

DISINFECTION 09/09

# NANO TECH MPUV

## A NON-TOXIC ALTERNATIVE

The NT-MPUV series of medium pressure ultraviolet units is designed for easy installation. The system provides a cost effective solution for disinfection and chloramine reduction in commercial pools. Medium pressure UV systems are highly effective against highly infectious

Cryptosporidium parvum and Giardia lamblia species which can exist in swimming pool water. These are virtually unaffected by the levels of chlorine used to sanitise swimming pools. As a direct result of its interaction with pollutants, the chlorine in a pool produces chloramines which cause eye and skin irritation and unpleasant odours.

Medium pressure UV systems reduce the side effects and produce a vastly improved water quality and atmospheric environment.



### ✓ Technical features

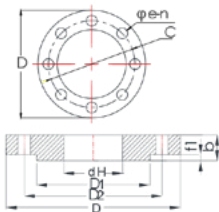
- Substantial reduction in chloramines
- Medium pressure UV lamps for maximum oxidation
- Microprocessor control with data logging
- Connects to building management systems
- Automatic "Smartdrive" wiper system as standard
- Simple lamp replacement
- 316 L Stainless steel reactor vessel

- Easy to install with in-line vessel design
- Higher UV efficiency
- Typical UVT is 90% at 60 mJ/cm<sup>2</sup>
- Lower power consumption
- Supply rating : 200-240/1/50-60 ((V / ph / Hz)

**Note:** UV intensity mJ/cm<sup>2</sup> requires a 4-20mA signal from a water flow rate measuring device (not supplied)

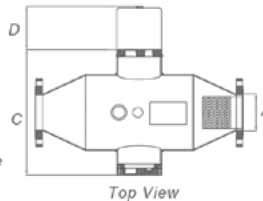
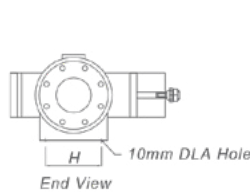
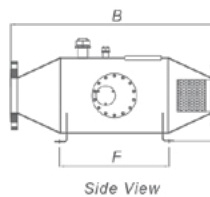
### 📏 Dimensions

#### FLANGE



#### REACTOR

DN	MODEL	D mm	D2 mm	Øe-n	BOLT SPECIFICATION	D1 mm	dH mm	f1 mm	b mm
80	3"	200	160	18-8	M16	132	90.5	2	20
100	4"	220	180	19-8	M16	156	116	2	22
150	6"	285	240	22-8	M20	211	170.5	2	24
200	8"	340	295	22-8	M20	266	221.5	2	24
250	10"	395	350	22-12	M20	319	276.5	2	26



### 🔍 Models

MODEL	DN	FLOW RATE		LAMP POWER kw	CONTROL PANEL DIMENSIONS (L X W X H) mm	REACTOR DIMENSIONS mm							PKG	WEIGHT kg	VOLUME m <sup>3</sup>
		m <sup>3</sup> /h	US gpm			A	B	C	D	F	G	H			
NT-MPUV40	80	40	175	1.0	600 x 300 x 600	80	740	422	195	300	200	170	1	63.5	0.465
NT-MPUV60	100	60	264	1.5	600 x 300 x 700	100	740	422	195	300	200	170	1	66	0.465
NT-MPUV105	105	105	460	2.0	600 x 300 x 700	150	800	422	195	400	200	170	1	75	0.495
NT-MPUV145	145	145	640	2.5	600 x 300 x 700	150	820	858	195	400	275	250	1	94.5	0.745
NT-MPUV170	170	170	450	3.0	600 x 300 x 700	150	820	858	195	400	275	250	1	94.5	0.745
NT-MPUV220	220	220	970	4.0	700 x 300 x 1100	200	890	422	195	450	225	250	1	103	0.589
NT-MPUV300	200	300	1320	5.0	700 x 300 x 1100	200	890	585	195	450	275	330	1	111.6	0.801
NT-MPUV335	250	355	1560	6.0	700 x 300 x 1100	250	890	585	195	450	275	330	1	115.6	0.801
NT-MPUV415	250	415	1825	7.0	700 x 300 x 1100	250	890	585	195	450	275	330	1	115.6	330



Your global partner since 1974. Trusted for superior quality and exceptional innovations.



## Head Office

### AQUA S.p.A

42018 San Martino in Rio, Reggio Emilia  
Italy - Via Crotti, 1  
P: +39 0522 695805/85 - F: +39 0522 646160  
aqua@aqua.it | www.aqua.it

### AQUA S.p.A - POOL DIVISION

46043 Castiglione d. Stiviere, Mantova - Italy  
P: +39 0376 671973 - F: +39 0376 940139  
infpools@aqua.it | www.aqua.it



## Branches

### AQUA WATER SYSTEMS LTD

Unit 135 Oak Drive Hartlebury Trading Estate,  
Worcestershire, DY10 4JB  
P: +44 (0)1299 251050, F: +44 (0)1299 253704  
sales@askaqua.co.uk | www.askaqua.co.uk

### AQUA FILTRACION S.A.

Pol. Ind. Castellbisbal Sud 08755  
Castellbisbal, Barcelona  
P: +34 (0)93 7711855, F: +34 (0)93 7711772  
info@aqua.es | www.aqua.es

### AQUA SU ARITIMI SAN. VE MUH. TIC. LTD. STI.

Ferhatpasa Mahallesi Maresal Fevzi Cakmak  
Cad. No:45 Pk.34888 Atasehir / Istanbul - Turkey  
P: +90 216 661 60 60, F: +90 216 661 68 50  
info@aqua.com.tr | www.aqua.com.tr

### AQUA MIDDLE EAST FZC

1J-07/4 and 1J-07/3 - Hamriyah Free Zone  
P.O.Box 42585 Sharjah - United Arab Emirates  
P: +971 6 526 0563, F: +971 6 526 0564  
contact@aqua-me.ae  
www.aqua-me.ae

### AQUA WATER SYSTEMS INDIA PVT LTD

4A/4B/4C-,Puttappa Industrial Estate  
Mahadevapura Post, White Field Road,  
Bangalore 560 048  
P: 0091 80 4152 1313, F: 0091 80 4152 1414  
contact@aquaindia.in | sales@aquaindia.in  
www.aquaindia.in

### AQUA GROUP RUS

Juridical Address:  
107014, Egerskaya str, 1, Moscow, Russia  
Residence Address:  
127081, Chermianskaya str, 3, Moscow, Russia  
P: +7 495 6458078, F: +7 495 969 2413  
mail@aqua-italy.ru | www.aqua-italy.ru  
www.aqua.it

### AQUA GROUP LLC

Office : Regus – Sarayat EL Maadi, Egypt  
Management & Warehouse : Plot no 2-2nd service  
axe, 2nd Industrial Zone, October, Egypt  
P: +20 2 3820 2259 | info@aqua.eg

DISINFECTION