



4. Technical data and dimensions

Type		NFW 70	NFW 140	NFW 210	NFW 280
Ozone output*	gO ₃ /h	70	140	210	280
Air throughput	m ³ /h	3,2	7,0	10,5	14,0
Cooling water quantity	l/h	100	200	300	400
Number of ozone generators		1	2	3	4
Number of transformers		1	1	1	1
Desiccant quantity in adsorbers	kg	12	12	25	25
Electrical connection values:					
Total power consumption	KVA	5,0	6,5	10,5	12,5
Ozone generation (cos φ 0,65 – 0,75)	KW	1,3	2,5	3,8	5,0
Air dryer (cos φ 1,00)	KW	2,2 (**2,5)	2,2 (**2,5)	3,7 (**4,3)	3,7 (**4,3)
Weight, S types	kg	430	500	780	930
Weight, R types	kg	440	510	790	950
Cabinet width	mm	900		900	
Cabinet depth	mm	940		1300	
Cabinet height	mm	1800		1800	
Paintwork color		RAL 2003		RAL 2003	
Connections:					
1 Cooling water inlet (PVC unions)	DN	15		15	
2 Cooling water outlet	DN	15		15	
3 Ozone gas line	DN	15		20	
4 Electrical connections		400/230V – 50 Hz 3 ~ N/PE		400/230V – 50 Hz 3 ~ N/PE	

Control panel area featuring several indicator lights (red, green, blue) and two analog meters. Below the lights are three red emergency stop buttons and two white selector switches.

OZONE GENERATOR

Model	...
Power	...
Flow rate	...
...	...

BWT
Wassertechnik-GmbH
OZON

CAUTION
HIGH VOLTAGE INSIDE
KEEP OUT

0



TUV
Bluebird
Product Safety
**EMV
EMC**

TUV
GS
Geprüfte
Sicherheit



Control panel with various indicators and switches:

- Two analog meters at the top.
- Two rows of red indicator lights.
- Three red indicator lights in the middle.
- Two rotary switches at the bottom.
- Two green indicator lights at the very bottom.

OZONE GENERATOR

ITEM	DESCRIPTION	STATUS
1
2
3
4
5

Main electrical control rack containing:

- Terminal blocks with numerous colored wires.
- Relays and contactors.
- PLC (Programmable Logic Controller) modules.
- Power supply units.
- Various sensors and modules.



Water Activator





CONTROL POWER SERVICE DRYER 1

AIR TEMP. HIGH SERVICE DRYER 2

EMERGENCY OFF
SADWASSING

SIDE PANEL
INTERLOCK

FAULT
BLOCK/FAN

FAULT
DRYER

RESET LAMP TEST



EDDING WATER
FLOW LOW AIR
FLOW LOW FAULT
OZONE GEN

SERVICE
HOURS

OZONE

OZONE OUTPUT
ADJUSTMENT

OZONE GENERATOR

BWT BWT Wassertechnik GmbH
 4100 Solingen, P.O. Box 10000, 4100 Solingen, Germany
 Phone: +49 212 6500-0, Fax: +49 212 6500-100, E-Mail: info@bwt.de

CONNECTION DIAGRAM

Power Supply	230V AC	50/60 Hz
Type	1000W	1000W
TV Approval	CE	CE
Equipment	1000W	1000W
Compliance	CE	CE





BWT BWT Wassertechnik
GmbH

A-5310 Mondsee · D-69191 Schriesheim · I-20129 Milano
F-92504 Rueil Malmaison · B-1831 Diegem Machelen · E-08940 Cornella de Li
PL-00852 Warszawa · CZ-12000 Praha · H-2040 Budaörs

OZONERZEUGUNGSANLAGE OZONATOR

Herstell-Nr.
Ident.No.

5433

Serie
Serie

43132

Typ
Type

NEW 3421 AS VA

Baujahr
Year

12/99

El. Anschluß
El. Power Supply

400 / 230 V PE N 60 HZ 3,5 KVA

Einsatzgas
Medium

AIR

Betriebsdruck
Pressure

bar

-0,3

g/h

m³/h

Ozonerzeugung
Ozone Production

1,43

Volumenstrom
Gaz Flow

7