

# SANDSTORM™

## SINGLE CHAMBER METAL MEDIA FILTER

**HIGH QUALITY METAL MEDIA FOR ENHANCED SYSTEM LONGEVITY**



30" AND 36" TANKS



48" TANK

### APPLICATIONS

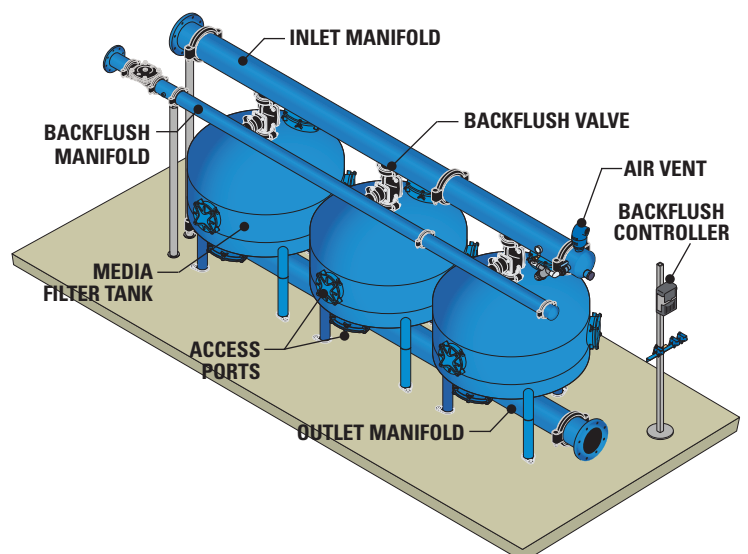
- Primary filter for water from open reservoirs and recycled water
- Filtration of water containing algae and other organic materials

### SPECIFICATIONS

- Flow Range: 175 to 330 GPM
- Maximum Operating Pressure: 115 psi
- Minimum Backflush Pressure Required: 29 psi downstream of filter during backflush
- Backflushing Flow Rate: 125 to 290 GPM
- Access Port on Tank Dome and Sides Secured with Bolts:  
8" for 30" Tank  
10" for 36" and 48" Tanks
- Media Depth: 16"

### PRODUCT ADVANTAGES

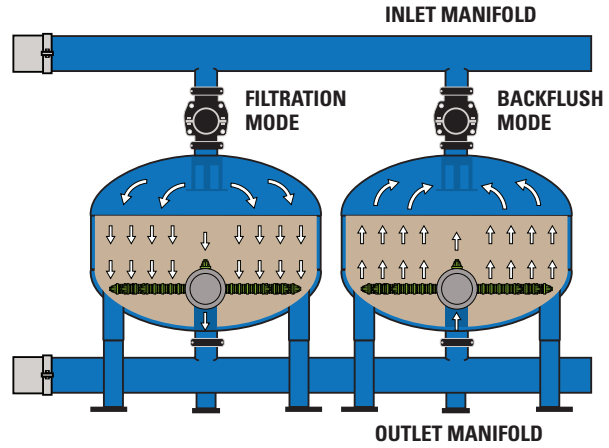
- Single chamber filter allows for efficient filtration and backflush uniformity.
- Large top and side access ports makes loading media and conducting maintenance easier.
- Two layer coating (phenolic and epoxy) for industry leading high corrosion and UV protection - for both the tanks and the manifolds.
- Injection molded PVC underdrain system with mushrooms and slots provides cleaning across the entire sand media bed.
- Modular manifolds for simple and flexible assembly and expansion.
- Wide range of tank diameters and configurations to address all application needs.
- Maximum protection and reliability in harsh conditions.



# EFFICIENT FILTRATION

## DESCRIPTION OF OPERATION

Water enters the filter via the inlet and spreads equally on the media. Dirt particles and organic materials are trapped in the media surface. The water that passes through and flows out via the filter elements will be free from dirt. The backflush cleaning process is done by shutting the inlet of the filter with the 3-way backflush valve and opening the drainage.



