ANGLE SA500 BRUSH
SEMI-AUTOMATIC BRUSH SCREEN FILTERS

DESCRIPTION
Semi-automatic filter.

STANDARD CHARACTERISTICS
- Filter element: Stainless Steel screen AISI 316 mesh, 3 layer
- Available filtration: from 120 micron
- Filter housing material of construction: Carbon Steel ST37.2
- Pre-treatment: sand blasting up to Sa 2.5 grade.
- Two layer coating process consisting of a one primary coating Rich Zinc (60 - 70µm thickness) and a final protective coating of Phenolic Epoxy (70 - 80µm thickness)
- Connections: Victaulic and Flanged
- Maximum recommended working pressure: up to 10 bar (145 psi)
- Minimum operating working pressure during flushing: 1 Bar (14.5 psi)
- Equipped with pressure gauge which indicates the pressure difference of 5m
- Clean screen pressure loss: up to 0.1 Bar (1.45psi)

OPERATION
Water flows through the inlet and through the cylindrical screen trapping the solids on the screen. The filter can be manually cleaned while still pressurized and without removing the screen. The operator cleans the screen by opening the flush valve and turning the handle, fully up and the back down. As a result the brushes traverse the entire screen removing trapped debris. The entire process lasts for just a few seconds.

<table>
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<th>INLET/DIAMETER</th>
<th>MAX FLOW</th>
<th>X</th>
<th>X1</th>
<th>Y</th>
<th>H</th>
<th>WEIGHT</th>
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</table>

Maximum recommended flow rate - 120 micron in good quality water
Backwash flow: 176 gpm (40 m³/hr)
PRESSURE LOSS AT 120 MICRON

Flow (m³/hr)

Pressure (Bar)