



Hydrocarbon Catalytic Systems

BEKOKAT®

for generating oil-free and bacteria-free compressed air



Truth in Compressed Air.

BEKOKAT® Hydrocarbon Catalytic Systems

At a Glance

Hydrocarbons are present in every compressed air stream even if you use oil-free compression due to the re-entry of hydrocarbons from the ambient air. Additionally, oil-free compressors are costly and not without potential failures (e.g. main crankcase seal failure) that can be catastrophic to an application. The only way to truly guarantee oil-free air (ISO 8573-1, Class 1) is through supplementary processing and assistance from a catalyst to break down hydrocarbon molecules in the compressed air stream.

Features and Benefits

+ Oil-free Compressed Air

Continuously produced from any compressor type down to 0.003 mg/m³

+ Germ-free Compressed Air

Generates amicrobic and spore-free air in accordance with ISO 8573-7

+ Independent of Conditions

Stable residual oil content and independent from any ambient hydrocarbon content

+ Partial Load Operation

Maximum process reliability regardless of production fluctuations

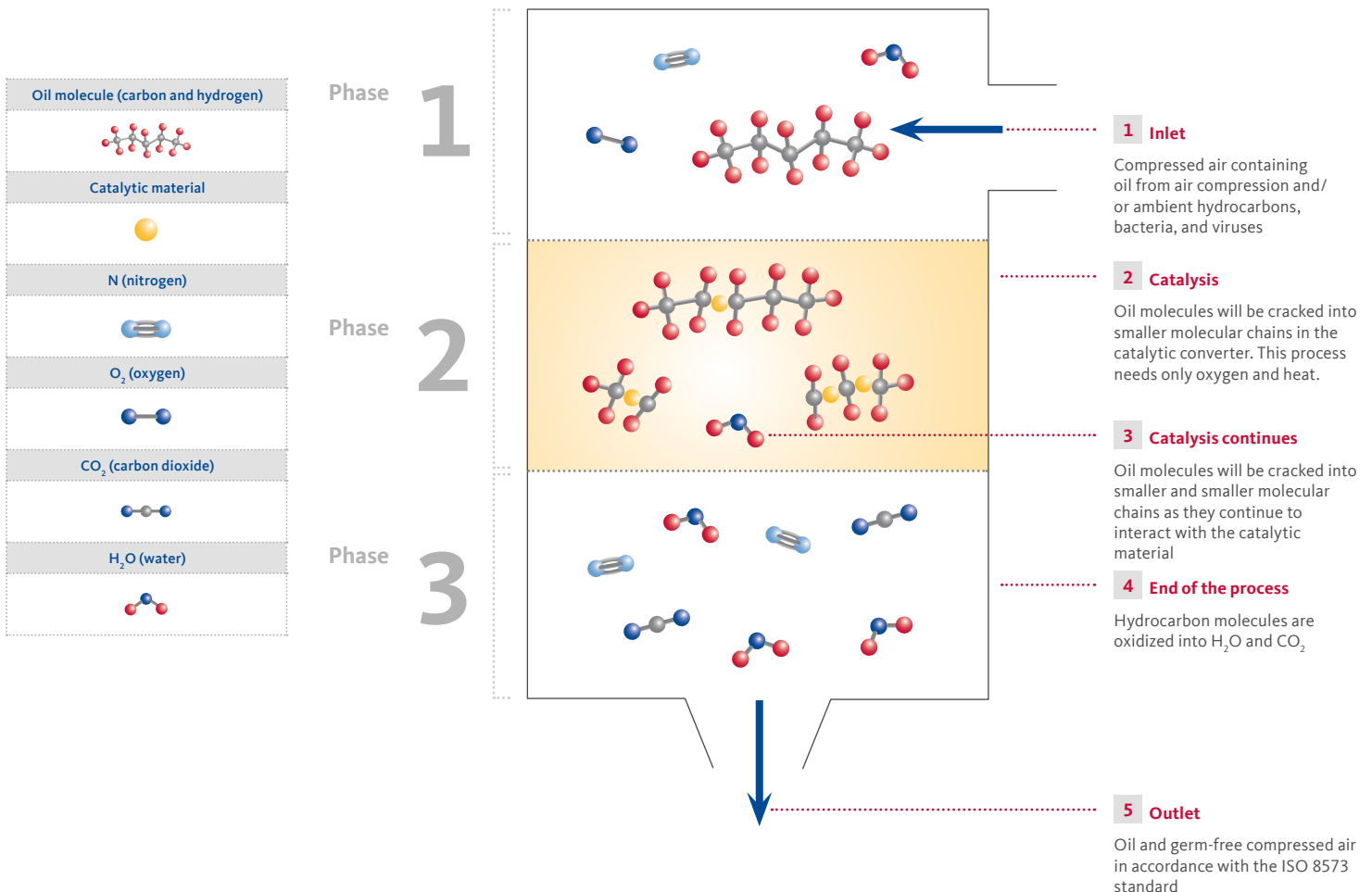
+ Responsive Controls

Ensures machine safety and operational accuracy

+ Self Recovery

Self Recovery even after increased oil carry over (e.g. oil filter failure)

How it Works

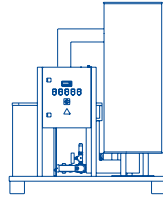


BEKOKAT[®] Hydrocarbon Catalytic Systems

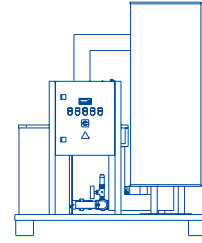
