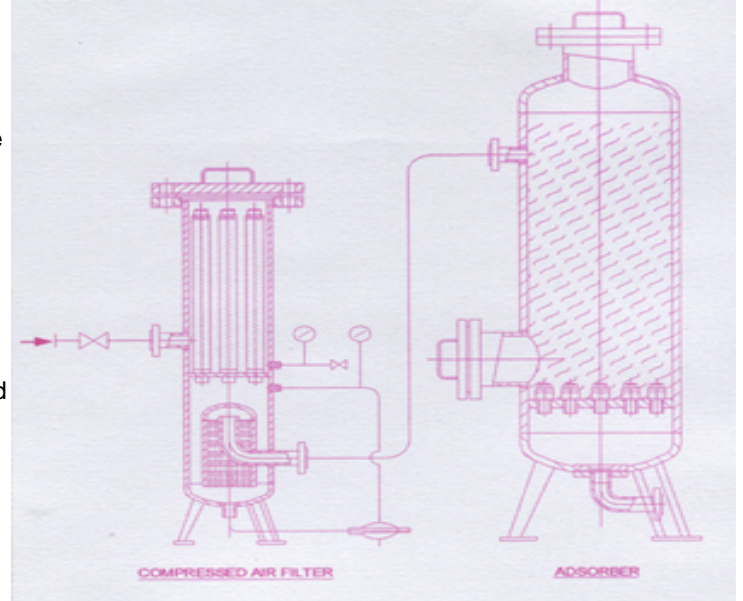


## Compressed Air and Activated Carbon Filter

**Mellcon** Compressed Air and Gas Filters being manufactured are best Tested for simultaneous mechanical separation of liquid droplets and of solid dust from compressed gases. Tested with oil mist, these filters will have to be followed by adsorber units which have the double function of removing the remaining mist particles and of adsorbing the dissolved gases and vapours. Such "Adsorbers" contain granular adsorption media, usually activated carbon or silica gel. The granules nearer to depth filter and liquid mist particles, meanwhile the farther granules adsorb the dissolved vapours. Working pressure : 10 kg/cm<sup>2</sup>. Material : Carbon Steel. Finish : Inside black bituminous paint. Flanges according to ASA-150 RT Ceramic filter cylinders of grain size 120. All sizes are supplied with separately packed carbon except the In-Line Adsorber, which is supplied with filled-in carbon.



### De-oiling plant for compressed air

One of the most commonly used pressure gas systems where the carrier gas contains solid impurities, mist and vapours at the same time, is that of compressed air.

In many cases the requirements call for the best possible separation of the oil carried with the air. The principle for an effective plant for such a purpose is shown in the diagram.

The units for the combined separation of residual mist and adsorption of oil vapour contain a special type of granular activated carbon of about 550g/l bulk weight. The oil adsorption capacity is about 5 to 10% of the carbon weight. Efficiency : practically complete de-oiling.

We supply : Complete filter for the filtration of gases and liquid equipped with filter elements made of porous ceramic or porous plastic materials or with filter cylinders and candles of porous ceramic or porous plastic materials.

Size	Dimensions mm						Connection ND	Filter cylinders		Capacity		Approx total weight kg.
	H	Ø	a	b	c	d		No.	Dimensions mm	NM/hr at 8.0bar	m3/h (actual)	
681-150	1220	159	150	---	---	---	25	2	70/40 Ø  x 50 mm long	90	10	35
681- 250	1460	267	120	---	110	---	32	2		220	25	100
681-300	1500	318	120	---	125	---	40	4		450	50	155
681-350	1780	368	130	1440	130	260	40	7		700	75	185
681- 400	1970	419	150	1620	150	290	50	9		1100	125	235
681- 500	2010	521	150	1650	170	340	65	14		1500	175	370
681- 700	2350	720	180	1900	200	460	80	32		3000	350	750
681 - 800	2600	820	200	2075	230	520	100	64		5500	650	900
681- 1000	2870	1020	300	2250	275	625	150	109		9500	1100	---
681- 1200	3000	1200	300	2320	370	720	200	152		---	1550	---
IN-LINE	500	120	---	---	---	---	3/4"	2	35/20 Ø 65mm long	3.5 kg.	10 m3/h	12 kg.

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