



# MR320(E)

8 - 10gpm  
ultraviolet water  
disinfection system

## KEY FEATURES

- Reversible mounting bracket eases installation.
- PEX compatible 3/4" MNPT GloGuard™ ports speed installation.
- NSF 42 certified filter housings have double "O" rings for leak prevention.
- Easy-service lamp connector simplifies maintenance - no tools required.
- Microprocessor controlled power source includes audible and visible lamp failure alarms, lamp life remaining feature, and annual lamp change timer.
- UV lamps are USA manufactured with a long-life coating, rated for 9,000hrs.
- Reactor chambers are welded in Canada using 304 stainless steel.
- Power sources and chambers are designed and manufactured in Canada.
- 1/4" drain plug facilitates winterization.
- Available in 3 models to suit varying system requirements:

MR320E      basic model

MR320      + solenoid compatible

MR320/S      + UV intensity monitor (calibrated at 40mJ/cm<sup>2</sup>)

## OVERVIEW

UV Dynamics Mini-Rack Systems combine up to three standard or 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 look good as new for many years.

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

See reverse for some suggested combinations of filter housing types and sizes!

## PRODUCT SPECIFICATIONS

Flow Rate* - 16mJ/cm <sup>2</sup> :	20gpm (76L) ( 4.5m <sup>3</sup> /hr )
- 30mJ/cm <sup>2</sup> :	10gpm (37L) ( 2.2m <sup>3</sup> /hr )
- 40mJ/cm <sup>2</sup> :	8gpm (30L) ( 1.8m <sup>3</sup> /hr )
Inlet/Outlet Port Size:	3/4" FNPT inlet / 3/4" MNPT outlet

\* 16mJ/cm<sup>2</sup> dose is suitable for reducing non-pathogenic nuisance organisms only.  
Disinfection chamber hydraulic performance may limit maximum flow rate.  
Specified flow rates assume input water with 95% UVT

Max Operating Pressure:	100psi (6.9bar)
Water Temperature:	4 - 37°C (40-99°F)
Power Consumption:	40 watts
AC Supply Voltage:	120V or 240V (47-63Hz)

## THE WARRANTY

UV Dynamics water disinfection systems are supported with a 'free from defects' Workmanship and Material warranty:

- Ten year prorated warranty on the stainless steel disinfection chamber
- Three year warranty on the UV power source
- One year warranty on UV lamps, sleeves, sensor, and solenoid

conditions apply, contact manufacturer for details



Systems\* tested and certified by IAPMO against:

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

\*visit [iapmo.org](http://iapmo.org) for model information

# MR320(E) Combinations

MODEL #	DIMENSIONS (w x l x h)	SHIPPING WEIGHT
 MR320(E)-TP1S/100 1 x 10" standard filter housing	12½" x 6½" x 24½"	22lbs
 MR320(E)-TP1S/200 1 x 20" standard filter housing	12½" x 6½" x 29"	25lbs
 MR320(E)-TP2S/110 2 x 10" standard filter housing	18½" x 6½" x 24½"	29lbs
 MR320(E)-TP2S/220 2 x 20" standard filter housing	18½" x 6½" x 29"	33lbs
 MR320(E)-TP1/100 1 x 10" big blue filter housing	15" x 8" x 24½"	28lbs
 MR320(E)-TP1/200 1 x 20" big blue filter housing	15" x 8" x 30"	33lbs
 MR320(E)-TP2/110 2 x 10" big blue filter housing	22½" x 8" x 24½"	39lbs
 MR320(E)-TP2/220 2 x 20" big blue filter housing	22½" x 8" x 30"	46lbs

**Mini-Rack Systems are also available with triple sumps and in a monitored version!**