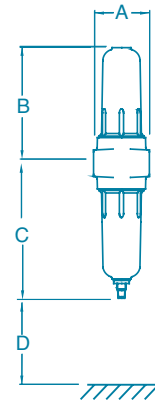


# XAC

## Compressed Air Duplex Filters

The XAC duplex range of filters offers a space saving, economical filtration solution. Duplex filters combine a XA 0.01 micron coalescing filter element which reduces oil concentrations and an AC, secondary activated carbon filter element which removes odours and tastes.



Models D20 XAC to D45 XAC

FILTER MODEL	PIPE SIZE	FLOW RATE		DIMENSIONS mm				WEIGHT		DIMENSIONS inch				COMPLETE PRICE £	ELEMENT MODEL	ELEMENT PRICE £	NO. OF ELEMENTS
		Nm <sup>3</sup> /h	SCFM	A	B	C	D	Kg	lb	A	B	C	D				
<b>D20 XAC</b>	1/4	25	15	72	150	173	75	0.85	1.9	3	6	7	3	<b>148.00</b>	<b>E361 XA/E381 AC</b>	<b>33.00/25.00</b>	1/1
<b>D30 XAC</b>	3/8	50	30	72	150	173	75	0.85	1.9	3	6	7	3	<b>188.00</b>	<b>E371 XA/E381 AC</b>	<b>45.00/25.00</b>	1/1
<b>D45 XAC</b>	1/2	75	45	90	200	225	100	1.25	2.75	3 1/2	8	9	4	<b>242.00</b>	<b>E51 XA/E02 AC</b>	<b>54.00/34.00</b>	1/1

SPECIFICATION	GRADE XA		GRADE AC	
Maximum particle size class air quality to ISO 8573-1:2001 (E)	1			
Maximum oil content class air quality to ISO 8573-1:2001 (E)	1			
Particle removal	0.01 micron			
Maximum oil carryover at 20°C (68°F)	0.01 mg/m <sup>3</sup>	0.01 ppm	0.003 mg/m <sup>3</sup>	0.003 ppm
Maximum temperature	25°C	77°F	25°C	77°F
Pressure loss - clean & dry	150 mbar	2.2 psi	75 mbar	1.1 psi
Pressure loss - oil saturated	300 mbar	4.4 psi	see notes	
Pressure loss - change element	400 mbar	6 psi	see notes	
Maximum working pressure	16 barg	232 psig	16 barg	232 psig
Element end cap colour code	Blue (XA bottom element)		Black (activated carbon top element)	

### Technical Notes

- Filter element end caps are colour coded. Direction of air flow, inside to out, through XA grade and outside to in through AC grade filter element.
- Activated carbon filters must NOT operate in oil saturated conditions and will not remove certain types of gases including carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>). Models D20 XAC to D45 XAC, element XA in the lower section is for oil removal while elements AC in the upper section is for odour removal.
- Grade AC elements must be changed periodically to suit application but at least every 6 months or after 1000 hours whichever is sooner.
- Activated carbon filters and towers for larger applications are available to order.
- Float operated automatic drain valves are fitted to all models.
- Duplex filters and filter elements are suitable for use with mineral and synthetic oils plus oil-free compressed air applications.
- For larger flow applications please refer to the threaded or flanged filter pages.
- Duplex filters and filter elements are silicone free.
- Correction factors shown on page 2 for flow rates at other working pressures.

