



EFFECTIVE LIQUID FILTRATION SOLUTIONS

Stackable Media Filters

24" SAND MEDIA FILTERS



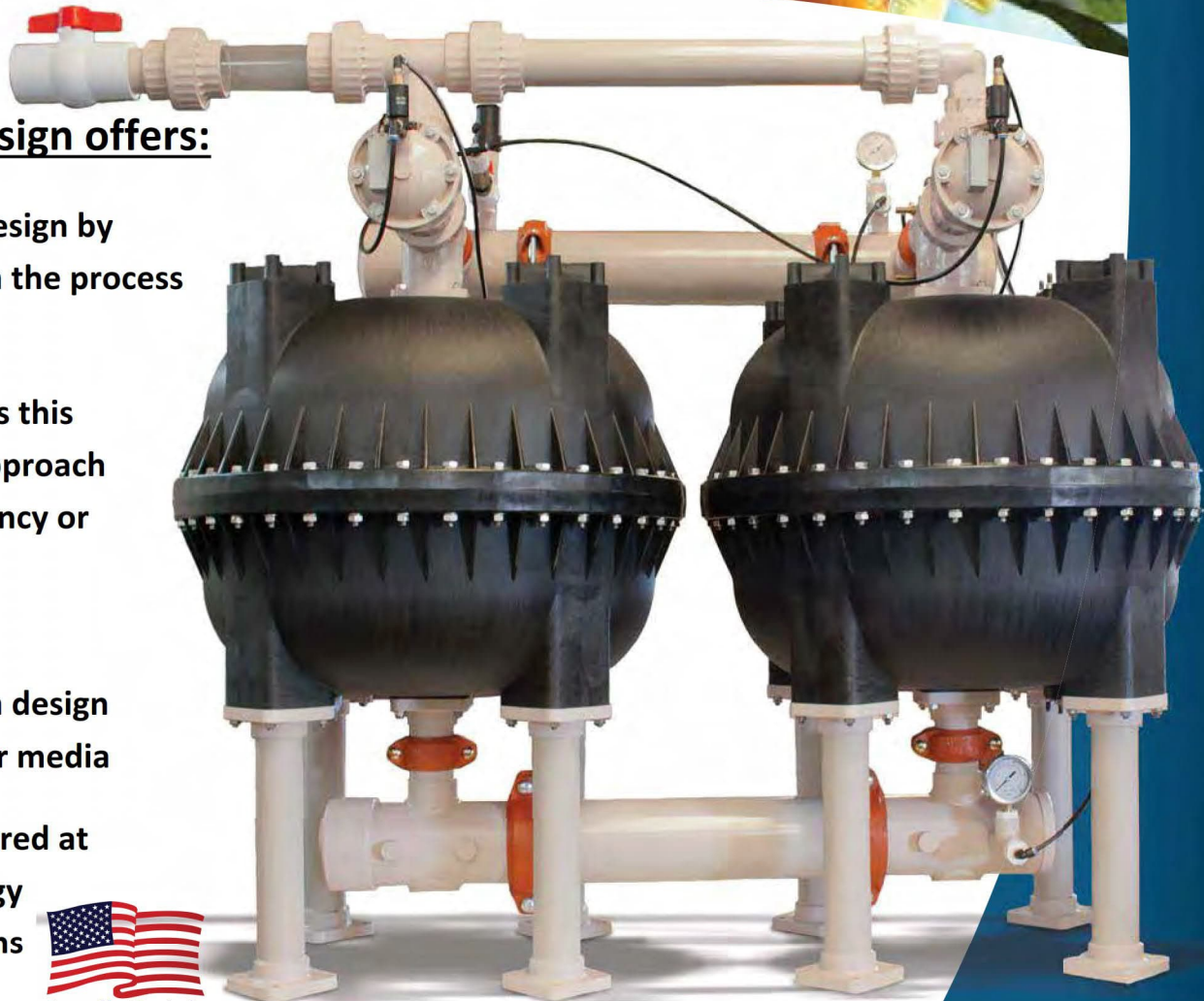
Breakthrough Design offers:

