



Swimming Pool Range - Medium Pressure North America



Illustration shows PMD model with auto wiper



Technical Specification

UV Chamber		Cabinet	
Material	StSt 316L / 1.4404 pipe electro-polished and passivated	Material	Epoxy coated carbon steel
Internal finish	As made, welds as laid	Degree of protection	IP54 / NEMA 12
Process (mating) connections	PN16 , ANSI 150lb, JIS 10K	Supply voltages:	Up to 2.5kW 95V to 260V (nominal) 50/60Hz 3.5 to 7.0kW 190V to 500V (nominal) 50/60Hz 7.0 to 14.0kW 300V to 500V (nominal) 50/60Hz
Degree of protection	IP65 / NEMA 4	Operating temperature range	+40°F to +104°F
Arc tube (lamp)	High purity quartz, med. pressure	Relative humidity	<90%
Arc tube enclosure	High purity quartz sleeve	Cooling fans	Yes
Expected lamp life	4,000 to 8,000 hours	Cable length (cabinet to chamber)	32ft
Temperature sensor	Yes	External contacts	4 – 20mA signals for UV dose or intensity Volt-free contacts for seven status indicators (Local/Remote, System Available, Lamp Ready, System Warning, Common Alarm, Low UV Intensity, ELCB Trip) Accepts Remote Start/Stop from customer equipment
UV monitor	Standard (down to min. T ₁₀)		
Working fluid temperature	+40°F to +140°F		
Hydrostatically pressure tested	Yes, to PED requirements		
Operating pressure	100 psi (higher by request)		
Pressure loss at max. flow	<1 psi		
Autowiper	Standard		
In line strainer	Standard		
Drain stub plus valve	Standard		
Certification	NSF Standard 50, Annex H1, UL		

Features

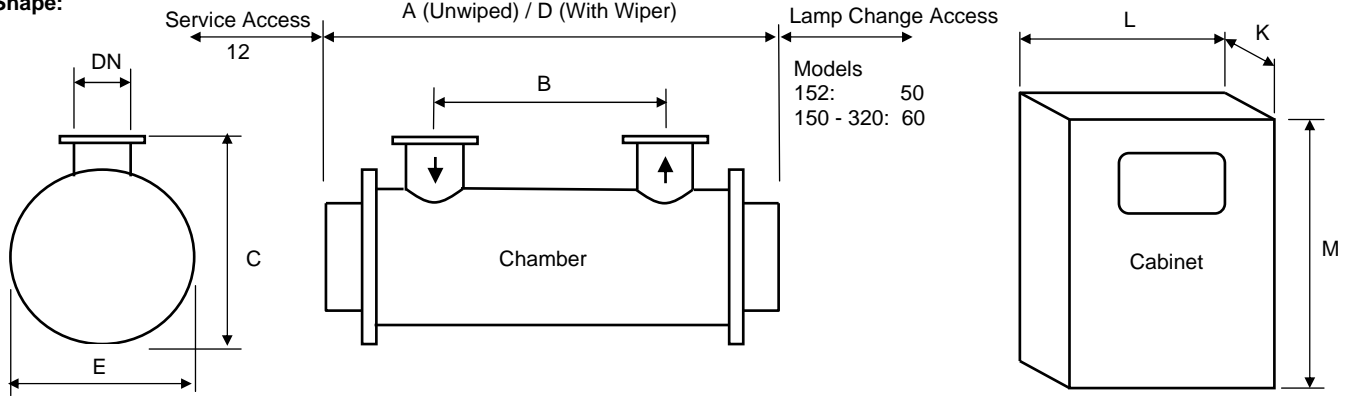
Operational:	Screen Display:	Alarm Messages:	Safety:
<ul style="list-style-type: none"> Lamp on/off Remote/local operation Dose computation from fixed or variable flow Selectable auto restart following power failure Automatic wiper system One timed ON/OFF period per 24 hours 	<ul style="list-style-type: none"> UV dose mJ/cm² UV intensity in mW/cm² or relative percentage Hours run Water flow rate Chamber surface temperature On-line spares listing 	<ul style="list-style-type: none"> Low UV ELCB trip Chamber over temperature Lamp fail Power supply over temperature 	<ul style="list-style-type: none"> Door interlocked cabinet isolator Separate door locks Earth leakage trip Power supply thermal cut-out Re-settable circuit breakers for input supply Wiper motor overload cut-out

Options

<ul style="list-style-type: none"> Dose related four stage power level to arc tubes, with status messages Higher hydraulic operating pressures 	<ul style="list-style-type: none"> Cabinets in 316 StSt Cabinet protection to IP65 /NEMA 4 or NEMA 4X Autobled and solenoid valve, with status messages 	<ul style="list-style-type: none"> Vent and valve Cable length (chamber to cabinet): 65, 95, 160 or 325ft Skid mounted systems, pre-wired and tested 	<ul style="list-style-type: none"> Easy installation kit (includes skid mounting, 2 x 90° bends, and spool piece) Languages: English, French, German or Swedish
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Product Specific Data

"U" Shape:



All dimensions are inches

Model	Maximum Dechloramination Capacity * (US gal/min)	Min. T ₁₀ (%)	Dimensions									Approx. Weight (lb)		Power (KW)
			A	B	C	D	E	DN	K	L	M	Chamber	Power Supply	
PMD152 B1/3	230	85	24.4	11.8	12.6	33.5	9.5	3.0	14.4	29.5	33.5	90	200	1.2
PMD150 C1/3	260	78	42.9	28.0	12.6	51.2	9.5	3.0	14.4	29.5	33.5	100	200	2.5
PMD150 C1/4	260	78	42.9	28.0	12.6	51.2	9.5	4.0	14.4	29.5	33.5	100	200	2.5
PMD150 D1/4	440	81	42.9	28.0	12.6	51.2	9.5	4.0	14.4	29.5	33.5	100	200	3.5
PMD200 C1/6	350	97	42.9	26.0	16.5	51.2	11.4	6.0	14.4	29.5	33.5	150	200	2.5
PMD200 D1/6	680	90	42.9	26.0	16.5	51.2	11.4	6.0	14.4	29.5	33.5	150	200	3.5
PMD200 E1/6	1010	84	42.9	26.0	16.5	51.2	11.4	6.0	14.4	35.4	43.3	150	370	5.5
PMD320 E1/8	1520	93	42.9	24.0	19.9	51.2	16.1	8.0	14.4	35.4	43.3	310	370	5.5
PMD320 G3/10	2420	74	42.9	21.7	19.9	51.2	16.1	10.0	14.4	43.3	62.6	310	660	10.5

Additional Information

* The maximum dechloramination capacity is based on pool water with a transmittance T₁₀ > 98% and a maximum average UV dose of 60mJ/cm², at end of lamp life, the inlet hydraulic limit (based on fluid velocity of 9.8ft/s) or NSF rated flow.

All dimensions are approximate for clearance purposes only. Hanovia has a policy of continuous product development, exact drawings are available on request.

All specifications are subject to change without notification.

Your Distributor or Hanovia Account Manager can advise on correct dosage and specific requirements.

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