Mini Rack Systems

- **Available with 1, 2 or 3 filter housings**
- **Nominal 6 to 20 gpm (23 to 75 L/min) flow rates at 30mj UV dose[note1]**
- **¾" porting**
- **Reversible mounting bracket**
- **Audio/visual lamp timer included on UV system**
- **Stainless steel interconnect plumbing**
- **Available in stainless steel**
- **Optional floor stand for easy installation**

UVDynamics Mini-Rack Systems combine up to three Big Blue style filter housings and a UV disinfection system into one simple, clean looking, and integrated product line. Manufactured from rugged 10 gauge HR commercial grade steel and finished in a tough powder coat finish, the system will stay looking good as new for many years.

The Mini-Rack system uses a special variation of our standard disinfection chamber and is equipped with a bottom mounted ¼" drain plug to facilitate winterization in seasonal applications.

UVDynamics Mini-Rack systems speed installation, are easy to service and provide lasting value. Ideal for homes, cottages and treating harvested rainwater!

UV Systems* certified by IAPMO R&T against:

NSF/ANSI 61 (materials safety only)
NSF/ANSI 372 (lead free compliance)
CSA-B483.1

*visit iapmo.org for model information

IAPMO R&T
WATER QUALITY
PLATINUM SEAL
IAPMO RESEARCH AND TESTING

manufactured in CANADA

UV Dynamics

1-800-667-4629
1-519-452-7520
www.uvdynamics.com

note 1 – flow rates assume 95% UVT
maximum flow rate can be limited by filter cartridge selection

Mini Rack Systems OVERVIEW

Select a top plate with 1, 2, or 3 filter sump mounting footprints:

Model	TP1	TP2	TP3
Height	5" (13cm)	5" (23cm)	9" (23cm)
Width	15" (38cm)	24" (61cm)	31.5" (80cm)
Depth	7" (18cm)	7.5" (19cm)	7.5" (19cm)
Port Size *	¾" FNPT inlet ¾" MNPT outlet	¾" FNPT inlet ¾" MNPT outlet	¾" FNPT inlet ¾" MNPT outlet

All Mini Rack Systems can be purchased with 10" or 20" filter sumps.

Chambers certified by IAPMO R&T against:

NSF 61
NSF 372
CSA B483.1

IAPMO R&T WATER QUALITY PLATINUM SEAL — IAPMO RESEARCH AND TESTING

UPC ℃ ®
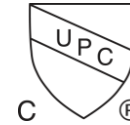
Select an ultraviolet disinfection unit:

Ultraviolet Disinfection Unit	MR180	MR240	MR245	MR320(E)	MR400(E)	MR485(E)◆	MR600◆
16mj/cm² (NSF) Note 1	11gpm (42L) (2.52m³/hr)	15gpm (57L) (3.4m³/hr)	15gpm (57L) (3.4m³/hr)	20gpm (76L) (4.5m³/hr)	25gpm (94L) (5.6 m³/hr)	30gpm (113L) (6.6m³/hr)	37gpm (140L) (8.4m³/hr)
30mj/cm² (Industry Standard) Note 2	6gpm (23L) (1.38m³/hr)	8gpm (30L) (1.8m³/hr)	8gpm (30L) (1.8m³/hr)	10gpm (37L) (2.2m³/hr)	13gpm (50L) (2.9m³/hr)	16gpm (60L) (3.6m³/hr)	20gpm (75L) (4.5m³/hr)
40mj/cm² (NSF/EPA)	4.5gpm (17L) (1.0m³/hr)	6gpm (23L) (1.38m³/hr)	6gpm (23L) (1.38m³/hr)	8gpm (30L) (1.8m³/hr)	10gpm (37L) (2.2m³/hr)	12gpm (45L) (2.7m³/hr)	15gpm (57L) (3.4m³/hr)
Chamber Length	16.5" (42cm)	20" (51cm)	16.5" (42cm)	20" (51cm)	24" (61cm)	26.25" (67cm)	26.25" (67cm)
Cell Diameter	3.5" (8.9cm)	3.5" (8.9cm)	4.0" (10.2cm)	3.5" (8.9cm)	3.5" (8.9cm)	3.5" (8.9cm)	4.0" (10.2cm)
AC Supply Voltage	120V or 240V 47-63Hz	120V or 240V 47-63Hz	120V or 240V 47-63Hz	120V or 240V 47-63Hz	120V or 240V 47-63Hz	120V or 240V 47-63Hz	120V or 240V 47-63Hz
Power (watts)	31 watts	33 watts	31 watts	40 watts	44 watts	63 watts	63 watts
Lamp Watts	28 watts	30 watts	28 watts	35 watts	40 watts	49 watts	49 watts
Max. Pressure Note 3	100psi (6.9bar)	100psi (6.9bar)	100psi (6.9bar)	100psi (6.9bar)	100psi (6.9bar)	100 psi (6.9bar)	100 psi (6.9bar)
Water Temperature	40° – 99° F (4° – 37° C)	40° – 99° F (4° – 37° C)	40° – 99° F (4° – 37° C)	40° – 99° F (4° – 37° C)	40° – 99° F (4° – 37° C)	40° – 99° F (4° – 37° C)	40° – 99° F (4° – 37° C)
Maximum Ambient Temp.	104° F (40 °C)	104° F (40 °C)	104° F (40 °C)	104° F (40 °C)	104° F (40 °C)	104° F (40 °C)	104° F (40 °C)
Visual LAMP ON Indicator	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Isolated Solenoid Output	No	No	No	Yes*	Yes*	Yes*	Yes
UV Monitor	Not Available	Not Available	Not Available	Option*	Option*	Option*	Option

UV Dynamics MINI-RACK / TP1

ETL LISTED c US — Intertek

Model # Formula: MRxxx-TPy/zzz

where:

xxx is the ultraviolet disinfection unit
y   is the number of sump mounting footprints
zzz is the size of filter sumps required
(1 denotes 10", 2 denotes 20", 0 denotes no sump)

eg. **MR320E-TP2/120** would be a mini rack system with a UVD320E disinfection unit and two filter sumps, one 10" and one 20".

* isolated solenoid output, sensor option not available on E series units
❖MR485(E) and MR600 systems have 1" ports and PEX tubing

UV Dynamics

Note 1 - 16mj/cm² Dose is suitable for reducing nonpathogenic nuisance organisms only. Disinfection chamber hydraulic performance may limit maximum flow rate.

Note2 - 30mj/cm² Industry standard Dose – This is the dosage produced by 2.5" diameter disinfection chambers when designed using the 1966 US Department of Health UV disinfection Policy Statement.

Note 3 – Pressure rating is for UV disinfection system only. Total system pressure rating will be dependent on filter cartridge pressure rating.

Product specifications are subject to change without notice.

www.uvdynamics.com