Compare



CC 035 - CC 070



CC 105 - CC 425



CC 705

Flow Rates

35 - 70 scfm

105 - 425 scfm

705 scfm

Standard Operating Pressure

232 psig

232 psig

160 psig

Standard Operating Voltage

230 Vac | 1 Ph | 60 Hz

460 Vac | 3 Ph | 60 Hz

460 Vac | 3 Ph | 60 Hz

Power Consumption

Stand-by: 0.0992 - 0.1115 kW
Full Load: 0.52 - 0.86 kW

Stand-by: 0.1594 - 0.2400 kW
Full Load: 1.33 - 3.26 kW

Stand-by: 0.2520 kW
Full Load: 3.75 kW

ISO 8573 Air Quality Class | TÜV Certified to Meet Class 1

Class 1 | Yes

Class 1 | Yes

Class 1 | Yes

Available Options

Cover3More extended warranty

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Product Family

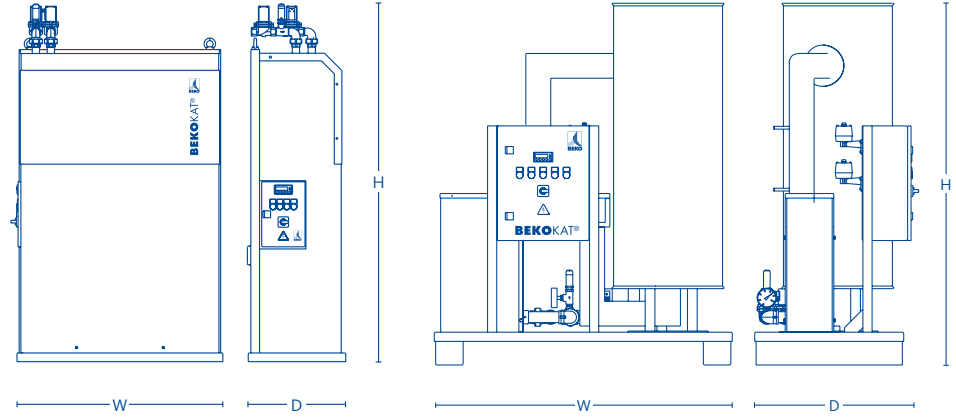


■ Technical Details

BEKOKAT® Catalytic Conversion Systems

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

- › Attainable residual oil at outlet: $\leq .003 \text{ mg/m}^3$
- › Oil-free air independent from ambient conditions
- › Produces germ-free, sterile air
- › ISO 8573-1, Class 1 certified
- › Min. / max. ambient conditions: 41 °F / 113 °F
- › Min. / max. inlet air temperature: -41 °F / 131 °F
- › Max. operating pressure: CC 035-425: 232 psig | CC 705: 160 psig



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"	1¼"	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
Dimensions and Weight						
H x W x D (inches)	68 x 32 x 17	68 x 37 x 18	57 x 37 x 21	62 x 51 x 28	69 x 61 x 34	85 x 65 x 41
Weight (lbs)	286	440	605	693	1,157	1,774

