



+ Features and Benefits

OIL FREE COMPRESSED AIR:
continuously produced from any compressor type down to 0.003 mg/m³

INDEPENDENT OF CONDITIONS:
stable residual oil content throughout the year, independent from any ambient condition

ENVIRONMENTALLY FRIENDLY:
produces oil free condensate of the highest quality

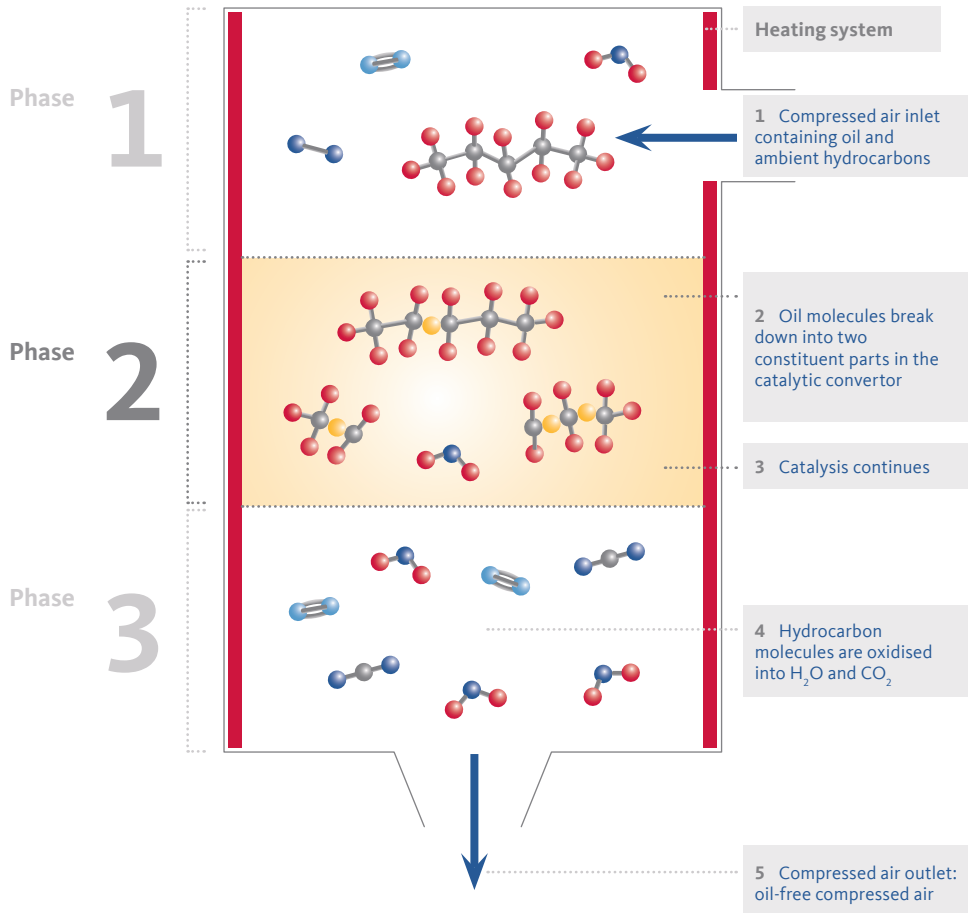


PARTIAL LOAD OPERATION:
maximum process reliability regardless of production fluctuations

RESPONSIVE CONTROLS:
ensures machine safety and operational accuracy

+ Operating Principle

Oil molecule (carbon and hydrogen)	
Catalytic converter	
N-nitrogen	
O ₂ -oxygen	
CO ₂ -carbon dioxide	
H ₂ O-water	



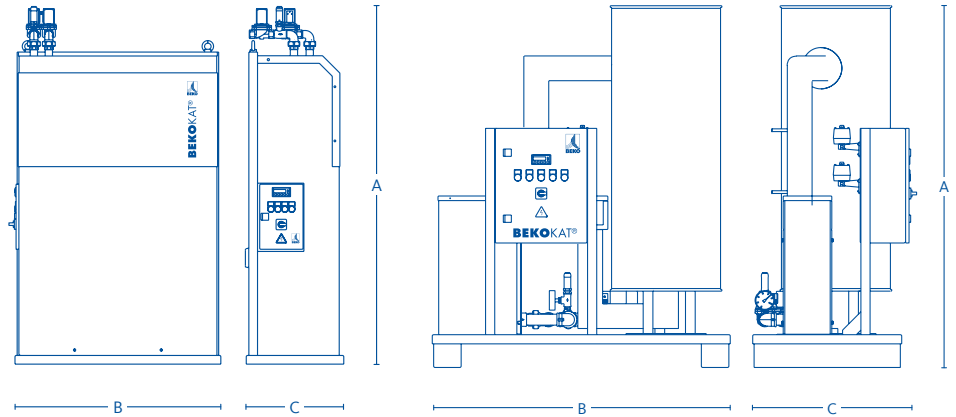
BEKOKAT® Catalytic Conversions Systems

for complete compressed air oil removal up to 700 scfm with a single unit



Max. operating pressure

CC 035-CC 070 :	232 psig
CC 105-CC 425 :	232 psig
CC 705:	160 psig
Standard Voltage (Vac):	230 / 1Ph
	460 / 3Ph
Attainable oil residue	≥ 0.003 mg/m ³
Max. Operating Temperature	+383 °F
Min. Operating Temperature	+41 °F



BEKOKAT®	CC035	CC070	CC 105	CC 210	CC 425	CC 705
Flow Rate (scfm)	35	70	105	210	425	705
Pipe Size (NPT)	1"	1"	1½"	1½"	2"	2½"
Installed Power (kW)	1.00	1.64	2.60	5.10	8.70	13.80
Power Consumption (Stand-by kW)	.0992	.1115	.1594	.1474	.2400	.2520
Power Consumption (Full Load kW)	.52	.86	1.33	2.17	3.26	3.75
Dimension data						
A (inches)	68.3	67.7	56.7	62.1	68.8	85.3
B (inches)	31.5	37.4	37.4	51.2	61.0	64.9
C (inches)	16.5	17.7	20.7	28.1	33.5	41.3
Weight (lbs)	286	440	605	693	1157	1774

Correction Factor

Operating Pressure (psig)	20	40	60	80	90	100	110	120	130	140	160	180	200	230
Correction Factor	.30	.48	.65	.82	.91	1.00	1.09	1.17	1.26	1.35	1.52	1.70	1.87	2.13

Differential Pressure

Differential Pressure at 100% Load	CC 035	CC 070	CC 105	CC 210	CC 425	CC 705
psid	4.35	4.35	8.70	8.70	13.05	8.70
Differential Pressure at 50% Load	CC 035	CC 070	CC 105	CC 210	CC 425	CC 705
psid	1.45	1.45	2.18	2.90	3.60	3.04