Improved Filtration Design by taking less water from the process during back flush

Ideal for poor water as this multiple small tank approach allows for high frequency or continuous back flush using filtered water

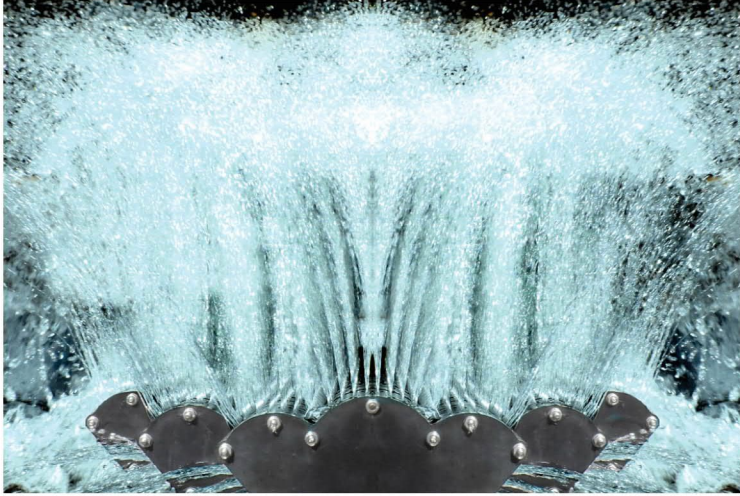
Innovative underdrain design requires 60% less filter media

Lowest pressure required at 15 psi allows for energy saving filtration designs



Stacked Media Filter Benefits

Offers Unsurpassed Underdrain Technology



Offers Significant Savings and Advantages



Water Directed Up for:
Efficient Flushing
No Dead Spots
No Channeling
Less Flushing

High ROI Due to:
60% Space Savings
80% Less Media
72% Less Flush Water
12% Energy Savings

