



APF Medical Vacuum Filters

APF Medical Vacuum Filters are a highly specialised range of products that are designed to meet the requirements for specific applications in Hospitals, dental departments, pathology and pharmacy laboratories.

Critical applications such as these require the suction side of Vacuum pumps to be filtered to remove bacterial and other dangerous contaminants. Liquids that pass down the vacuum line are separated by the filter element and collected in the drain flask, that can be easily valved off and removed for sterilisation.

Model	Connec- tion	Free Air Capacity	Capacity @ 500mm Hg	Dimensions mm					
				A	B	C	H1	H2	H3
	BSP	m ³ /hr	m ³ /Hr						
APMV110	3/8"	7	21	85	50	90	255	237	55
APMV115	1/2"	15	45	85	50	90	255	237	55
APMV220	3/4"	25	75	101	70	104	395	371	80
APMV222	1"	35	105	101	70	104	395	371	80
APMV226	1"	50	150	129	80	132	510	480	80
APMV232	1 1/4"	75	225	129	80	132	510	480	80
APMV340	1 1/2"	111	333	154	102	158	529	492	130
APMV350	2"	125	375	154	102	158	787	750	130
APMV351	2"	170	510	154	102	158	787	750	130
APMV400	2 1/2"	210	219	154	-	219	717	200	200
APMV425	3"	250	750	219	-	190	834	779	200
APMV430	3"	285	855	219	-	190	928	873	200
APMV440	3"	339	1017	219	-	190	1152	1097	200

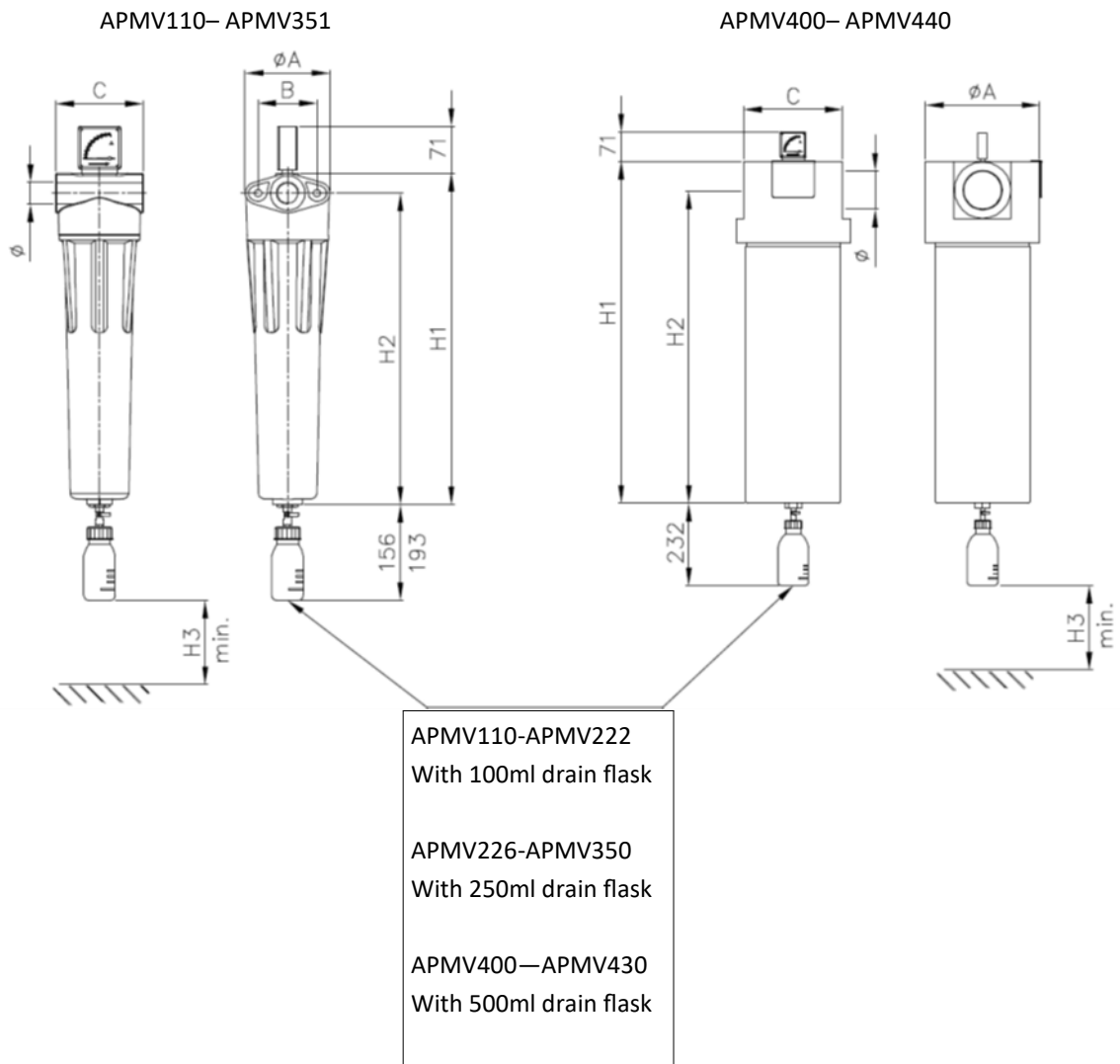
Penetration as per(BS3928)	Max Temp	$\Delta P \rightarrow$ Clean Element	$\Delta P \rightarrow$ Change Element	Max Vacuum	Max +ve Pressure
0.01%	100°C	35mbar	250mbar	1013mbar	7 Bar (a) (Drain Flask excluded)

Correction Factors:

Vacuum Grade mm Hg ³	atm	380	500	570	610	635
Correction Factors	1	2	3	4	5	6

For max flow rate, multiply flow rate (Nm³/h) by the correction factor corresponding to the working vacuum, thus obtaining the inlet pump vacuum flow rate (im³/hr)

Dimensional Drawings



Aluminium range with threaded connections (as per ISO 7/1, BS 21, manufactured according to the European Directive CE 97/23 – PED, where applicable).

- manufactured according to specs. UK Health Service Model Eng. 'g, part C section 11, and also according to HTM2022
- housings with anti-corrosion protection coating, external baked epoxy powder painting, white *RAL 9010*
- direction of air flow through filter element: **outside to inside**
- supplied with graduated scale differential pressure indicator DPS (scale 0-250 mbar), manual purge drain and sterilisable glass drain flask (100 ml for APMV110 ÷ APMV 222; 250 ml for APMV 226 ÷ APMV 350; 500 ml for APMV 351 ÷ APMV 481)