

UV Disinfection Systems PVC UV Systems

Product Overview

The PVC Series of UV systems are designed to safely handle corrosive liquids or be used in a corrosive environment. The high-strength PVC pressure vessel and heads are resistant to attack and provide a long operating life. Available in sizes ranging from 2 to 37 m³/h (10 to 160 US gpm), they come with many standard features for ease of installation, operation, and maintenance. Optional features are available to enhance the operation and control capabilities to meet specific requirements.

PVC UV systems provide chemical-free disinfection which is economical to operate and easily serviced.

Applications

- Salt Water
- Aquaculture
- Wastewater
- Residential Pools
- Fountains
- Corrosive liquids
- Offshore oil rigs
- Corrosive environments

Standard Features

- Removable heads
- Remote electrical enclosures
- Pipe fittings
- LED lamp status indicators
- PVC compression fittings
- Low pressure high output (HO) or amalgam lamp technology with 12,000 hour lamp life
- Manual quartz cleaning
- Horizontal or vertical orientation

Optional Features

- Outdoor electrical enclosures
- Running time meter
- HOA (hand-off-auto) switch
- High heat shutoff
- UV monitor
- PLC Control
- Manual or automatic quartz cleaning
- Flange connection



PVC UV Systems
Product Line Sheet

Key Benefits

- Rugged construction and long service life
- Ease of installation, operation, and maintenance
- Resistant to corrosive liquids
- Alternative to 316L stainless for salt water applications

Technical Data

PVC Series of UV Disinfection Systems

Model	Capacity ¹		Connection (Inches)	Power Consumption (Watts)	Electrical Supply (V/Hz)	Number of Lamps	Weight		Dimensions (L x W) () wiper extended	Control Panel Dimensions (H x W x D)
	m ³ /h	US gpm					kg	lbs		
PVC-1S-HO	2.3	10	2	36	120 50/60	1	4.5	10	635 x 152 mm (737 mm) 25" x 6" (29")	165 x 165 x 102 mm 6.5" x 6.5" x 4"
PVC-1R-HO	4.5	20	2	80	120 50/60	1	6	13	1016 x 152 mm (1397 mm) 40" x 6" (55")	140 x 229 x 102 mm 5.5" x 9" x 4"
PVC-1RX-HO	9.1	40	2	160	120 50/60	2	13	28	1016 x 483 mm (1397 mm) 40" x 19" (55")	229 x 279 x 152 mm 9" x 11" x 6"
PVC-2R-HO	13.6	60	3	160	120 50/60	2	47.2	104	1321 x 483 mm (1651 mm) 52" x 19" (65")	229 x 279 x 152 mm 9" x 11" x 6"
PVC-3R-HO	20.4	90	3	240	120 50/60	3	46.7	103	1321 x 483 mm (1651 mm) 52" x 19" (65")	305 x 305 x 178 mm 12" x 12" x 7"
PVC-4R-HO	27.3	120	3	240	120 50/60	4	46	102	1321 x 483 mm (1651 mm) 52" x 19" (65")	305 x 305 x 178 mm 12" x 12" x 7"
PVC-2R-A120	18.2	80	3	240	120 50/60	2	47.2	104	1321 x 483 mm (1651 mm) 52" x 19" (65")	610 x 406 x 229 mm 24" x 16" x 9"
PVC-3R-A120	27.3	120	3	360	120 50/60	3	46.7	103	1321 x 483 mm (1651 mm) 52" x 19" (65")	610 x 406 x 229 mm 24" x 16" x 9"
PVC-4R-A120	36.3	160	3	480	120 50/60	4	67	102	1321 x 483 mm (1651 mm) 52" x 19" (65")	610 x 406 x 229 mm 24" x 16" x 9"

¹ Capacity at a UV dose of 40 mJ/cm² at end of lamp life, and UV transmittance of 98% (254 nm; 1-cm cell)

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