



- 300 PSIG Rating With Visual Differential Indicator
- 500 PSIG Rating Without Indicator
- Indicator Set At 15 PSID Change-Out
- Integral Nylon Element Retainer Core Support

Our medium pressure filter assemblies protect equipment and sensitive instruments from particulate, water and oil present in compressed air/gas systems.

They come complete with a 70C (95% efficient at 0.1 micron) element but other element types and grades are readily available including: SS, PEL, and pleated.

**PRINCIPLE SPECIFICATIONS**

HOUSING MODEL:	AA.3.2.178.N.1.VDI	AA.5.3.152.N.1.VDI
<b>Port Size (NPT)</b>	½"	1"
<b>Drain (NPT)</b>	1/8"	1/8"
<b>Maximum Temperature (°F)</b>	200	200
<b>Maximum Pressure</b>	300	300
<b>Maximum Pressure without VDI.AA</b>	500	500
<b>Principle Dimensions (ins):</b>		
Center Of Port To Head	0.75	1
Head Diameter	3.34	3.94
Overall Length	12.00	11.61
Housing Length Only	14.50	19.00
Element Removal Clearance	10.00	8.50
<b>Filter Element Code (1):</b>	25-178-70C	38-152-70C
Maximum Pressure Drop-(psi)	30	30
Maximum Pressure Drop At Element Change-(psi)	10	10
<b>Materials of Construction (2):</b>		
-Head	AL	AL
-Bowl	AL	AL
-Internals	Nylon	Nylon
-seals	Viton	Viton
-Others (Drain)	Brass	Brass
<b>Optional Items:</b>		
-Mounting bracket	MBAA3.2	BMAA3.2
-Bowl guard	N/A	N/A
-Viton seal set	GVAA3.2	GVAA5.3
-DPI kit	VDI.AA	VDI.AA

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 FINE FILTRATION FOR INDUSTRY

**MEDIUM PRESSURE FILTER ASSEMBLIES**

**AIR FLOW RATES IN SCFM WITH VARIOUS COALESCING ELEMENTS**

**AIR PRESSURE (psig)**

HOUSING	GRADE	2	20	40	60	80	100	150	200	250	*500
AA.3.2.178.N.1.VDI	70C	22	45	72	98	125	150	215	280	345	536
	50C	8.7	18	29	39	50	60	86	112	138	260
AA.5.3.152.N.1.VDI	70C	58	120	190	260	330	400	570	750	870	980
	50C	15	30	48	65	83	100	144	187	230	447

\* For operating pressure above 300 psig do not use housing with visual differential indicator.  
Use housing #AA.3.2.178.N.1-70C and AA.5.3.152.N.1-70C with 500 psig rating.

70C= 95% at 0.1 micron

50C= 99.99% at 0.1 micron

The 500 psig rating (without indicator) make these units an affordable alternative to carbon steel or stainless steel assemblies with the same rating. A float drain is also available, and designated by adding the suffix "F".