

ROMATE® STORAGE TANKS

A FAMILY OF HYDRO PNEUMATIC TANKS FOR STORING AND DISPENSING REVERSE OSMOSIS (RO)/HIGH PURITY WATER

ROmate 15: CH34469 ROmate 60: CH34504
 ROmate 20: CH34470 ROmate 80: CH34473
 ROmate 30: CH34471 ROmate 120: CH34505
 ROmate 40: CH34472



APPLICATIONS

RO/High Purity Water Storage and Dispensing

FEATURES

- 100% seamless composite construction
- 100% lead-free
- Produced using NSF® and/or FDA listed materials
- Built-in union connection

BENEFITS

- Superior corrosion resistance
- Lead free, environmentally safe
- Will not introduce chemicals or elements into water
- Easy installation and service

INSTALLATION TIPS

To ensure adequate flow and pressure to the water-using equipment, do not reduce piping/tubing size between storage tank and distribution plumbing

Piping/tubing size from the RO unit to the storage tank can be smaller than the distribution piping/tubing from the storage tank to the water-using equipment

The product water tubing/piping and associated fittings connecting the RO product outlet to the storage tank and equipment being serviced should be suitable for use with high purity water

Select a location capable of supporting the normal operating weight of the tank with a safety factor of at least 2 times. This will ensure adequate tank support in the unlikely event pre-charge pressure is lost

OPERATION TIPS

Drain water from tank and check storage tank pre-charge pressure on an annual basis

Sanitize storage tank on an annual basis

As pre-charge pressure varies, so does stored water volume and useable pressure. To follow are two simple descriptions of that relationship with all other factors remaining equal:

- Lower pre-charge pressures allow the storage tank to accept more water, but water pressure diminishes more rapidly as water is drawn
- Higher pre-charge pressures allow the storage tank to accept less water, but water pressure diminishes less rapidly as water is drawn

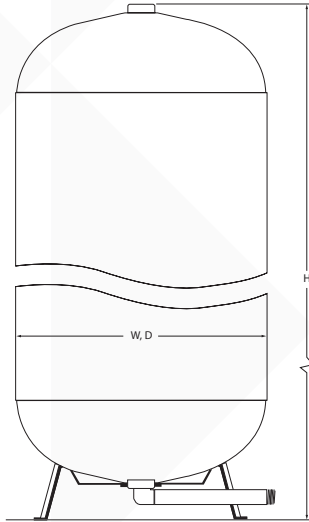
Rapid on-off cycling of RO system may indicate insufficient pre-charge pressure. Drain water from tank and check pre-charge - adjust as necessary

SIZING

Usable capacity will vary based on tank size, pre-charge pressure and RO system on-off pressure setting. The data shown below is one capacity example based on a 28 psi (1.9 bar) pre-charge with useable storage between 30/50 psi (2.1/3.4 bar):

ROmate 15	4.3 gallons (16.2 L)
ROmate 20	5.8 gallons (22.1 L)
ROmate 30	8.7 gallons (33.0 L)
ROmate 40	11.9 gallons (45.0 L)
ROmate 60	17.7 gallons (67.0 L)
ROmate 80	25.6 gallons (96.9 L)
ROmate 120	35.4 gallons (134.0 L)

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SPECIFICATIONS

Overall Dimensions

ROmate 15	26" H x 16" D (66 cm x 41 cm)
ROmate 20	32" H x 16" D (81 cm x 41 cm)
ROmate 30	44" H x 16" D (112 cm x 41 cm)
ROmate 40	57" H x 16" D (145 cm x 41 cm)
ROmate 60	41.5" H x 24" D (105 cm x 61 cm)
ROmate 80	55.25" H x 24" D (140 cm x 61 cm)
ROmate 120	74.25" H x 24" D (189 cm x 61 cm)

Inlet and Outlet Connection

3/4" male NPT

Maximum Operating Pressure

125 psi (8.62 bar), non-shock

Pre-Charge Pressure Requirements

5 - 50 psi (0.35 - 3.45 bar), typical

Maximum Operating Temperature

120°F (49°C)

Shipping Weight

ROmate 15	20 lbs (9.1 kg)
ROmate 20	24 lbs (10.9 kg)
ROmate 30	28 lbs (12.7 kg)
ROmate 40	35 lbs (15.9 kg)
ROmate 60	55 lbs (24.9 kg)
ROmate 80	63 lbs (28.6 kg)
ROmate 120	90 lbs (40.8 kg)

Approximate Operating Weight

@ 50 psi (3.45 bar) With 5 psi (0.35 bar)

Pre-Charge

ROmate 15	99.2 pounds (45.0 Kg)
ROmate 20	134.0 pounds (60.8 Kg)
ROmate 30	194.3 pounds (88.1 Kg)
ROmate 40	264.0 pounds (119.8 Kg)
ROmate 60	398.5 pounds (180.7 Kg)
ROmate 80	561.5 pounds (254.7 Kg)
ROmate 120	780.2 pounds (353.9 Kg)



Product complies with NSF/ANSI 61 Annex G, NSF/ANSI 372 and conforms with lead content requirements for "lead free" plumbing as defined by California, Vermont, Maryland, and Louisiana state laws and the U.S. Safe Drinking Water Act due to take effect in January 2014.



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WARRANTY

Everpure ROMATE Tanks by Pentair® are covered by a limited warranty against defects in material and workmanship for a period of five years from date of manufacture. Some exclusions apply. See printed warranty for details. Pentair will provide a copy of the warranty upon request.