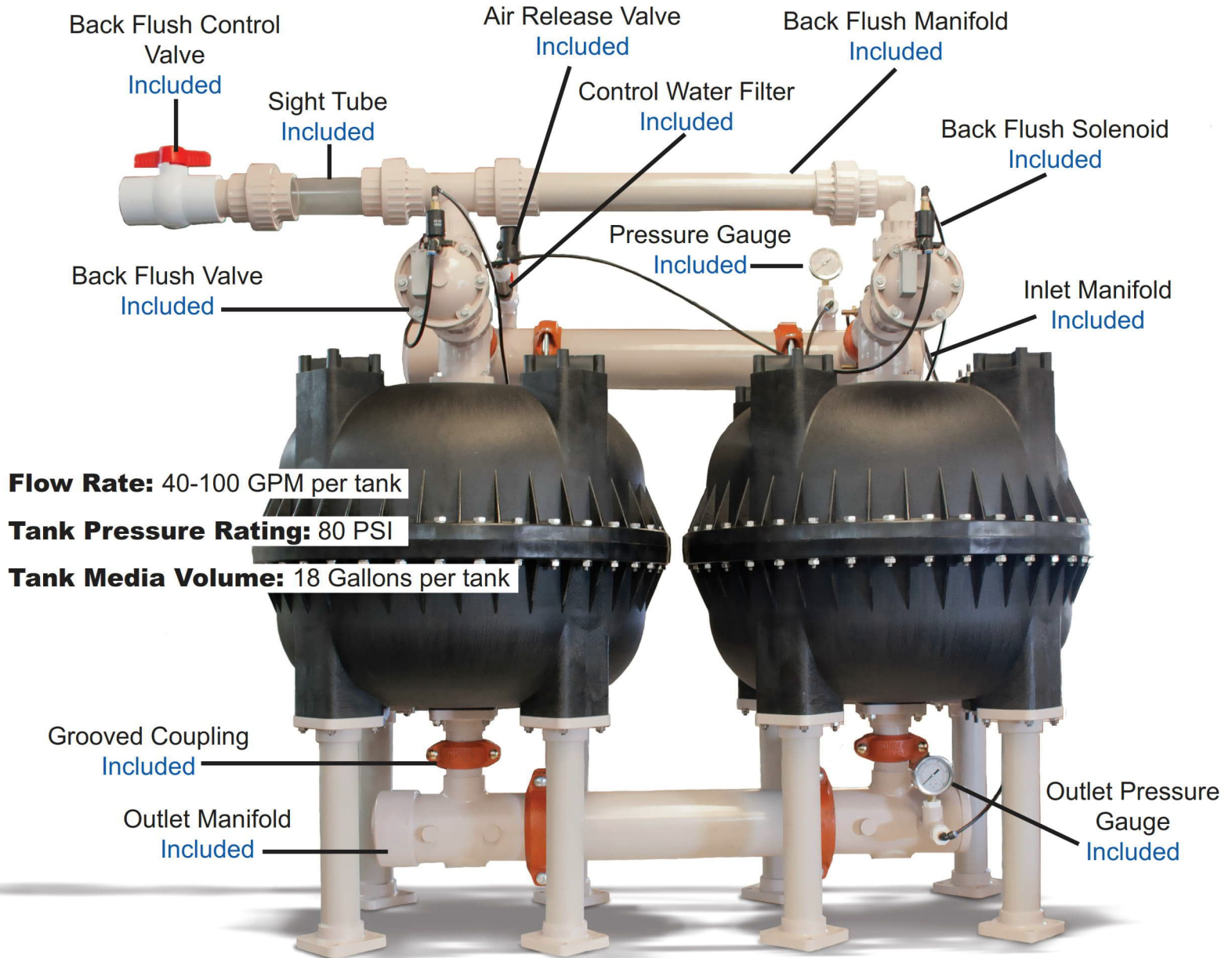
SMF Operating Parameters

	EQUIVALENT MESH SIZE	VOLUME OF MEDIA PER TANK	BACK WASH FLOW (GPM/LPM)		MAX FLOW RATE PER TANK*
			MINIMUM	MAXIMUM	
#12 SILICA SAND	140	18gal / 2.5cuft	64 GPM 242 LPM	120 GPM 454 LPM	100 GPM 379 LPM
#16 SILICA SAND	170	18gal / 2.5cuft	48 GPM 182 LPM	100 GPM 379 LPM	100 GPM 379 LPM
#20 SILICA SAND	230	18gal / 2.5cuft	36 GPM 136 LPM	60 GPM 227 LPM	80 GPM 303 LPM
#30 SILICA SAND	400	18gal / 2.5cuft	24 GPM 91 LPM	48 GPM 182 LPM	64 GPM 242 LPM
14x40 MESH ZEOLITE OR GLASS BEADS	Down to 5 microns	18gal / 2.5cuft	24 GPM 91 LPM	48 GPM 182 LPM	64 GPM 242 LPM

PRESSURE DROP COMPARISON CHART - 18 GALLONS OF MEDIA APPROX. 6" BELOW TOP					
FLOW RATE (GPM)	PRESSURE LOSS (PSI)				
	ZEOLITE	#30 SAND	#20 SAND	#16 SAND	#12 SAND
60	1.5	2	1.5	1.0	1.0
80	2.5*	4*	3.0	2.0	1.5
100	4.0*	5.5*	4.5*	3.5	3.0

*NOT RECOMMENDED

JUST ADD MEDIA!








































All Systems Include:

- 4" Inlet and 4" Outlet UVR PVC manifolds.
- 2" Back Flush Manifold with sight tube and back flush control valve (15 to 80 PSI).
- Included are: Inlet and Outlet pressure gauges, Air Release Valves, Back Flush Control Water Filters, Manual Back Flush Operation Control Levers, Solenoids for Automatic Operation.
- Tanks have Access Port on top and a drain port on the bottom.
- All PVC components (manifolds, fittings, valves) are manufactured "UVR" Ultra Violet Resistant PVC or Schedule 80 for manifolds 6" and larger.

