PRO24-186

4-Log *Adenovirus* UV Water Treatment System

VIQUA's PRO24-186 UV water treatment system makes complying with the Ground Water Rule and LT2 regulations a lot easier. These systems provide a 186 mJ/cm^2 UV dose for 4-log reduction of viruses, including *adenovirus*.

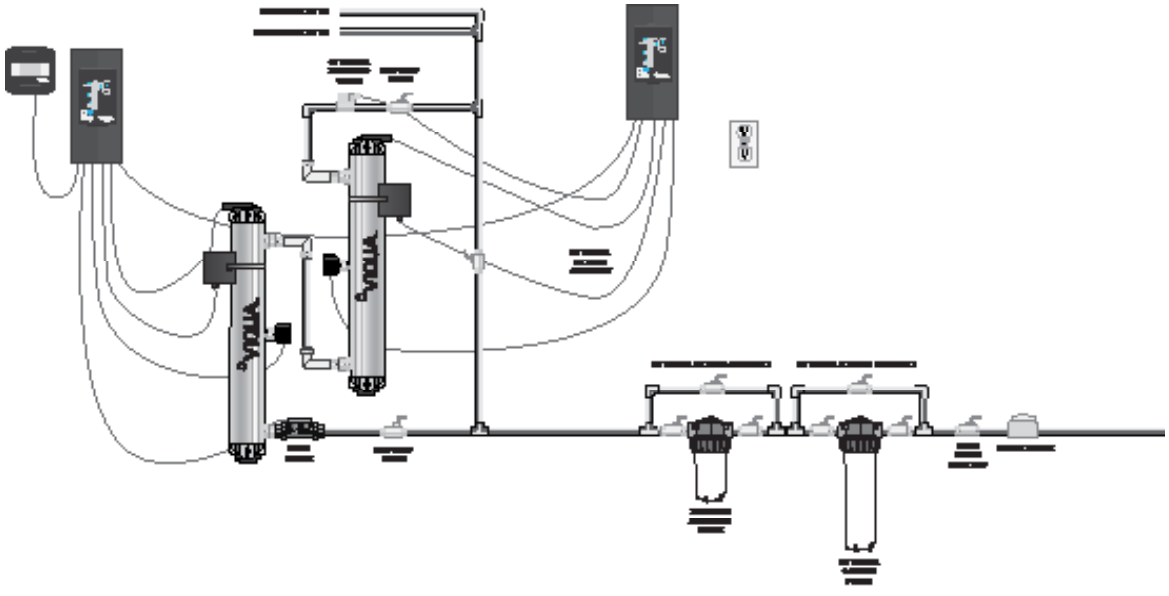
The PRO24-186 system is fully validated to Ultraviolet Disinfection Guidance Manual (UVDGM) protocol for 4-log *adenovirus* reduction, providing peace of mind for small water systems.

The VIQUA PRO24-186 system provides treated drinking water for small public water systems (PWS), in accordance with state, provincial, and federal regulations. As PWS get smaller, the available capacity for testing, metering, and monitoring becomes a challenge. The PRO24-186 is designed to measure and log UV dose and flow, and with a four-point stepped validation, ensures compliance at all times



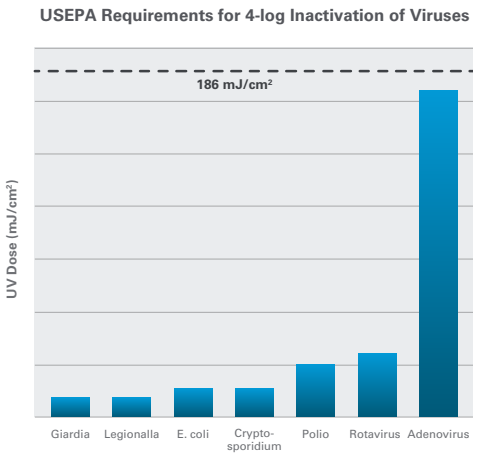
A small system for public water applications

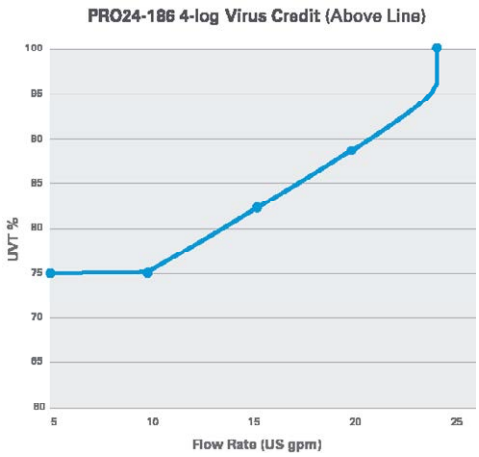
- Churches
- Schools
- Rest areas
- Bed and breakfasts
- Community centers
- Restaurants
- Camps
- Dairy, swine, and poultry farms

