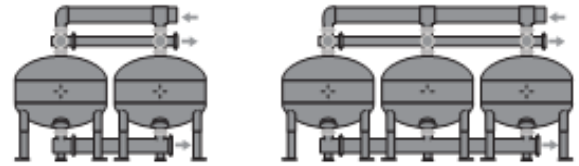


30" AND 36" TANKS

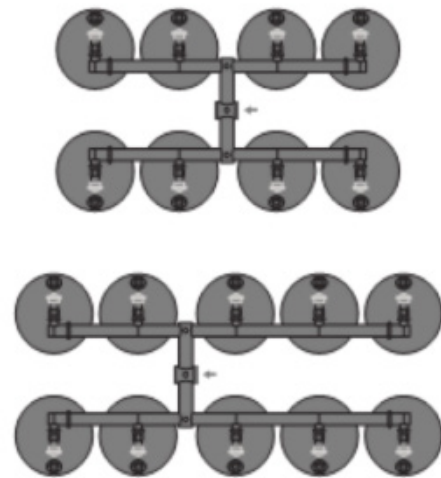
AVAILABLE CONFIGURATIONS

SIZE	CONFIGURATION
12" 2-unit	Straight
16" 2-unit	Straight
20" 2-unit	Straight
24" 2-unit	Straight
24" 3-unit	Straight
24" 4-unit	Straight
30" 2-unit	Straight
36" 2-unit	Straight
36" 3-unit	Straight
36" 4-unit	Tee Pattern
36" 5-unit	Tee Pattern
36" 6-unit	Tee Pattern
48" 2-unit	Straight
48" 3-unit	Straight
48" 4-unit	Straight or Tee Pattern
48" 5-unit	Tee Pattern
48" 6-unit	H Pattern
48" 8-unit	H Pattern
48" 12-unit	H Pattern

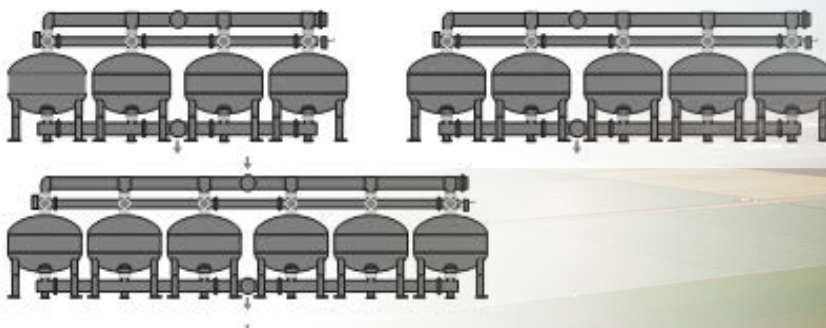
STRAIGHT END FEED



H PATTERN



TEE CENTER FEED CONFIGURATION





WHEN WE SAY **COUNT ON IT**, WE MEAN IT

With an expanding population, growers around the world are looking to technologies that help increase productivity of existing land and maximize precious water resources. Toro's drip irrigation solutions help growers of permanent, field and row crops around the world realize substantial benefits in yield, quality, and water savings from the precise application of water and nutrients.

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Toro Ag
1588 N. Marshall Avenue
El Cajon, CA 92020-1523, USA
Tel: + (877) 373-0087 or + 1 (619) 596-2495
Fax: +1 (800) 892-1822 or + 1 (619) 258-9973
[toro.com](https://www.toro.com)



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