Automatic Systems Also Include:

- Back Flush Controllers, Pressure Differential Switch and on Decoder for each Tank

Epiphene Stacked Media Filters

Part Number Configurator		Stacked Media Filter	Tank Diameter	# of Tanks	Layout	Manifold Inlet & Outlet	Auto or Manual Backflush Control	Verttal & Horizontal Icons 3D				3D Drawing		
								Horizontal Layout		Verttal Layout				
Part Number	SMF -24 -16 -S -F -A													
H = Single Row C = Double Row SR = Stacked Verttal Single Row S = Stacked Verttal Double Row G = Grooved Outlet F = Flanged Outlet M = No Back Flush Controller A = Back Flush Controller Included Copyright Epiphene 2018														
Part Number	# of Tanks	Horizontal Layout	Verttal Layout	Inlet Pipe Size (Inch)	Outlet Pipe Size (Inch)	Flush Pipe Size (Inch)	Low Flow (GPM)	High Flow (GPM)	Low Flow (LPM)	High Flow (LPM)	Media Required 100 lbs Bags	Height (Inch)	Length (Inch)	Width (Inch)
SMF - 24 - 2 - HGM/A	2			4	4	2	100	200	379	757	5	Call Factory	Call Factory	Call Factory
SMF- 24 - 3 - HGM/A	3			4	4	2	150	300	568	1136	8	Call Factory	Call Factory	Call Factory
SMF- 24 - 4 - HGM/A	4			4	4	2	200	400	757	1514	10	Call Factory	Call Factory	Call Factory
SMF- 24 - 4 - CMGM/A	4			4	4	2	200	400	757	1514	10	Call Factory	Call Factory	Call Factory
SMF-24-6-CMGM/A	6			6	6	2	300	600	1136	2271	15	Call Factory	Call Factory	Call Factory
SMF-24-8-CMGM/A	8			6	6	2	400	800	1514	3028	20	Call Factory	Call Factory	Call Factory
SMF-24-10-CMGM/A	10			8	8	2	500	1000	1893	3785	25	Call Factory	Call Factory	Call Factory
SMF-24-12-CMGM/A	12			8	8	2	600	1200	2271	4542	30	Call Factory	Call Factory	Call Factory
SMF- 24 - 4 - SRGM/A	4			4	4	2	200	400	757	1514	10	Call Factory	Call Factory	Call Factory
SMF- 24 - 6 - SRGM/A	6			6	6	2	300	600	1136	2271	15	Call Factory	Call Factory	Call Factory
SMF- 24 - 8 - SRGM/A	8			6	6	2	400	800	1514	3028	20	Call Factory	Call Factory	Call Factory
SMF- 24 - 8 - SGM/A	8			6	6	2	400	800	1514	3028	20	Call Factory	Call Factory	Call Factory
SMF- 24 - 10 - SRGM/A	10			8	8	2	500	1000	1893	3785	25	Call Factory	Call Factory	Call Factory
SMF-24-12-SGM/A	12			8	8	2	600	1200	2271	4542	30	Call Factory	Call Factory	Call Factory
SMF-24-16-SGM/A	16			8	8	2	800	1600	3028	6057	40	Call Factory	Call Factory	Call Factory
SMF-24-20-SGM/A	20			10	10	2	1000	2000	3785	7571	50	Call Factory	Call Factory	Call Factory
SMF-24-24-SGM/A	24			12	12	2	1200	2400	4542	9085	60	Call Factory	Call Factory	Call Factory

System Part Numbers include all of the following:

Inlet Manifolds, Outlet Manifolds, Back Flush Manifold(s), Sight Tube(s), Back Flush Control Valve(s), Pressure Gauges, Air Release Valves, Control Water Filter, all with proper sized groove coupler fittings.

Automatic Systems Include:

Back Flush Controller, Pressure Differential Switch and one decoder for each back flush valve.



**Proudly Made in
the USA**

2.18.19

Epiphene Corporation

Phone: 1+ (559) 288-2392 **Email:** info@epiphene.com **Website:** epiphene.com

Clovis, CA. USA