

DISINFECTION 09/08

PRO UV HDPE

The Pro assortment consists of a complete range of industrial UV-C equipment. The units provide healthy, clear and safe water. Pro UV HDPE purifiers are the driving force in any installation; they have the ability to keep the water free of algae, bacteria and fungi. Each Pro UV-C purifier is equipped with a control cabinet. There are four options which can be combined with a suitable VGE Pro unit and several other options including a temperature sensor and a flow switch.



✓ Benefits

- Each unit is equipped with a HDPE reactor
- Each unit is equipped with a UV-C control unit, combination with a basic Control Timer, Control Monitor or Control Monitor Plus. UV-C and temperature sensors are optional
- Easy installation and maintenance



🔍 Models

PRODUCT CODE	RECOMMENDED FLOW at 25mj/cm ² m ³ /h	RECOMMENDED FLOW at 40mj/cm ² m ³ /h	RECOMMENDED FLOW at 60mj/cm ² m ³ /h	APPLICATION CONTROL SYSTEM
PRO-HD-UV-75/110	13.5	8.4	5.6	A/B/C
PRO-HD-UV-140/110	22	15.1	10.1	A/B/C
PRO-HD-UV-200/110	22	20.4	13.6	A/C
PRO-HD-UV-200/160	37	29.4	19.6	A/C
PRO-HD-UV-400/200	79	68.1	45.4	A/D
PRO-HD-UV-600/225	129	100.6	67.1	A/D
PRO-HD-UV-975/315	338.4	211.5	141.0	A/D
PRO-HD-UV-1950/315	445	415.2	276.8	A/D

* Capacity based on 300, 400, 600 J/M2, T10mm@ 254NM = 95% MPSSM average intensity . * Please add -A, -B, -C OR -D after the UV code for your choice of control system. You can choose the control system based on your requirements and applicability as per the table.

PRODUCT CODE	UV-C LAMP POWER CONSUMPTION W	REACTOR Ø mm	REACTOR LENGTH mm	REACTOR SHAPE	CONNECTION	PKG	WEIGHT kg	VOLUME m ³
PRO-HD-UV-75/110	75	110	850	U	2" male thread	1	4	0.05
PRO-HD-UV-140/110	140	110	850	U	2" male thread	1	4	0.05
PRO-HD-UV-200/110	200	110	1100	U	3" male thread	1	4	0.15
PRO-HD-UV-200/160	200	160	1100	U	90 mm flange	1	8	0.15
PRO-HD-UV-400/200	2 X 200	200	1100	U	110 mm flange	1	15	0.18
PRO-HD-UV-600/225	3 X 200	225	1100	U	140 mm flange	1	18	0.20
PRO-HD-UV-975/315	3 X 200	315	1670	U	160 mm flange	1	82	1.71
PRO-HD-UV-1950/315	3 X 200	315	1670	U	225 mm flange	1	85	1.71

SMART PIN TECHNOLOGY

The Pro UV-C Purifiers are equipped with the unique Smart Pin Technology (SPT). This innovative system is a reliable way to integrate the UV-C lamp(s) in a safe, efficient and smart way in a reactor. The SPT makes it possible to replace the lamp safely, although the system remains filled with water. If the lamp is mistakenly not turned off during the replacement, it will switch off automatically as soon as it is removed from the socket. Due to the seal between the lamp socket and lamp, the system can be used in situations where IPx4 is required. The high-quality ceramic is an excellent electrical insulator and is resistant to corrosion. A visual observation of the operation of the lamp is no problem through various transparent parts.






✓ Benefits

- Prevents the release of harmful UV-C radiation
- Changing the UV-C lamp whilst water is in the system
- Resistant to corrosion
- Splash proof
- Visual inspection for operation of the lamp
- Clamping system for optimal seal function
- Lamp replacement without tools

🔍 Pro control units

Each Pro UV-C purifier is equipped with a control cabinet. The following overview provides the advantages per control unit for a Pro UV-C purifier.

CONTROL UNIT	PRO HD UV BASIC A	PRO HD UV CONTROL TIMER B	PRO HD UV control monitor C	PRO HD UV control monitor Plus D
				
ELECTRICAL BALLAST	✓	✓	✓	✓
MICROPROCESSOR CONTROLLED FUNCTIONS	-	-	✓	✓
UV MONITORING BY SENSOR	-	-	✓	✓
TEMPERATURE MONITORING ON SENSOR	-	-	-	✓
TEMPERATURE MONITORING ON BASE BOARD	-	-	-	✓
LAMP HOUR COUNTER	-	✓	✓	✓
ACTUAL LAMP CURRENT AND LAMP POWER	-	-	-	✓
SWITCH ON CYCLE COUNTER	-	-	✓	✓
INTERLOCK INPUT FOR EXTERNAL FLOW SWITCH	-	-	✓	✓
INRUSH CURRENT LIMITATION	-	-	-	✓
LCD DISPLAY AND BUTTONS MOUNTED IN THE FRONT	-	✓	✓	✓
MAIN SWITCH	-	-	✓	✓
MULTI-COLOUR DISPLAY	-	-	✓	✓
POLYCARBONATE CABINET	-	-	✓	-
ABS CABINET	✓	✓	-	-
STEEL POWDER COATED CABINET	-	-	-	✓
ALARM FUNCTIONS UV TEMPERATURE FAILED LAMPS	-	-	✓	✓
STOP IF ERROR AND ALARM FUNCTION	-	-	-	✓
REMOTE SWITCH, INTERLOCK AND MAIN SWITCH	-	-	-	✓
MULTIPLE LANGUAGES	-	-	✓	✓
REALY CONTACTS	-	-	✓	✓
4-20MA SIGNAL INPUT /OUTPUT	-	-	✓	✓
LAMP/BALLST SAFETY MECHANISMS	-	-	-	✓
DIMENSION CONTROL UNIT	380 x 190 x 130 mm 378 x 278 x 180 mm 560 x 380 x 180 mm	350 x 100 x 180 mm	300 x 320 x 110 mm	450 x 300 x 210 mm 400 x 300 x 150 mm



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