

AIR TREATMENT PRODUCTS

FILTERS, WATER SEPARATORS & ACTIVATED CARBON CARTRIDGES



AIR TREATMENT

HIGH EFFICIENCY FILTRATION FOR CLEAN AND TECHNICALLY OIL-FREE COMPRESSED AIR

Compressed air is a powerful and versatile energy source. Compressed air also contains contaminants from the surrounding atmosphere and from the compression process. It is estimated that an average of 140 million dirt particles are found in a cubic metre of air.

80 percent of these contaminants are so small they will pass through your compressor's intake filter and find their way to process line to either cause frequent expensive downtime of your pneumatic equipment or adversely affect the quality of your end products. This is why it makes sense to incorporate compressed air treatment into your compressed air system.

CE-SERIES FILTERS

Filter Model	Conn Size	Capacity At 7 Bar g			Max Operating Pressure (bar)	Approx. Weight (kg)	Dimensions (mm)				Replacement Element
		(m3/min)	(cfm)	(litres/sec)			A	B	C	D	
CE012	1/2"	0.78	27	13.00	16	1.2	91	189	26.5	100	ECE012
CE018	1/2"	1.08	38	18.00	16	1.2	91	189	26.5	100	ECE018
CE025	1/2"	1.49	53	25.00	16	1.2	91	189	26.5	100	ECE025
CE041	3/4"	2.49	88	41.53	16	1.6	91	262	26.5	169	ECE041
CE062	1"	3.73	132	62.30	16	3.8	139	252	40	123	ECE062
CE112	1 1/4"	6.73	237	111.85	16	4.2	139	355	40	233	ECE112
CE177	1 1/2"	10.62	375	176.98	16	4.6	139	457	40	326	ECE177
CE233	1 1/2"	13.99	494	233.14	16	6.4	190	652	40	521	ECE233
CE343	2"	20.60	727	343.10	16	14.2	190	480	56.5	377	ECE343
CE514	2 1/2"	30.87	1099	518.67	16	16.4	190	660	56.5	541	ECE514



GE-SERIES & F SERIES FILTERS

Filter Model	Conn Size	Capacity At 7 Bar g			Max Operating Pressure (bar)	Approx. Weight (kg)	Dimensions (mm)				Replacement Element	Qty
		(m3/min)	(cfm)	(litres/sec)			A	B	C	D		
GE625	3"	37.5	1324	625	16	20	250	1310	200	530	EA625	1
GE775	3"	46.62	1645	777	16	27.5	250	1310	200	530	EA775	1
F870	DN100	52.32	1847	872	16	108	500	1440	230	550	EA430	2
F1300	DN100	78.48	2770	1308	16	110	500	1440	230	550	EA430	3
F1745	DN150	104.7	3695	1745	16	151	640	1590	280	550	EA430	4
F2615	DN150	156.96	5540	2616	16	212	790	1660	300	550	EA430	6



FILTER GRADES

FILTER GRADE	PARTICLE REMOVAL DOWN TO	OIL REMOVAL DOWN TO	NOMINAL INITIAL PRESSURE DROP
P	3 micron	-	0.03 bar g
U	1 micron	0.1mg/m ³	0.05 bar g
H	0.01 micron	0.01mg/m ³	0.09 bar g
C	-	0.003mg/	0.10 bar g

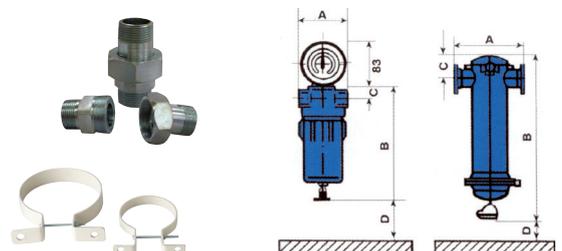
- Maximum recommended operating temperature = 80°C
- Minimum recommended operating temperature = 1°C
- Maximum recommended pressure differential for element change is 0.6 bar (except Grade C)
- CE & GE Series = aluminium housing, F Series = carbon steel housing
- Filters come complete with differential pressure gauge included

CAPACITY CORRECTION FACTOR FOR VARIOUS OPERATING PRESSURES

PRESSURE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Factor	0.25	0.38	0.5	0.65	0.75	0.88	1.00	1.13	1.25	1.38	1.50	1.63	1.75	1.50	2.00	2.13

OPTIONS

- Filter / moisture separator mounting kits
- Connection kit for filter / moisture separators
- Optional differential gauge with voltage free alarm contact
- Please contact CAPS for further information on other options



WATER SEPARATORS

CENTRIFUGAL SEPARATION TO REMOVE UP TO 99% OF WATER AEROSOL IN COMPRESSED AIR

Compressed air is normally saturated with moisture in the form of water vapour as well as aerosol, and this needs to be removed to prevent problems further downstream at the point of application.

