

Type A	✓	✓	✓	✓
Type B	✓	✓	✓	✓
Type C	✓	✓	✓	✓
Type D	✓	✓	✓	✓

### Avenger Products

Avenger 33	Avenger 33M	Avenger 38	Avenger 38M	Avenger 91
				

### Product Line Comparison

- ▶ P = Particulate Filtration of Gas & Liquid Streams, C = Coalescing Filtration for Gas Streams, M = Removal of Aerosol Mist from Gas Streams, L = Liquid Block Technology™
- ▶ Temperature ratings will be dependant upon element/membrane type. Please refer to individual product sheets for temperature ratings.

Model	Maximum Pressure psig (barg)	Number of Ports	Function	Mounting Orientation
Avenger 33	1,000 (68.9)	5	P, C	Horizontal
Avenger 33M*			P, C, M, L	
Avenger 38	2,000 (137.9)		P, C	
Avenger 38M*			P, C, M, L	
Avenger 91	3,750 (258.6)	3 or 5	P, C	Vertical or Horizontal

\* These models contain Genie Gas/Liquid Separation Membrane & optional Liquid Block Technology™ in addition to a coalescing/particulate filter element, and are for use in gas streams only.

### Filter Element Flow Rates for Liquid Applications

Model	Housing Volume CC	Water Flow Rate gallons per hour (liters per hour)					
		Initial Pressure Drop psi (bar)	Elements		Initial Pressure Drop psi (bar)	Elements	
Avenger 33	200	4 (0.3)	07CFS	100 (378.5)	1 (0.1)	SS10	62
Avenger 38	50					7 (0.5)	
Avenger 91	27	1 (0.1)	07PI 07PF 07CFS	5 (18.9)	1 (0.1)	SS10a	26
						SS100a	38

### Flow Rates with Filter Element & Membrane for Gas Applications

- ▶ Maximum flow results in an approximate 2 PSI pressure drop through the filter.

Maximum Recommended Outlet Flow Rate SLPM (SCFH)		
Model	Type 6 Membrane	Type 7 Membrane
Avenger 33M	4.7 (10)	13 (27)
Avenger 38M	0.76 (1.6)	4.7 (10)



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Type C	✗	✗	✓
Type D	✓	✗	✗

### Avenger Products

Avenger 33	Avenger 33M	Avenger 38	Avenger 38M	Avenger 91
				

### Filter Element Flow Rates for Gas Applications

► Flow rates result in a 2 PSI pressure drop through the filter element.

Model	Housing Volume CC	Filter Element Type	Flow Rates at indicated line pressure SCFM								
			2 psig	20 psig	40 psig	60 psig	80 psig	100 psig	160 psig	200 psig	250 psig
33	200	07CFS	3	7	10	14	18	22	---	41	51
		SS10	3.6	7.8	12	17	21	26	37	48	69
38	50	07CFS	3	7	10	14	18	22	---	41	51
		SS10	3.6	7.8	12	17	21	26	37	48	69
91	27	07PI 07PF 07CFS	.03	3	5	7	8	10	---	19	23
		SS10A	1.2	2.4	3.9	5.4	6.6	8.1	12	15	19
		SS100A	4.4	8.8	14	20	24	30	43	56	68

Model	Housing Volume CC	Filter Element Type	Flow Rates at indicated line pressure SCFM								
			300 psig	500 psig	750 psig	1000 psig	1500 psig	2000 psig	2500 psig	3000 psig	3750 psig
33	200	07CFS	60	99	147	195	---	---	---	---	---
		SS10	70	114	---	---	---	---	---	---	---
38	50	07CFS	60	99	147	195	291	387	---	---	---
		SS10	70	114	---	---	---	---	---	---	---
91	27	07PI 07PF 07CFS	27	45	67	88	132	180	220	260	330
		SS10A	22	36	---	---	---	---	---	---	---
		SS100A	81	133	---	---	---	---	---	---	---

