

SandStorm™ NC

Single chamber, non-corrosive media filter

Made of robust high-quality, non-corrosive materials. Its modular design allows for easy assembly and flexible expansion. Built for long term high performance, backed by a lifetime anti-corrosion warranty protecting your irrigation system. SandStorm™ NC durable design reduces annual operating expenses and increases the farms bottom line.



Long lasting



Versatility



Ease of
maintenance

/ Benefits & Features

- **Long lasting** The tank is made from PE liner strength with Aluminum collars and covered with glass fiber fabrics for maximum strength and protection. For areas with high humidity and/or installations requires acids and other tough chemicals treatments.
- **Versatility** Different diameters and configurations that correspond precisely to the flow rate of your system, ensuring optimal filtration efficiency.
- **Easy of maintenance** Large access ports and additional service ports make the job of replacing media and performing routine maintenance easy and hassle-free.
- **Uniform irrigation** Designed by world experts, absorbs particles as part of a depth filtration process, protecting the system from mineral, silt and sand infiltration. Provides super-efficient back-flush cleaning cycles that ensure irrigation uniformity, season after season.

/ Applications

- Primary filtration for irrigation systems using surface water from rivers, streams and canals that contain organic matter and in many cases silt and/or clay.
- Irrigating systems with driplines/sprinklers/micro-sprinklers in poor surface water quality in multiple season applications.
- Irrigation water containing high levels of iron (with special media).
- Ideal for use in high humidity areas.

/ Specifications

- Maximum working pressure 6 bar (87 psi).
- Different tank sizes, 36" or 48", for better compatibility with the required flow rate.
- Modular manifold design makes it quick and easy to scale up the filtration system as irrigation needs grow.
- It is possible to install these tanks in different configurations according to the number of tanks and the size of the surface on which they will be installed.

→ Hydraulic performance

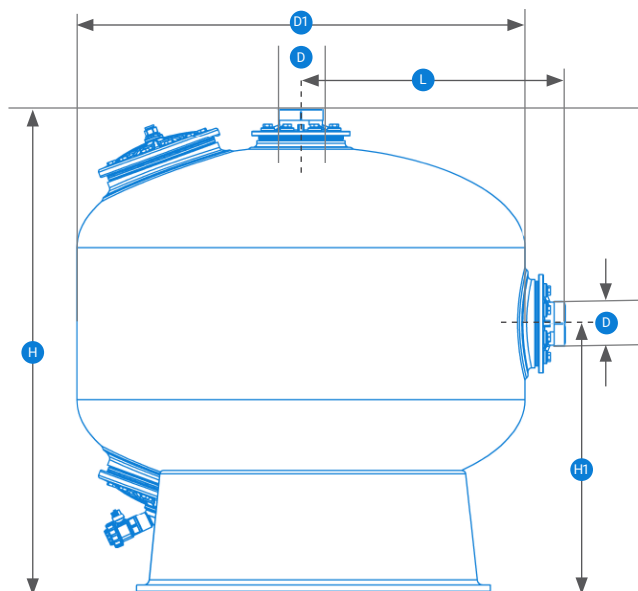
| Tank diameter | Filtration area | | Maximum flow rate | | Back-flush flow rate | | | | Minimum back-flush pressure | Maximum operating pressure |
|---------------|-----------------|-------|-------------------|-------|----------------------|-------|-----------|-------|-----------------------------|----------------------------|
| | | | | | Basalt number 1 | | Silica 16 | | | |
| | (m²) | (ft²) | (m³/h) | (gpm) | (m³/h) | (gpm) | (m³/h) | (gpm) | | |
| 36" | 0.64 | 6.98 | 45 | 198 | 35 | 154 | 19 | 84 | 2/29 | 6/87 |
| 48" | 1.09 | 11.73 | 80 | 352 | 65 | 286 | 36 | 159 | | |

* Maximum recommended flow rate is based on good water quality and calculated with velocity of 70 m/h (0.064 ft/sec)

→ Technical dimensions

| Tank diameter | D | D1 | H | | H1 | | L | | Empty tank weight | | Sand quantity | |
|---------------|--------|--------|------|--------|------|--------|------|--------|-------------------|------|---------------|------|
| | (inch) | (inch) | (mm) | (inch) | (mm) | (inch) | (mm) | (inch) | (kg) | (lb) | (kg) | (lb) |
| 36" | 3 | 36 | 1265 | 49.8 | 690 | 27.17 | 523 | 20.59 | 120 | 265 | 425 | 937 |
| 48" | 4 | 48 | 1310 | 51.57 | 715 | 28.15 | 675 | 26.57 | 165 | 364 | 750 | 1654 |

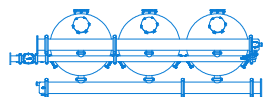
* Media weight based on Silica 16



→ Configurations

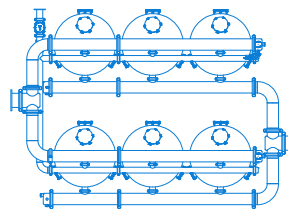
Straight-Line

Number of tanks: 2-5



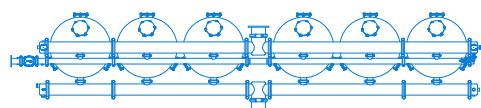
Parallel

Number of tanks: 5-10



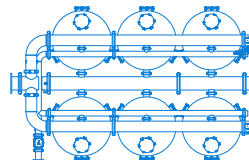
Straight-Line Center Feed

Number of tanks: 5-10

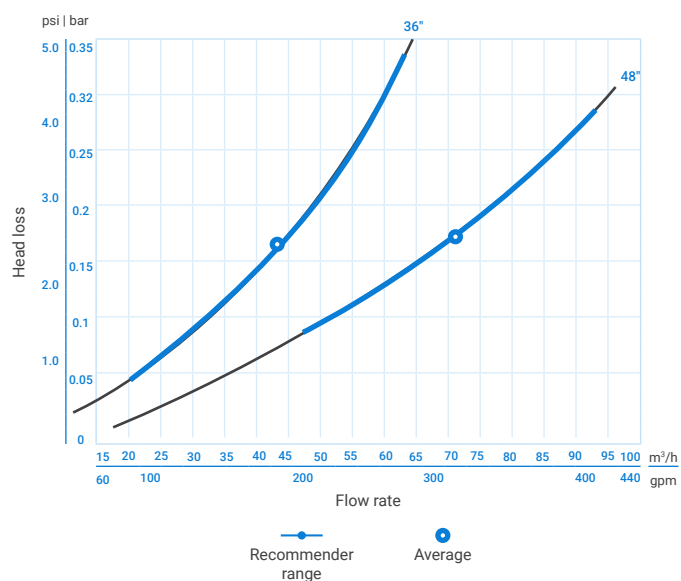


Parallel Centered

Number of tanks: 5-10



→ Head loss



→ Catalog numbers

The filters configuration and his catalog number will be determined according to the specific conditions in each application. For a correct definition of a required filter/ filtration system please contact your Netafim™ local representative.