COMPACT SA500C SUCTION SCANNER
SEMI-AUTOMATIC SUCTION SCANNER SCREEN FILTERS

APPLICATIONS
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 layered 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; Threaded socket 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 a mechanical DP which indicates when the pressure difference of 5m is exceeded
- Clean screen pressure loss: up to 0.1 Bar (1.45psi)

OPERATION
Water flows through the inlet along 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 suction nozzles traverse the entire screen removing trapped debris. The whole process takes a few seconds.

<table>
<thead>
<tr>
<th>MODEL</th>
<th>IN/OUTLET DIAMETER</th>
<th>MAX FLOW</th>
<th>SURFACE AREA (CM²)</th>
<th>EFFECTIVE AREA (CM²)</th>
<th>FLUSHING FLOW (M³/HR)</th>
<th>X (MM)</th>
<th>Y (MM)</th>
<th>H (MM)</th>
<th>WEIGHT (KG)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SA502C</td>
<td>50 2</td>
<td>25</td>
<td>1,135</td>
<td>908</td>
<td>6</td>
<td>123</td>
<td>174</td>
<td>590</td>
<td>12</td>
</tr>
<tr>
<td>SA503C</td>
<td>75 3</td>
<td>45</td>
<td>2,363</td>
<td>1,891</td>
<td>8</td>
<td>139</td>
<td>189</td>
<td>782</td>
<td>22</td>
</tr>
<tr>
<td>SA504C</td>
<td>100 4</td>
<td>80</td>
<td>2,363</td>
<td>1,891</td>
<td>10</td>
<td>190</td>
<td>280</td>
<td>933</td>
<td>30</td>
</tr>
</tbody>
</table>

Maximum recommended Flow Rate - 120 micron in good quality water
PRESSURE LOSS AT 120 MICRON