

# DISINFECTION SYSTEMS



## “EMAUX” MPUV Series Nano Tech UV-C Systems

### LOW COST HIGH UV EFFICIENCY

For commercial water disinfection and chloramine reduction

No Harmful Chemical, A Non-Toxic Alternative The NT-MPUV series of medium pressure ultraviolet units is designed to be an easy to install system giving a cost effective solution for commercial disinfection and chloramine reduction.

Medium pressure UV systems are very 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 sanitize swimming pools. The use of chlorine in swimming pools results in the formation of chloramines as a direct result of its interaction with pollutants and it is these that result in eye and skin irritation combined with unpleasant odors.

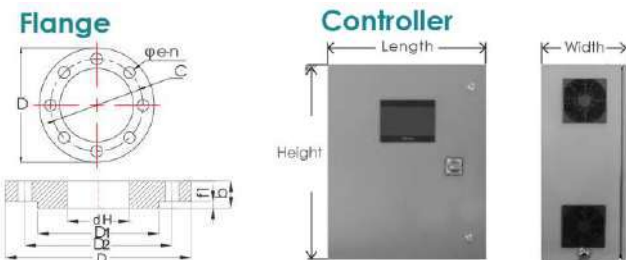


### ADVANTAGE

- 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
- CE approved
- 316 L Stainless steel reactor vessel

### MAIN CHARACTERISTICS

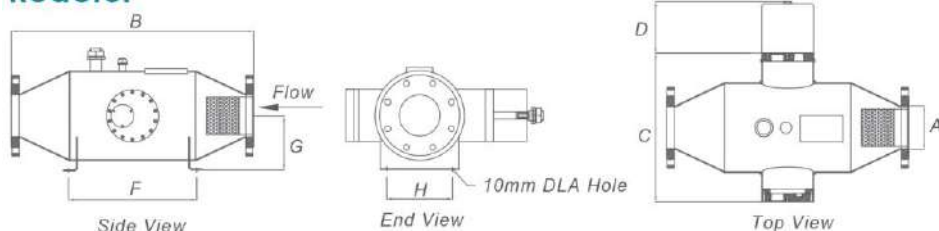
- Easy to install with in-line vessel design
- Higher UV efficiency
- Typical UVT is 90% at 60 mJ/cm<sup>2</sup>
- Input power cost
- Lower power consumption



HG-20592 PN 1.0 Mpa Standard flange size

DN	Model	D (mm)	D2 (mm)	φe-n	Bolt Specification	D1 (mm)	dH (mm)	f1 (mm)	b (mm)
DN80	3"	200	160	18-8	M16	132	90.5	2	20
DN100	4"	220	180	19-8	M16	156	116	2	22
DN150	6"	285	240	22-8	M20	211	170.5	2	24
DN200	8"	340	295	22-8	M20	266	221.5	2	24
DN250	10"	395	350	22-12	M20	319	276.5	2	26

## Reactor



### Technical Information and Dimensions:

Model	Connection	Flow Rate		Lamp Power (kW)	Supply Rating (V/ph/Hz)	Control Panel Dimension mm (LxWxH)	Reactor Dimensions (mm/inch)						
		m <sup>3</sup> /h	US gpm				A	B	C	D	F	G	H
NT-MPUV40	DN80	40	175	1.0	200-240/1/50-60	800x300x600	80/3.0	740/29.1	422/16.6	195/7.7	300/11.8	200/7.9	170/6.7
					360-380/3/50-60								
NT-MPUV60	DN100	60	264	1.5	200-240/1/50-60	800x300x700	100/4.0	740/29.1	422/16.6	195/7.7	300/11.8	200/7.9	170/6.7
					360-380/3/50-60								
NT-MPUV105	DN150	105	460	2.0	200-240/1/50-60	800x300x700	150/6.0	800/31.5	422/16.6	195/7.7	400/15.7	200/7.9	170/6.7
					360-380/3/50-60								
NT-MPUV145	DN150	145	840	2.5	200-240/1/50-60	800x300x700	150/6.0	820/32.3	585/23	195/7.7	400/15.7	275/10.8	250/9.8
					360-380/3/50-60								
NT-MPUV170	DN150	170	750	3.0	200-240/1/50-60	800x300x700	150/6.0	820/32.3	585/23	195/7.7	400/15.7	275/10.8	250/9.8
					360-380/3/50-60								
NT-MPUV220	DN200	220	970	2x2.0=4.0	200-240/1/50-60	700x300x1100	200/8.0	890/35.0	422/16.6	195/7.7	450/17.7	225/8.8	250/9.8
					360-380/3/50-60								
NT-MPUV300	DN200	300	1320	2x2.5=5.0	200-240/1/50-60	700x300x1100	200/8.0	890/35.0	585/23	195/7.7	450/17.7	275/10.8	330/13
					360-380/3/50-60								
NT-MPUV355	DN250	355	1560	2x3.0=6.0	200-240/1/50-60	700x300x1100	250/10.0	890/35.0	585/23	195/7.7	450/17.7	275/10.8	330/13
					360-380/3/50-60								
NT-MPUV415	DN250	415	1825	2x3.5=7.0	200-240/1/50-60	700x300x1100	250/10.0	890/35.0	585/23	195/7.7	450/17.7	275/10.8	330/13
					360-380/3/50-60								



Controller



Reactor

### MP vs LP UV Lamp Comparison:



Code	Model	Flowrate (m <sup>3</sup> /h)	Input Power (W)	Connection (Inches)
21000510045	NT-MPUV40*	40	1000	3
21000510050	NT-MPUV60*	60	1500	4
21000510055	NT-MPUV105*	105	2000	6
21000510060	NT-MPUV145*	145	2500	6
21000510065	NT-MPUV170*	170	3000	6
21000510070	NT-MPUV220*	220	4000	8
21000510075	NT-MPUV300*	300	5000	8
21000510080	NT-MPUV355*	355	6000	10
21000510085	NT-MPUV415*	415	7000	10

\* สินค้าไม่มีสต็อก กรุณาสั่งล่วงหน้า 60-90 วัน / No Stock, Delivery Time 60-90 Days