## SPECIFICATIONS

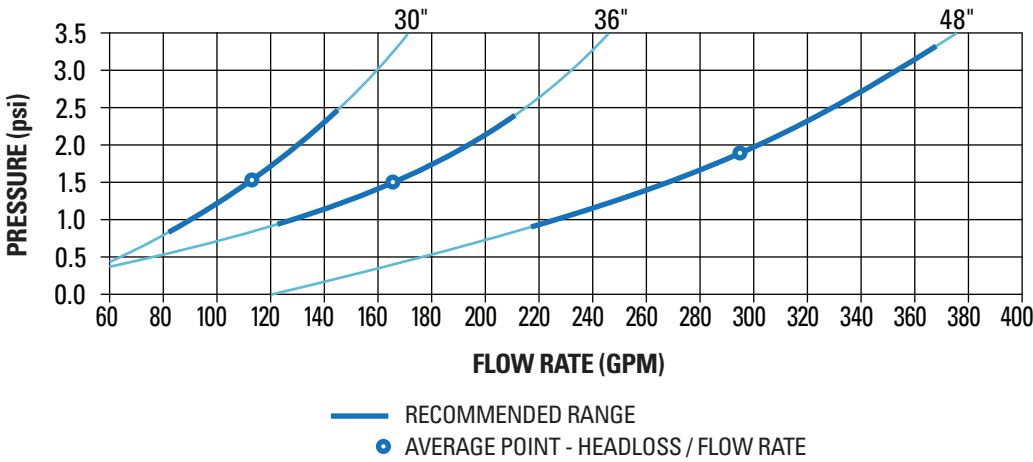
| TANK SIZE | FILTRATION AREA | MEDIA REQUIRED | TANK WEIGHT |
|-----------|-----------------|----------------|-------------|
| 30"       | 4.84 SQ. FT.    | 595 LBS.       | 265 LBS.    |
| 36"       | 7.00 SQ. FT.    | 772 LBS.       | 342 LBS.    |
| 48"       | 12.16 SQ. FT.   | 1,488 LBS.     | 518 LBS.    |

MEDIA REQUIRED refers to Crushed Silica Sand

## MAXIMUM FLOW (GPM)

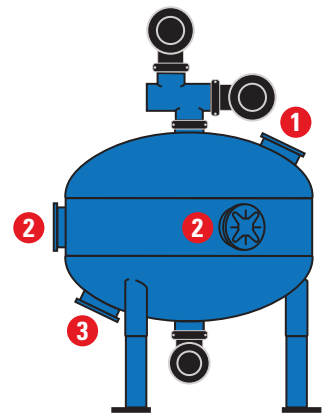
| FILTER SIZE | FLOW (GPM) |
|-------------|------------|
| 30"         | 140        |
| 36"         | 210        |
| 48"         | 375        |

