

# Semi - Automatic Disc Filter

3"



## Cleaning Instructions

- Cleaning of the filter must be done when pressure differential across the disc filter reaches 0.6 kg/cm<sup>2</sup> (8.5psi) or when the clogging indicator red button pops up.
- Cleaning the semi-automatic filter must be done while the filter is under pressure.
- Gradually open the flushing valve below the filter.
- To start cleaning mode of filter, turn the handle (top of the filter) 90 degree in clockwise direction.
- When Cleaning operation starts, system pressure might increase during cleaning operation.
- When cleaning operating is over, filter handle direction should be at filtration mode and then flushing valve should close gradually.
- In case the filter is still clogged (pressure indicator button is up). Repeat the above steps for effective disc cleaning.

Specifications	AQ-136T-SAD	
	US Standard	Metric Standard
Inlet/outlet connection	3" NPT male thread	3" BSP Male Thread
Max. Working Pressure (PPGF Filter)	110 Psi	8 kg/cm <sup>2</sup>
Max. Working Pressure (PA Filter)	145 Psi	10 kg/cm <sup>2</sup>
Range of Flow Rate	154-220 GPM	35-50 m <sup>3</sup> /h
Nominal Flow Rate	176 GPM	40 m <sup>3</sup> /h
Filtration Surface area	246.45 in <sup>2</sup>	1590 cm <sup>2</sup>
Material of Construction	Glass Filled Polypropylene/ Polyamide	
Material of Disc	Polypropylene disc	Polypropylene disc
Cartridge Diameter	4.8 in	122 mm
Cartridge Length	20.1 in	510mm
Available Mesh	80, 120, 150 mesh	80, 120, 150 mesh

### Filtering Element

80 Mesh	
120 Mesh	
150 Mesh	

Head Loss : AQ -136T-SAD					
Flow, m <sup>3</sup> /h	28	35	40	50	60
Pressure Loss, kg/cm <sup>2</sup>	0.25	0.31	0.37	0.52	0.73
Flow, GPM	123.2	154	176	220	264
Pressure Loss, Psi	3.55	4.40	5.25	7.38	10.37



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