



Construction criteria for air and gas phase purification systems

By filling in this form you give us the criteria for a first dimensioning of a UV-Fotooxidation treatment unit for gas phase. Depending on each individual case pilot testing (onsite) may be necessary.

(* minimum required details)

Basic data	Unit	
Medium (type, source, main components) *		
Task (contaminant degradation, disinfection, odor elimination, chemical manufacturing process,...)		
Flow rate *	Nm ³ /h	
Temperature of medium	°C	
max. contaminant concentration (see below) *	mg/m ³	
max. organic carbon concentration	mg/m ³	
max. contaminant load	g/h	
max. organic carbon load	g/h	
Desired degree of purification *	%	

Oxidizing materials	Unit	Initial pollution load	Limit values at outflow
	mg/m ³		
	mg/m ³		
	mg/m ³		
	mg/m ³		
	mg/m ³		
	mg/m ³		
	mg/m ³		
	mg/m ³		
	mg/m ³		

Chromatograms (if available)	(please attach if available)
------------------------------	------------------------------

Die Neue Fotooxidation



Other parameters	Unit	Estimated value (please check if applicable)	Actual value
Air humidity	% RH	<input type="checkbox"/> < 70	
Oxygen content	%	<input type="checkbox"/> > 10	
Dust:			
Concentration *	mg/m ³	<input type="checkbox"/> < 1	
Medium drop size (grain size distribution)	µm (please attach)	<input type="checkbox"/> < 1	
Composition	(please attach)		
Aerosols:			
Concentration	mg/m ³	<input type="checkbox"/> < 1	
Medium drop size (grain size distribution)	µm (please attach)	<input type="checkbox"/> < 1	
Composition	(please attach)		
Total (dust and aerosols):			
Concentration	mg/m ³	<input type="checkbox"/> < 1	
Medium drop size (grain size distribution)	µm (please attach)	<input type="checkbox"/> < 1	
Composition	(please attach)		

Additional information	Unit	Pilot testing unit	Major system
Installation site (inside, outside?)	-		
Installation area			
Area (length x width)	m ²		
Height	m		
Temperature on-site	°C		
Existing connection possibilities	DN		
Existing pre-treatment of medium flow	(please attach)		
Explosion protection classification of medium	Ex 0 bis Ex 2 oder entfällt		
Explosion protection classification of installation site	Ex 0 bis Ex 2 oder entfällt		
Other safety requirements (HSE)?			

Die Neue Fotooxidation

The logo for DNFO, consisting of the letters 'DNFO' in a bold, white, sans-serif font, set against a teal rectangular background.

Energy supply:	Unit	Pilot testing unit	Major system
Voltage	V	400	400
Net frequency	Hz	50/60	50/60

Contact details

Company:

Contact person::

Department:

Street/No.:

City:

Postal Code:

Country:

Phone:

email:

Comments

For further information please contact:

DNFO Abluftconsulting Seitz

Dipl.-Ing. Frank Seitz

Marie-Juchacz-Allee 205

67067 Ludwigshafen

Tel: +49 (0)176 21109922

Email: f.seitz@dnfo.de

Internet: www.dnfo.de