

Semi Automatic Filtration

Toro SA500 Semi Automatic Brush Screen Filters

The Toro SA500 Series of Semi-Automatic Filters are ideally suited to a number of applications in the industrial, municipal, commercial and agricultural sectors. They are commonly used as a primary or secondary filter for drip, micro and sprinkler irrigation systems, where manual flushing is practical.

The SA500 Series delivers high quality filtration from a wide range of water sources including sewage, reservoirs, rivers and lakes. Available in Brush style, cleaning of the filter is simple. The operator simply opens the flush valve and rotates the handle. The brushes clean the entire screen area and dirt is discharged via the flushing valve.

The cleaning process takes place without dismantling the filter or interrupting the irrigation cycle.

Features

- 90° inlet/outlet: 150mm, 200mm & 250mm – flanged Table D
- Baked epoxy coated carbon steel body
- Screen made from 316 stainless steel
- Operating pressure: 100 – 1000 kPa
- Manually operated flush valve
- Manually rotated brush
- Low flushing rates
- Pressure differential indicator on side for ease of use. Factory set at 50 kPa

SA500 Brush Filters (mesh screen)

Model	SA506	SA508
Inlet/Outlet Diameter (inches)	6"	8"
Inlet/Outlet Diameter (mm)	150	200
Mesh Size Stocked (other mesh sizes available on request)	80	80 & 120
Screen Area (cm ²)	4300	5785
Maximum Flow Rate* (m ³ /hr)	180	380
Flushing Flow Rate** (m ³ /hr)	12	12



SA506

SA500 Brush Filters (weave wire screen)

Model	SA506	SA508	SA510
Inlet/Outlet Diameter (inches)	6"	8"	10"
Inlet/Outlet Diameter (mm)	150	200	250
Mesh Size Stocked (other mesh sizes available on request)	1600 micron	1600 micron	1600 micron
Screen Area (cm ²)	4300	5785	8600
Maximum Flow Rate* (m ³ /hr)	180	380	500
Flushing Flow Rate** (m ³ /hr)	12	12	12



SA503

* Maximum flow rate data is based on 10 kPa pressure loss across the filter for high quality water at filtration grade of 120 mesh. De-rate the filter flow capacity depending on water quality, load and filtration grade

** Flushing flow rate data is for minimum operational pressure (100 kPa)