PENTAIR
EVERPURE

ROMATE® STORAGE TANKS

System Part Numbers:

ROmate 15: 34679	ROmate 60: 34683
ROmate 20: 34680	ROmate 80: 34684
ROmate 30: 34681	ROmate 120: 34685
ROmate 40: 34682	

FEATURES • BENEFITS

◆ Made with lead-free design and seamless composite construction to help reduce corrosion

◆ Built-in union connection

◆ Will not introduce chemicals or elements into the water

◆ Easy to install and service

APPLICATIONS

◆ RO/high purity water storage and dispensing

INSTALLATION TIPS

◆ Install a properly-sized pressure relief valve to help protect the tank from over-pressurization. The pressure relief setting should be less than the maximum rated operating pressure of the tank.

◆ 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.

◆ Product water tubing/piping and fittings 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 two (2) times.

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 usable pressure. To follow are two simple descriptions of that relationship when all other factors remain 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 the RO system may indicate insufficient pre-charge pressure. Drain water from tank and check pre-charge, then adjust as necessary.
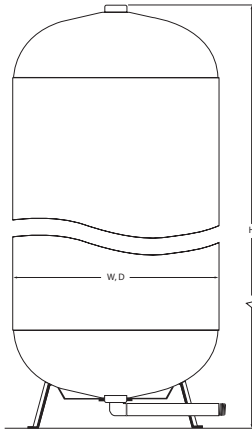
SIZING

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 usable 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)

Operating Pressure
125 psi (8.62 bar), non-shock

Pre-Charge Pressure Requirements
5 - 50 psi (0.35 - 3.45 bar), typical

Inlet and Outlet Connections

ROmate 15	1" Male NPT
ROmate 20	1" Male NPT
ROmate 30	1" Male NPT
ROmate 40	1" Male NPT
ROmate 60	1-1/4" Male NPT
ROmate 80	1-1/4" Male NPT
ROmate 120	1-1/4" Male NPT

Shipping Weight

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

Approximate Operating Weight @ 50 psi
(3.45 bar) with 5 psi (0.35 bar) pre-charge

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

Water Temperature
maximum: 120°F (49°C)

For Pentair Everpure Product Warranties visit:
http://pentair.com/assets/foodservice-warranty

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Certified to NSF/ANSI/CAN 61 & NSF/ANSI 372

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