## HEADLOSS (FLOW VS. PRESSURE)



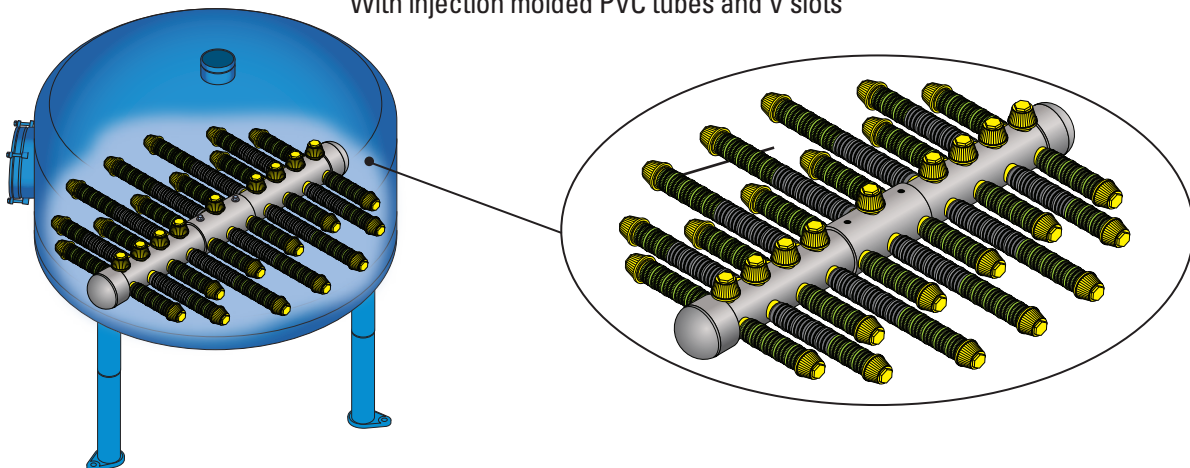
## TANK PORTS

- 1 Filling port
- 2 Side service port
- 3 Bottom service port



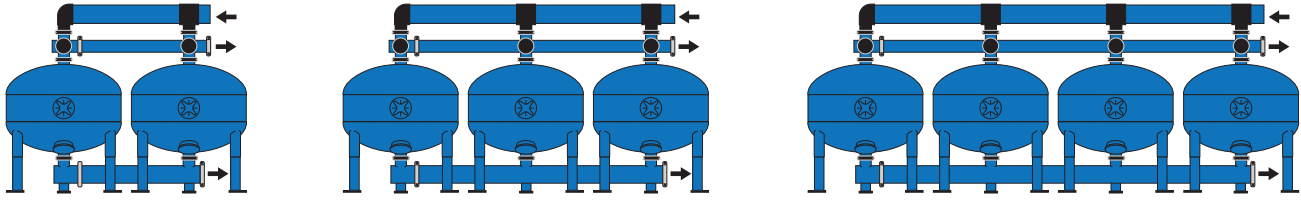
## UNDERDRAIN SYSTEM

With injection molded PVC tubes and V slots

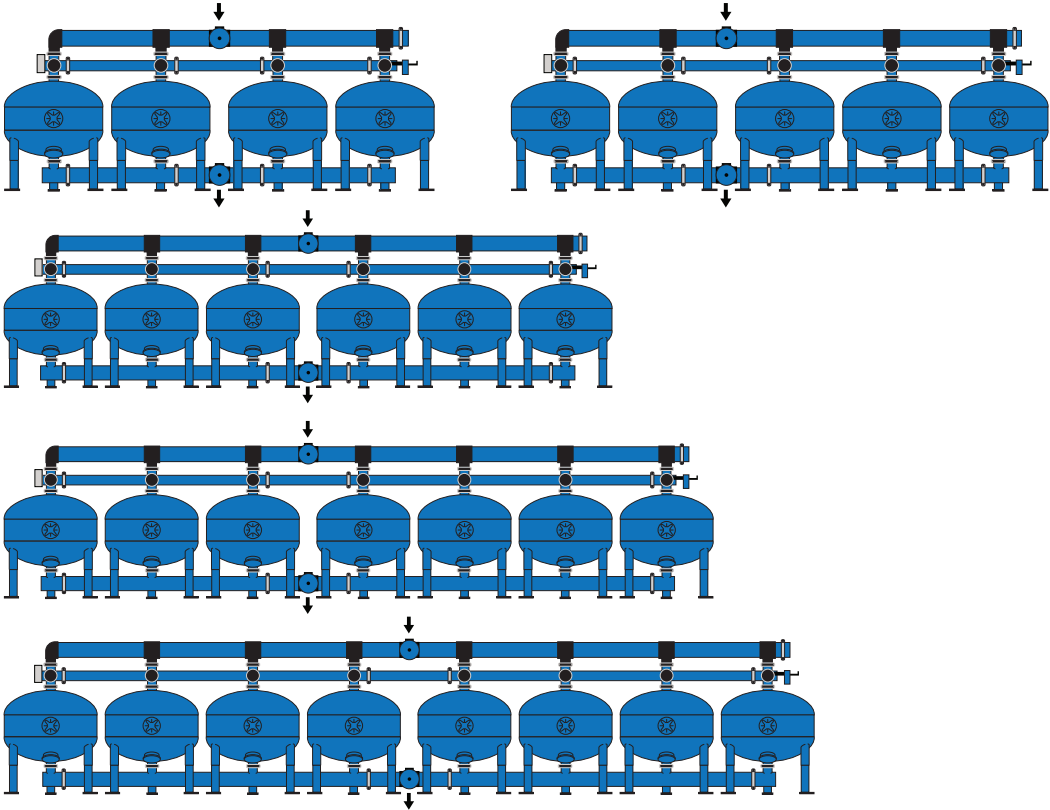


# INSTALLATION CONFIGURATIONS

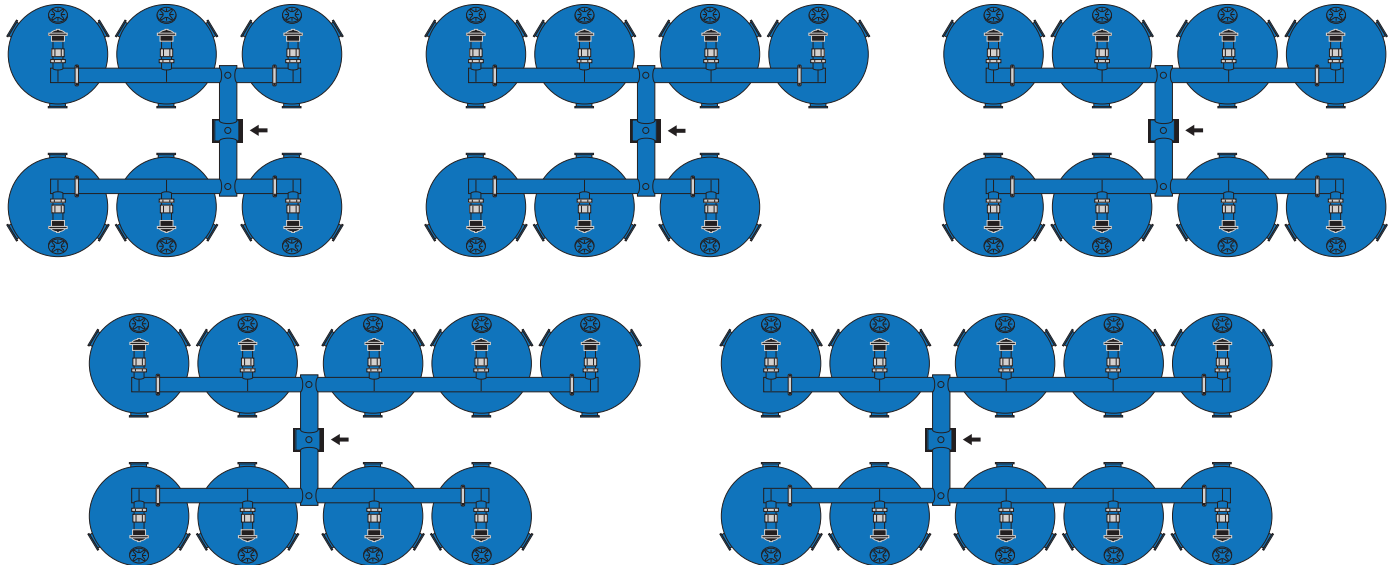
## END FEED INSTALLATION CONFIGURATIONS



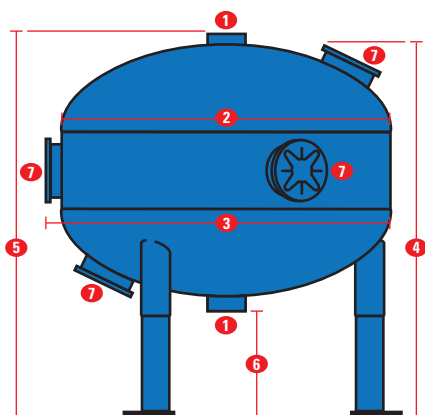
## CENTER FEED INSTALLATION CONFIGURATIONS



## H PATTERN INSTALLATION CONFIGURATIONS



# TECHNICAL & ORDERING INFORMATION



## 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 | CONFIGURATION |
|----------------|----------------|---------------|
| 2SMFSBS3002AAC | 2 - 30"        | STRAIGHT      |
| 2SMFSBS3602AAC | 2 - 36"        | STRAIGHT      |
| 2SMFSBS4802AAC | 2 - 48"        | STRAIGHT      |
| 2SMFSBS3003AAC | 3 - 30"        | STRAIGHT      |
| 2SMFSBS3603AAC | 3 - 36"        | STRAIGHT      |
