



CE SERIES FILTERS & MOISTURE SEPARATOR



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 downtimes 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	Cap. At 7 Bar g			Max Oper. Pressure (bar)	Approx. Weight (kg)	Dimensions				Replacement Element
		(m3/min)	(cfm)	(litres/sec)			A	B	C	D	
CE025	1/2"	1.49	53	25.00	16.00	1.20	91	189	26.5	100	ECE025
CE041	3/4"	2.49	88	41.53	16.00	1.60	91	262	26.5	169	ECE041
CE062	1"	3.73	132	62.30	16.00	3.80	139	252	40	123	ECE062
CE112	1-1/4"	6.73	237	111.85	16.00	4.20	139	355	40	233	ECE112
CE177	1-1/2"	10.62	375	176.98	16.00	4.60	139	457	40	326	ECE177
CE233	1-1/2"	13.99	494	233.14	16.00	6.40	190	652	40	521	ECE233
CE343	2"	20.60	727	343.10	16.00	14.20	190	480	56.5	377	ECE343
CE514	2-1/2"	30.87	1099	518.67	16.00	16.40	190	660	56.5	541	ECE514

FILTER GRADES

Filter Grade	Particle Removal Down To	Oil Removal Down To	Nominal Initial Pressure Drop
P	3 micron	-	0.03bar g
U	1 micron	0.1mg/m3	0.05bar g
H	0.01 micron	0.01mg/m3	0.09bar g
C	-	0.003mg/m3	0.10bar g

General Information

Maximum recommended operating temperature = 80°C

Minimum recommended operating temperature = 1°C

Maximum recommended pressure differential for element change is 0.6bar (except Grade C)

Material of housing is Aluminium

Filters come complete with autodrain.

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



ACCESSORIES

- 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.

Conquest's water separator is specially designed based on the proven centrifugal separation to remove 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	Cap. At 7 Bar g			Max Oper. Pressure (bar)	Approx. Weight (kg)	Dimensions			
		(m3/min)	(cfm)	(litres/sec)			A	B	C	D
CECS012	1/4"	0.60	21	9.91	16.00	0.98	91	155	26.5	66
CECS018	3/8"	1.06	38	17.93	16.00	0.98	91	189	26.5	82
CECS025	1/2"	2.09	73	34.45	16.00	0.98	91	189	26.5	100
CECS041	3/4"	3.70	131	61.83	16.00	1.10	91	262	26.5	169
CECS062	1"	5.57	196	92.50	16.00	3.46	139	252	40	123
CECS112	1-1/4"	10.45	369	174.15	16.00	3.73	139	355	40	233
CECS177	1-1/2"	13.09	462	218.04	16.00	4.30	139	457	40	326
CECS343	2"	21.08	744	351.13	16.00	10.70	190	652	40	521
CECS343-65	2-1/2"	35.58	1249	589.46	16.00	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

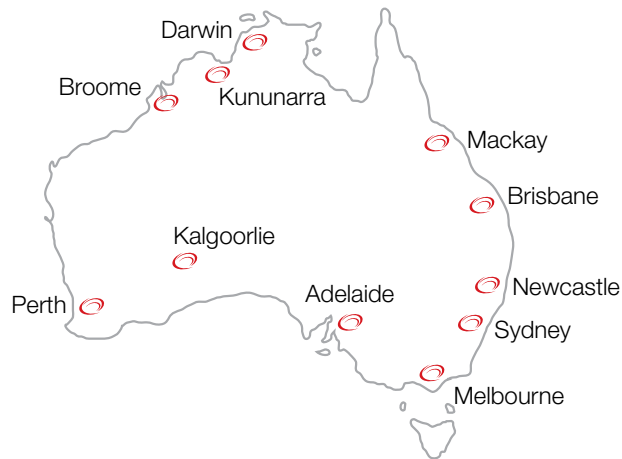
General Information

Maximum recommended operating temperature = 80°C

Minimum recommended operating temperature = 1°C

Nominal differential pressure of 0.03barg

Filters come completed with autodrain and differential gauge



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