

## DISINFECTION 09/07

# PRO UV INOX

The Pro assortment consists of a complete range of industrial UV-C equipment. The units provide healthy, clear and safe water. Pro UV INOX 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 Pro unit and several other options including a temperature sensor and a flow switch.

## ✓ Technical features

- Each unit is equipped with a AISI-316L stainless steel reactor
- Each unit is equipped with a UV-C control unit, combined 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 <sup>2</sup> m <sup>3</sup> /h	RECOMMENDED FLOW at 40mj/cm <sup>2</sup> m <sup>3</sup> /h	RECOMMENDED FLOW at 60mj/cm <sup>2</sup> m <sup>3</sup> /h	APPLICATION CONTROL SYSTEM
PRO-UV-40/76	3.1	2.4	1.6	A/B/C
PRO-UV-75/76-A	9.0	5.7	3.8	A/B/C
PRO-UV-75/114	13.5	8.4	5.6	A/B/C
PRO-UV-140/114	27.9	17.4	11.6	A/B/C
PRO-UV-140/76	17.9	11.2	7.4	A/B/C
PRO-UV-200/76	22	15.3	10.2	A/C
PRO-UV-200/154	37	32.5	21.7	A/C
PRO-UV-420/168	49	49	43.4	A/C/D
PRO-UV-400/204	85	74.7	49.8	A/D
PRO-UV-600/219	133	112.5	75	A/D
PRO-UV-975/306	367.9	229.9	153.3	A/D
PRO-UV-1950/306	531	452	301.4	A/D

\* Capacity based on 250, 400, 600 J/M<sup>2</sup>, 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 above.

PRODUCT CODE	UV-C LAMP POWER CONSUMPTION W	REACTOR Ø mm	REACTOR LENGTH mm	REACTOR SHAPE	CONNECTION	PKG	WEIGHT kg	VOLUME m <sup>3</sup>
PRO-UV-40/76	40	76	370	L	3/4" male thread	1	8	0.03
PRO-UV-75/76	75	76	655	L	3/4" male thread	1	4	0.04
PRO-UV-75-114	75	114	850	U	2" male thread	1	9	0.06
PRO-UV-140/114	140	114	850	U	2" male thread	1	9	0.05
PRO-UV-140/76	140	76	850	U	1.5" male thread	1	5	0.06
PRO-UV-200/76	200	76	1100	U	2" male thread	1	6	0.06
PRO-UV-200/154	200	154	1100	U	90 mm flange	1	19	0.15
PRO-UV-420/168	420	168	850	U	3" male thread	1	17	0.18
PRO-UV-400/204	400	204	1100	U	110 mm flange	1	26	0.12
PRO-UV-600/219	600	219	1100	U	140 mm flange	1	37	0.18
PRO-UV-975/306	975	306	1100	U	DN 250	1	69	1.71
PRO-UV- 1950/306	1950	306	1100	U	DN 250	1	77	1.71

## SMART PIN TECHNOLOGY

The VGE 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 left on 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 remains 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 UV BASIC A	PRO UV CONTROL TIMER B	PRO UV CONTROL MONITOR C	PRO 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





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