



# 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 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 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)

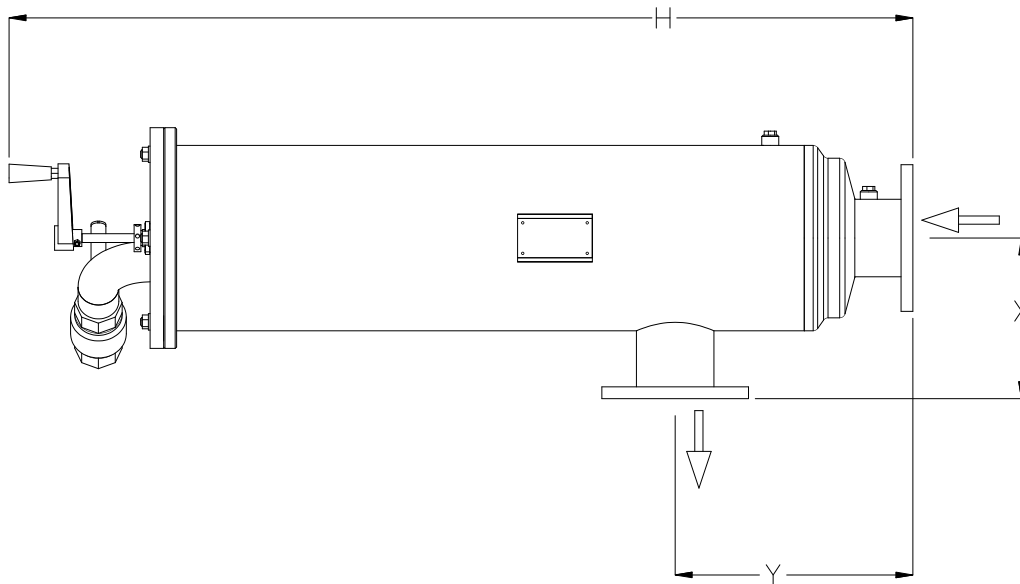
### OPERATION

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.

MODEL	INLET/OUTLET DIAMETER	MAX FLOW	X	X1	Y	H	WEIGHT
	INCH	M <sup>3</sup> /HR	MM	MM	MM	MM	KG
<b>SA504B</b>	4	80	237	240	350	833	83
<b>SA606B</b>	6	150	237	240	450	1,038	102
<b>SA508B</b>	8	250	237	240	550	1,265	119
<b>SA510B</b>	10	500	250	735	1,100	1,293	229
<b>SA512B</b>	12	600	280	770	1,250	1,765	262
<b>SA514B</b>	14	750	315	960	1,420	1,735	353

Maximum recommended Flow Rate - 120 micron in good quality water  
Backwash flow: 176 gpm (40 m<sup>3</sup>/hr)





### PRESSURE LOSS AT 120 MICRON