| 2SMFSBS4803AAC | 3 - 48"        | STRAIGHT      |
| 2SMFSBS3004AAC | 4 - 30"        | STRAIGHT      |
| 2SMFSBS3604AAC | 4 - 36"        | STRAIGHT      |
| 2SMFSBS4804AAC | 4 - 48"        | STRAIGHT      |
| 2SMFSBT4804AAC | 4 - 48"        | TEE           |
| 2SMFSBS4805AAC | 5 - 48"        | STRAIGHT      |
| 2SMFSBT4805AAC | 5 - 48"        | TEE           |
| 2SMFSBT4806AAC | 6 - 48"        | TEE           |
| 2SMFSBH4806AAC | 6 - 48"        | H             |
| 2SMFSBT4807AAC | 7 - 48"        | TEE           |
| 2SMFSBH4807AAC | 7 - 48"        | H             |
| 2SMFSBT4808AAC | 8 - 48"        | TEE           |
| 2SMFSBH4808AAC | 8 - 48"        | H             |
| 2SMFSBT4810AAC | 10 - 48"       | TEE           |
| 2SMFSBH4810AAC | 10 - 48"       | H             |

## ORDERING - TANK ONLY

| MODEL NUMBER | SIZE |
|--------------|------|
| 2SMFSB30     | 30"  |
| 2SMFSB36     | 36"  |
| 2SMFSB48     | 48"  |



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