CAPS' water separator is specially designed based on a proven centrifugal separation that removes up to 99% of the water aerosol in compressed air. Working in conjunction with other compressed air treatment products like filters, after coolers and dryers, the water separator is a very cost effective way of further enhancing their efficiency by ensuring that bulk water generated in the compressed air is properly separated and discharged from the system.

FEATURES & ADVANTAGES

- Removes up to 99% bulk water
- Very low maintenance cost
- Simple and easy to install
- Efficient automatic drain
- Robust aluminium housing



CECS-SERIES WATER SEPARATORS

Water Separator Model	Conn Size	Capacity At 7 Bar g			Max Operating Pressure (bar)	Approx. Weight (kg)	Dimensions (mm)			
		(m3/min)	(cfm)	(litres/sec)			A	B	C	D
CECS012	1/4"	0.60	21	9.91	16	0.98	91	170	26.5	66
CECS018	3/8"	1.25	44	20.83	16	0.98	91	189	26.5	82
CECS025	1/2"	2.84	100	47.33	16	0.98	91	189	26.5	100
CECS041	3/4"	4.52	159	75.33	16	1.10	91	262	26.5	169
CECS062	1"	7.02	247	117	16	3.46	139	252	40	123
CECS112	1 1/4"	11.02	389	183.67	16	3.73	139	355	40	233
CECS177	1 1/2"	18.50	653	308.33	16	4.30	139	457	40	326
CECS343	2"	21.08	744	351.13	16	10.70	190	652	40	521
CECS343-65	2 1/2"	35.58	1249	589.46	16	14.20	190	480	56.5	377

CAPACITY CORRECTION FACTOR FOR VARIOUS OPERATING PRESSURE

PRESSURE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Factor	0.25	0.38	0.5	0.65	0.75	0.88	1.00	1.13	1.25	1.38	1.50	1.63	1.75	1.50	2.00	2.13

GENERAL INFORMATION

- Maximum recommended operating temperature = 80°C
- Minimum recommended operating temperature = 1°C
- Nominal differential pressure of 0.03 barg
- Water separators come complete with autodrain

ACTIVATED CARBON CARTRIDGES

ACTIVATED CARBON OIL VAPOUR ADSORBER

Activated carbon reduces the oil vapour content of the compressed air to minimum residual levels. Oil vapour is the second largest vapour phase in compressed air and, like moisture, is highly likely to condense - in the case of oil vapour it condenses to form liquid oil.

High-grade removal of oil vapour using an activated carbon oil vapour adsorber reliably prevents condensation processes during cooling of compressed air and thus the formation of liquid oil. In addition, activated carbon oil vapour adsorbers remove a variety of other hydrocarbons, odours and flavours.

FEATURES & ADVANTAGES

- Perfect for point of use oil vapour absorber (without liquid contaminants)
- Reduce oil vapour content (nominal) to $\leq 0.003\text{mg/m}^3$
- Much higher amounts of activated carbon granule compared to same size filter elements for long service interval
- Integrated post filter to capture any loose carbon dust
- Optional oil indicator to provide service warning



FCA SERIES ACTIVATED CARBON CARTRIDGE

Filter Model	Conn Size	Capacity At 7 Bar g			Max Operating Pressure (bar)	Approx. Weight (kg)	Dimensions (mm)				Replacement Element	Qty
		(m3/min)	(cfm)	(litres/sec)			A	B	C	D		
FCA50CAM	1/2"	1.17	41	19	16	1	87	183	21	83	EFST50CA	1
FCA70CAM	1/2"	1.67	59	27	16	1.5	87	253	21	152	EFST70CA	1
FCA95CAM	1"	2.67	94	44	16	4.1	130	289	43	132	EFST90CA	1
FCA110CAM	1"	4	141	66	16	4.5	130	387	43	232	EFST110CA	1
FCA120CAM	1-1/2"	3.47	122	57	16	5	130	487	43	332	EFST120CA	1

CAPACITY CORRECTION FACTOR FOR VARIOUS OPERATING PRESSURE

CORRECTION FACTORS										
Inlet Temperature	25	30	35	40	45					
	1	1	1	0.94	0.92					
Pressure	6	7	8	9	10	11	12	13	14	
	0.88	1	1.13	1.25	1.38	1.50	1.63	1.75	1.88	

GENERAL INFORMATION

* Rating is based on 20°C Inlet, 3°C PDP & 700 kPa(g).

* Maximum Operating Parameters: Pressure = 4 to 16Barg, Inlet Temperature 45°C

* Please ensure the inlet compressed air dew point is 3°C PDP or below

GET IN TOUCH.

24/7 SUPPORT: 1800 800 878

WEBSITE: CAPS.COM.AU

SHOP: CAPSSHOP.COM.AU

EMAIL: INFO@CAPS.COM.AU

BRANCH LOCATIONS

PERTH (HEAD OFFICE) | KALGOORLIE | MELBOURNE | SYDNEY
NEWCASTLE | ADELAIDE | BRISBANE | MACKAY | DARWIN

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