



ROMATE® STORAGE TANKS

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

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



APPLICATIONS

RO/High Purity Water Storage and Dispensing

FEATURES • BENEFITS

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

- Superior corrosion resistance
- Will not introduce chemicals or elements into water
- Easy to install and service

INSTALLATION TIPS

Install a properly-sized pressure relief valve to 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 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 useable 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 .

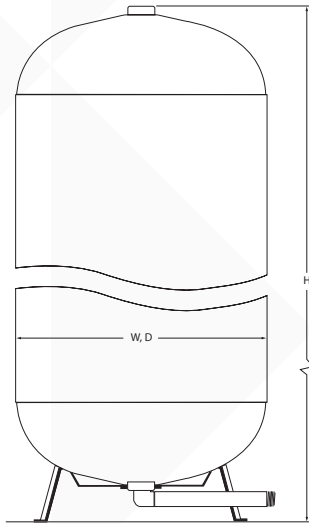
Rapid on-off cycling of RO system may indicate insufficient pre-charge pressure. Drain water from tank and check pre-charge, then adjust as necessary.

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 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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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.

SPECIFICATIONS

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)

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)

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.

Inlet and Outlet Connection

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)



FILTRATION & PROCESSING SOLUTIONS

EVERPURE-SHURFLO WORLD HEADQUARTERS, 1040 MUIRFIELD DRIVE, HANOVER PARK, IL 60133 USA • WWW.EVERPURE.COM
800.942.1153 MAIN (US ONLY) • 630.307.3000 MAIN • 630.307.3030 FAX • CSEVERPURE@PENTAIR.COM EMAIL

EVERPURE-SHURFLO AUSTRALIA, 1-21 MONASH DRIVE, DANDENONG SOUTH, VIC 3175, AUSTRALIA
011.1300.576.190 TEL • 011.61.39.562.7237 FAX • AU.EVERPURE@PENTAIR.COM EMAIL

EVERPURE-SHURFLO CHINA, 21F CLOUD 9 PLAZA, NO 1118, SHANGHAI, 200052, CHINA
86.21.3211.4588 TEL • 86.21.3211.4580 FAX • CHINA.WATER@PENTAIR.COM EMAIL

EVERPURE-SHURFLO INDIA, GREEN BOULEVARD, B-9/A, 7TH FLOOR - TOWER B SECTOR 62, NOIDA - 201301
91.120.419.9444 TEL • 91.120.419.9400 FAX • INDIACUSTOMER@PENTAIR.COM EMAIL

EVERPURE-SHURFLO EUROPE, PENTAIR WATER BELGIUM BVBA, INDUSTRIEPARK WOLFSTEE, TOEKOMSTLAAN, 30 B-2200 HERENTALS, BELGIUM
+32.(0).14.283.500 TEL • +32.(0).14.283.505 FAX • SALES@EVERPURE-EUROPE.COM EMAIL

EVERPURE-SHURFLO JAPAN INC., HASHIMOTO MN BLDG. 7F, 3-25-1 HASHIMOTO, MIDORI-KU, SAGAMIHARA-SHI KANAGAWA 252-0143, JAPAN
81.(0)42.775.3011 TEL • 81.(0)42.775.3015 FAX • INFO@EVERPURE.CO.JP EMAIL

EVERPURE-SHURFLO SOUTHEAST ASIA, SOUTHEAST ASIA, 390 HAVELOCK ROAD, #04-01, KING'S CENTRE, SINGAPORE 169662
65.6768.5800 TEL • 65.6737.5149 FAX • CSEVERPURE@PENTAIR.COM EMAIL

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