

DESCRIPTION OF OPERATION

Water enters the filter via the inlet and spreads equally on the media. Solids and organic materials are trapped within the media. The clean water passes through the media and flows out via the nozzles. The backflush cleaning process is done by shutting the inlet of the filter with the 3-way backflush valve and allowing the water to enter from the bottom, lifting the media and releasing the solids that exit the filter through the outlet manifold. This process can be controlled automatically.

FLOW RANGE (GPM)

# FILTERS/SIZE	FLOW RANGE
2-16"	22-52
2-20"	78-132
3-20"	117-198
2-24"	114-192
3-24"	171-288

APPLICATIONS

- Excellent for high pressure applications
- Primary filter for water from open reservoirs and recycled water
- Filtration of water contaminated with algae and other organic materials

FEATURES

- Two layer coating (phenolic and epoxy) for industry leading high corrosion and UV protection - for both the tanks and the manifolds.
- Modular manifolds for simple and flexible assembly and expansion.
- Wide range of tank diameters and configurations to address all application needs.
- Double chambered filter allows for efficient filtration and backflush uniformity.
- Multiple mushrooms provide four times more open flow area ensuring uniform water collection and backflush.
- Each mushroom produces equal pressure during backflushing cleaning the entire sand media bed.

SPECIFICATIONS

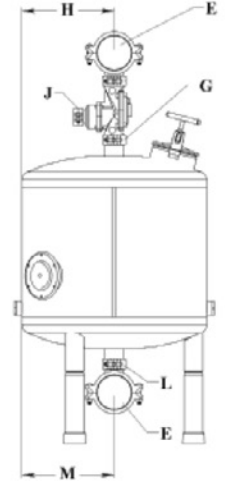
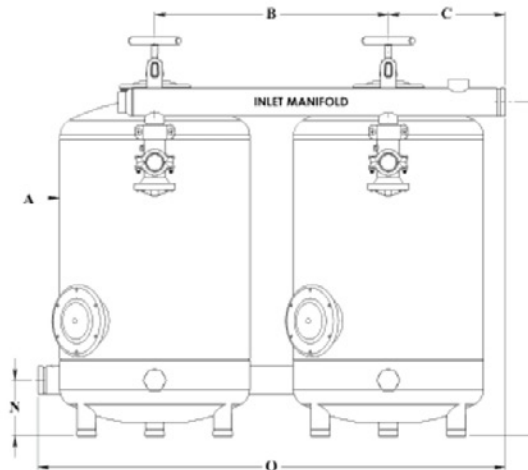
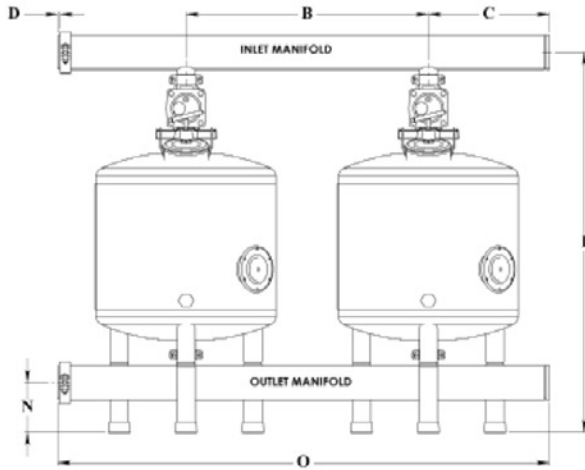
- Maximum Operating Pressure: 115 psi
- Backflushing Flow Rate:
 - 16" Filter Battery - 26 GPM
 - 20" Filter Battery - 66 GPM
 - 24" Filter Battery - 97 GPM
- Access Ports:
 - Tank Dome with tightening handle
 - Tank Body secured by bolts

TANK SIZE	FILTRATION AREA	MEDIA REQUIRED	TANK WEIGHT
16"	1.40 SQ. FT.	200 LBS	132 LBS
20"	2.15 SQ. FT.	260 LBS	165 LBS
24"	3.12 SQ. FT.	400 LBS	242 LBS

[Additional Specifications](#) 



DIMENSIONS



KEY	DESCRIPTION	30" TANK	36" TANK	48" TANK
1	INLET PORT	3"	3"	4"
2	TANK DIAMETER	30"	36"	48"
3	TANK LENGTH	32.8"	41.7"	50.3"
4	OVERALL TANK HEIGHT	55"	55.7"	54.8"
5	TANK HEIGHT TO INLET PORT	54"	54"	54"
6	TANK HEIGHT TO OUTLET PORT	16"	16"	16"
7	ACCESS PORTS DIAMETER	8"	10"	10"

ORDERING INFORMATION

MODEL NUMBER	#FILTERS/SIZE
2SMFDBS1602AAC	2-16"
2SMFDBS1602AAC	2-20"
2SMFDBS2003AAC	3-20"
2SMFDBS2402AAC	2-24"
2SMFDBS2403AAC	3-24"

TANK ONLY	
SIZE	MODEL NUMBER
16"	2SMFBS16
20"	2SMFBS20
24"	2SMFBS24

HEADLOSS (FLOW VS. PRESSURE)