Correction Factor

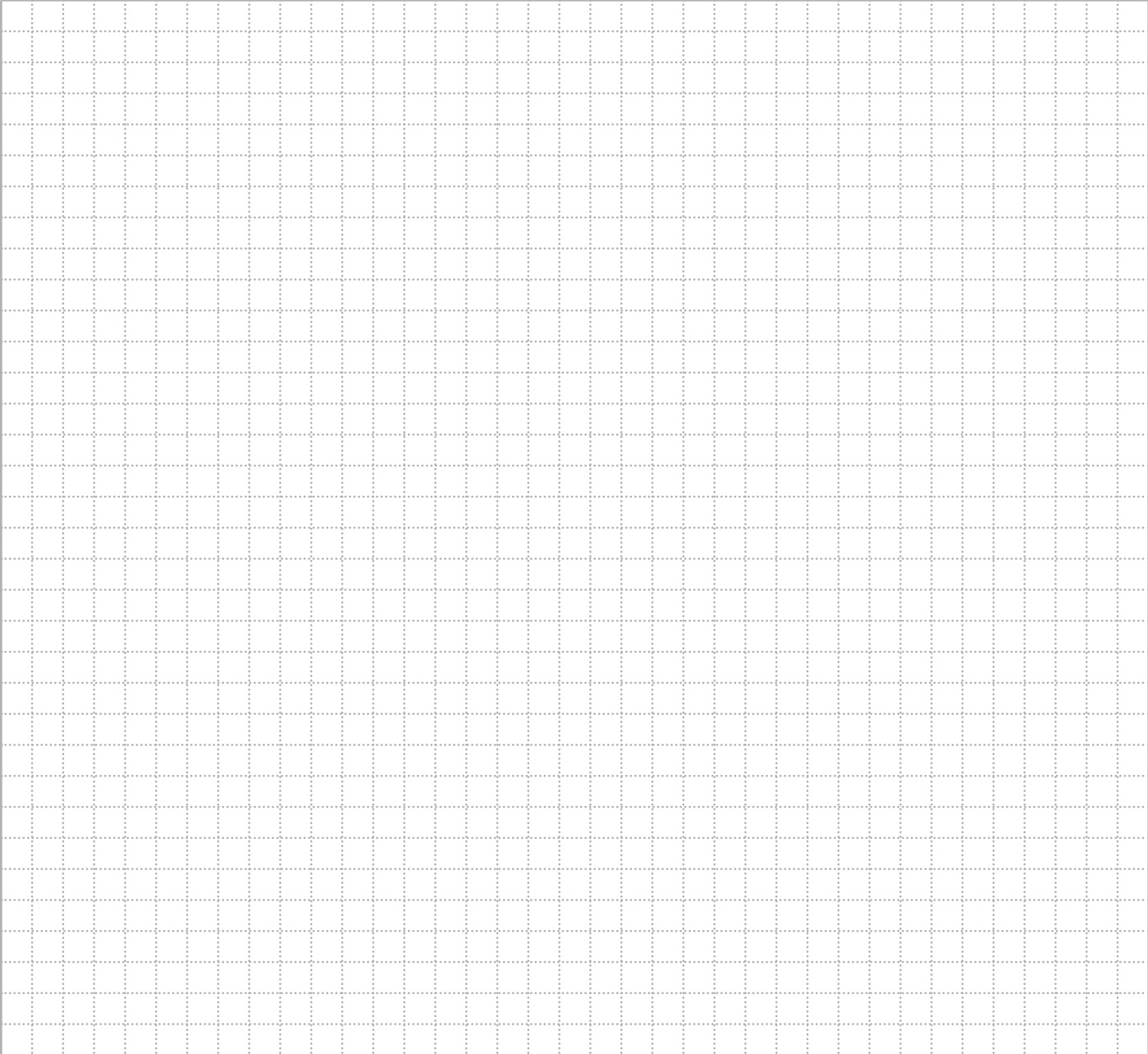
Operating Pressure (psig)	20	40	60	80	90	100	110	120	130	140	160	180	200	230
Correction Factor	.30	.48	.65	.82	.91	1.00	1.09	1.17	1.26	1.35	1.52	1.70	1.87	2.13

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

Reliable | Efficient | Innovative

What can we do for you?



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