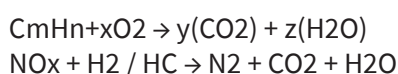


Catalytic Converter for BKG® JCP Jet Cleaners

Function of the Catalytic Converter

Instead of the secondary separator, a catalytic converter is extremely effective for cleaning the oven air and guarantees the cleaning according to the German Technical Guidelines on Air Quality Control.

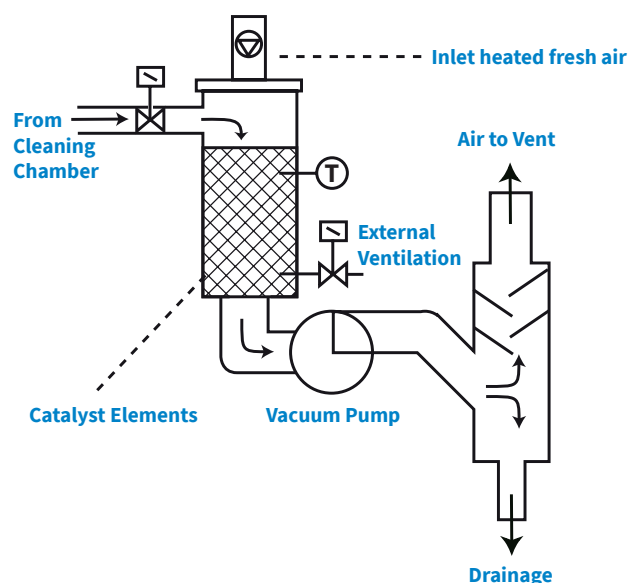
Cleaning Procedure (Redox Reaction):



This means the neutral substances N₂, CO₂ and H₂O from the gaseous hydrocarbons (split-off gases) of the plastic reach the environment. Thus, no pollutants of any kind reach the environment.

Warning: The catalytic converter must not be used when processing chlorine and fluorine-containing plastics or with catalyst poisons such as lead, heavy metals, halogens, sulfur or carbon monoxide!

Process Diagram b)

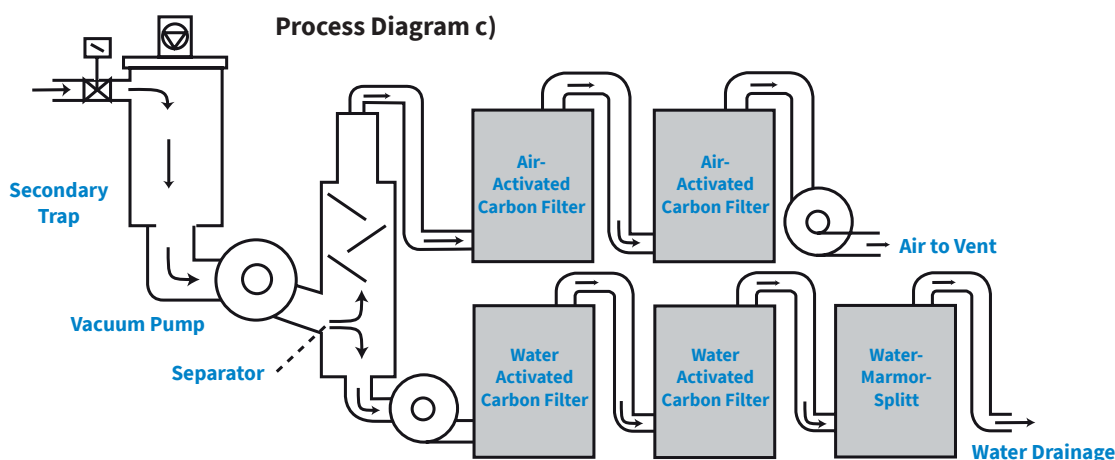


Alternative Filter Technology

Filter cascades (several in series) with activated charcoal and marble chips can also be used for cleaning exhaust air and wastewater (see process diagram c below). The exhaust air is conducted over tanks with activated char-coal which absorb the hydrocarbon parts. Similarly, the wastewater cleaning is done using activated charcoal and possibly using a downstream container with marble chips for reacting with

other radicals e.g. chlorine. The exchange or cleaning intervals depend on the amount of cleaning. The filtration system includes an additional water pump and an exhaust air blower. The design of the system must be made individually depending on the Jet Cleaner and the material for cleaning.

Process Diagram c)



Nordson BKG GmbH
Hessenweg 3-5
48157 Münster / Germany
+49.251.26501.0 Phone

USA
+1.828.326.9888 Phone

China
+86.21.5785.091.8 Phone

Japan
+81.3.5762.2770 Phone



nordsonpolymerprocessing.com | info@nordsonpolymerprocessing.com

© 2020 Nordson BKG GmbH
Printed in USA
06/2020

BKG is a trademark of Nordson Corporation,
registered in the United States and other countries.