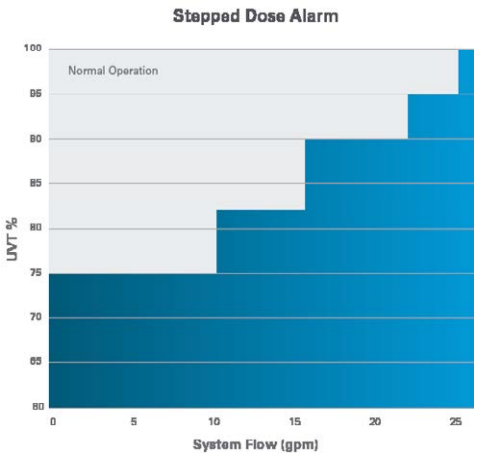


Features of the VIQUA PRO24-186 system

- Third-party validated for *adenovirus* (4-log virus) for 24 gpm (45 lpm) flow at an applied UV dose of 186 mJ/cm^2
- Two-chamber, ultra-high-output VIQUA amalgam UV lamps with CoolTouch fan technology
- CoolTouch fan that significantly reduces water temperature and does not waste any water
- COMMcenter that displays real-time UV dose information and records UV data every 60 seconds to the miniSD card, which can be removed for review
- Revolutionary amalgam lamp with twice the output of current high-output lamps, providing compact, single-lamp systems that are half the size of their predecessors
- Reduced maintenance requirements through extended, two-year lifespan of amalgam lamp
- Flexibility to connect to either 1.25 in. MNPT or 1 in. FNPT
- Plug-and-play color-coded connections for easy installation
- Like a standard plug—no more grounding wires
- Optional plug-and-play solenoid valve that stops water flow in the event water treatment is compromised
- Sleeve bolts that require only a quarter-twist to the positive stop—no tools, no risk of over-tightening
- Intuitive interface
- Flow sensor to monitor flow and provide real-time UV dose







Specifications

	PRO24-186 (US EPA 4-log)
Flow rates	
UV dose	186 mJ/cm^2
Validated flow (UVT dependent*)	10 gpm (38 lpm); 2.3 m^3/hr 15 gpm (57 lpm); 3.4 m^3/hr 20 gpm (75 lpm); 4.5 m^3/hr 24 gpm (90 lpm); 5.4 m^3/hr
Validated UVT*	75%, 85%, 90%, and 95%
Dimensions	
Chamber	41 in. x 18 in. (103 cm x 45 cm)
Controller	13 in. x 6.5 in. x 4.5 in. (33 cm x 16.5 cm x 11.5 cm)
Inlet and outlet port size	1.25 in. MNPT x 1 in. FNPT combo
Shipping weight	63 lbs (29 kg)
Electrical	
Voltage	100-240V (50/60 Hz)
Power consumption	460W
Maximum operating pressure	125 psi (8.62 bar)
Influent water temperature	2 to 40°C (36 to 104°F)
Features	
Visual “power on”	Yes
Chamber material	316 stainless steel
Visual lamp life remaining	Yes
Audible lamp failure	Yes
Audible lamp replacement reminder	Yes
Sensor	Yes
Sensor reading output (4-20 mA)	Optional
Flow meter	Yes
CoolTouch fan	Yes

* Refer to the Validation Chart for alternative UVT validated flow rates.

Replacement parts

602850-103 (Qty 2): lamp and quartz sleeve kit	**650709-013:** controller
602856 (Qty 2): UV lamp only	**270288-R:** COMMcenter
602976 (Qty 2): quartz sleeve	**410982R-30:** flow meter
650580 (Qty 2): UV sensor	

Water quality parameters

Hardness	**Iron**	**Tannins**
< 7 grains (120 mg/L)	< 0.3 mg/L	< 0.1 mg/L

To learn more about the VIQUA PRO24-186 and its efficacy, visit VIQUA.com

425 Clair Rd. W, Guelph, Ontario, Canada N1L 1R1 • 1.800.265.7246 (US/CAN) • +31.73.747.0144 (EUR) • **VIQUA.com**

© Copyright 2025, Trojan Technologies Group ULC. VIQUA is a trademark of Trojan Technologies Group ULC.
The products described in this publication may be protected by one or more patents in the United States of America, Canada, and/or other countries. [02282025]