RENTENTION TANKS



FEATURES/BENEFITS

Quick connect design

Threadless connection eliminates potential for cross threading or over torquing

Multiple plumbing connections available: brass or plastic, NPT, BSP, glued socket or sweat

Provides optimal contact time

Seamless inner shell of molded polyethylene for impact and corrosion resistance

Vessel of choice for chemical treatment

Miles of epoxy covered fiberglass filament for superior strength and lightweight

Inlet/outlet PVC pipe connections offer application flexibility

Adaptable for both new and replacement installation

Additional drain port

SPECIFICATIONS

MODEL #	TOP CONNECTION	BOTTOM CONNECTION	DIMENSIONS	CAPACITY
CQE-RT-00100	1-¼" socket Q.C.	1-¼" male	16 x 44.5" (41 x 113 cm)	30 gal (113.5 L)
CQE-RT-00101	1-¼" socket Q.C.	1-¼" male	16 x 57.25" (40.6 x 145 cm)	40 gal (151.2 L)
CQE-RT-00103	1-¼" socket Q.C.	1-¼" male	21 x 62.75" (53 x 159 cm)	80 gal (302.4 L)
CQE-RT-00104	1-¼" socket Q.C.	1-¼" male	24 x 73.25" (61 x 186 cm)	120 gal (454 L)

TESTED and CERTIFIED by the WQA to NSF/ANSI Standard 44 for Water Softener Performance.

TESTED and CERTIFIED by the WQA to NSF/ANSI Standard 372 for Lead Free Compliance.

UL recognized to 979

Restriction of Hazardous Substance Compliant

VALVE SPECIFICATIONS

Valve Material	Fiber-reinforced polymer
Inlet/Outlet	3/4", 1", or 1-1/4" NPT/ BSP/Sweat
Cycles	3 or 5

FLOW RATES (50 PSI INLET) – VALVE ALONE

Continuous 15 psi drop	19 GPM (4.3 m^3/h)
Peak 25 psi drop	24 GPM (5.5 m^3/h)
Cv flow at 1 psi drop	4.8
Max. Backwash 25 psi drop	17 GPM (3.9 m^3/h)

REGENERATION

Downflow/Upflow	Downflow only
Adjustable Cycles	Yes
Time Available	
Electromechanical:	0 - 164 min/regeneration
SXT:	0 - 199 min/cycle
XT:	0 - 240 min/cycle

METER INFORMATION

Meter Accuracy	
3/4" Paddle/Turbine:	0.25 - 15 GPM ± 5% (0.06 - 3 m^3/h)
Meter Capacity Range	
3/4" Standard:	125 - 2,125 gal (0.5 - 8 m^3)
3/4" Extended:	625 - 10,625 gal (2.5 - 40 m^3)
SXT:	1 - 999,900 gal (0 - 3,785 m^3)
XT:	1,000 - 9,900,000 gal (3.8 - 37,476 m^3)

DIMENSIONS

Distributor Pilot	1.05" O.D. (26.7 mm)
Drain Line	1/2" NPTF Quick-Connect
Brine Valve	
1600:	3/8"
Injector System	1600
Mounting Base	2.5"– 8 NPSM
Height from Top of Tank	7.5" (191 mm)
Riser Tube Diameter	3/4" (19 mm)
Riser Height	1/4" Below top of tank

TYPICAL APPLICATIONS

Water Softener	6 - 16" diameter
Filters	8 - 16" diameter based on 10 GPM/ft^2

ADDITIONAL INFORMATION

Electrical Rating	24/110/220V 50/60 Hz
Estimated Shipping Weight	
Time Clock:	7 lbs
Metered Valve:	10 lbs
Pressure	
Hydrostatic:	300 psi (20 bar)
Working:	20 - 125 psi (1.4 - 8.5 bar)
Temperature	
Cold Water Valve:	34 - 110°F (1 - 43°C)

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