

# Double Body Disc Filters




4"



Specifications	AQ-138DS		AQ-138D	
	US Standard	Metric Standard	US Standard	Metric Standard
Inlet/outlet connection	4" NPT male thread	4" BSP Male Thread	4" NPT male thread	4" BSP Male Thread
Max. Working Pressure (PPGF Filter)	110 Psi	8 kg/cm <sup>2</sup>	110 Psi	8 kg/cm <sup>2</sup>
Max. Working Pressure (PA Filter)	145 Psi	10 kg/cm <sup>2</sup>	145 Psi	10 kg/cm <sup>2</sup>
Range of Flow Rate	264-352 GPM	60-80 m <sup>3</sup> /h	352-440 GPM	80-100 m <sup>3</sup> /h
Nominal Flow Rate	308 GPM	70 m <sup>3</sup> /h	396 GPM	90 m <sup>3</sup> /h
Filtration Surface area	369.8 in <sup>2</sup>	2386 cm <sup>2</sup>	524 in <sup>2</sup>	3380 cm <sup>2</sup>
Material of Construction	Glass Filled Polypropylene/ Polyamide		Glass Filled Polypropylene/ Polyamide	
Material of Disc	Polypropylene disc	Polypropylene disc	Polypropylene disc	Polypropylene disc
Cartridge Diameter	4.8 in	122mm	4.8 in	122 mm
Cartridge Length	15.28 in x 2	388mm x 2	20.3 in x 2	515mm x 2
Available Mesh	80, 120, 150 mesh	80, 120, 150 mesh	80, 120, 150 mesh	80, 120, 150 mesh

Head Loss : AQ -138DS					
Flow, m <sup>3</sup> /h	48	60	70	80	96
Pressure Loss, kg/cm <sup>2</sup>	0.16	0.22	0.29	0.38	0.52
Flow, GPM	211.2	264	308	352	422.4
Pressure Loss, Psi	2.27	3.12	4.12	5.40	7.38

### Filtering Element

80 Mesh	
120 Mesh	
150 Mesh	

Head Loss : AQ -138D					
Flow, m <sup>3</sup> /h	64	80	90	100	120
Pressure Loss, kg/cm <sup>2</sup>	0.24	0.34	0.42	0.5	0.7
Flow, GPM	281.6	352	396	440	528
Pressure Loss, Psi	3.41	4.83	5.96	7.10	9.94



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