

CATALOG 2015

Water Softeners
Water Filters
Reverse Osmosis
Components & More

WATER



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“One Stop Purchase”

INTRODUCTION

In 2001, Shanghai Canature Environmental Products Co., Ltd was founded by Mr. Qu Jianguo, a Well-Known Entrepreneur in China. We are now one of the largest manufacturers of residential and commercial water treatment systems and components in China.

Our Plant is located close to the Shanghai Pudong International Airport and covers an area of 85,700 square meters, with over 600 employees, Canature has its own independent government authorized R&D Center, Modern manufacturing facilities, World-Leading inspection instruments in Physics and Chemistry Laboratory. Canature owns more than 100 patented technologies, and its products are awarded the "National Key New Products" by Chinese Government. All products are qualified with RoHS standard. Canature pressure tanks have passed NSF certificate. Canature independent designed and produced Multi-port control valves have passed NSF, RoHS, CE and ACS certificates. Canature's entire plant has been certified to ISO 9001 and ISO 14001 for quality and environmental guarantee.



Company A Information

Canature softeners, filters, commercial drinking water systems, Multi-Port control valves, pressure tanks, Reverse Osmosis systems brine tanks, brine wells, brine valves and other key components are manufactured within the Canature Plant for better quality control and guarantee.

Canature provides a variety of high quality water treatment products serving with OEM and ODM customers.

CANATURE succeeded in IPO applying and listed in China Stock Market on Nov,02,2011. the stock code is: 300272. Canature is the 1st public company in water treatment field in China. She will act as a leader in this field and bring the partners to the bright future.

Canature products: World-Class quality, made in China.

Choose Canature, Grow your business with us!



CHAIRMAN'S WORDS



Chairman Jianguo Qu

The rapid progress of science has come at great cost to our environment.
Modern civilization is running counter to the Laws of Nature.
While we enjoy the immediate benefits of our scientific advances, Mankind is shocked by the sudden crisis of the impact on our environment.
Water is the source of life and key to health.
Our mission is to return water to its natural state.
Enjoy natural, pure water the way Mother Nature intended it.

A handwritten signature in black ink, appearing to read "John B.", is centered on the page.

HISTORY

2001...

In February 2001, Mr. Qu Jianguo led his team to embark on the journey of starting Canature Environmental Products Co., Ltd. ("Canature or the company") in Lujiazui of Pudong New Area. From this simple beginning, the first Chinese whole-house water filter was developed. Afterwards the environment friendly philosophy of "Whole-house Water Filter to Ensure Household Health" was realized in Green Villas, a high-end residential community in Shanghai. The water pollution and contamination problem was solved successfully for the expatriate residents in the community.

2002...

In 2002, Canature rented a 6000m² factory in Shanghai Zhangjiang Hi-Tech Park and initiated the production of whole-house water filters. The product succeeded in obtaining the certification of Hi-Tech Enterprise Achievement Transformation Project this year when the company was certified by ISO9001 quality management systems.

2003...

In 2003, Canature purchased around 700,000 square foot of land in Pudong New Area of Shanghai and set out to build a modernized base for R&D and production. The company was rated as a Hi-Tech Enterprise of Shanghai City.

2004...

In 2004, with self investment, Canature kicked off Phase I of the project. The 11,000m² base for Research & Development and production was put into operation. During the same year, the company hosted a successful international symposium entitled "Nature Water and Fire, Energy Sources of Life" .

2005...

In 2005, the Canature Research & Development Center was officially set up that included a sophisticated chemical testing laboratory capable of testing to the high standards in the industry. The main purpose of the laboratory is to analyze the water contaminants in China and provide scientific testing for the quality control of residential water treatment products and raw materials. The Research & Development Center was honored as the "Pudong New Area R&D Institution" the same year.

2006...

In 2006, Canature received certification to ISO14001 Environmental Management Systems and two accreditations of Shanghai Municipal Key New Products. The company developed two successful patented products tailored to solve water pollution problems in China: Dual-tank Whole-House Water Filter and Kitchen Water Filter. Both products were accredited as Hi-tech Enterprise Achievement Transformation Project of Shanghai City.

2007...

In 2007, Canature completed the construction and began operations of its 40,000m² plant . The Whole House Water Filters developed and manufactured by Canature received the certificate of National Key New Product jointly issued by four ministries of China. Canature was certified as Science and Technology Little Giant Cultivation Enterprise and Patent Cultivation Enterprise of Shanghai City. The products of Canature were accredited by CE and EU RoHS.

2008...

In 2008, Canature' s share ownership was restructured. Its total capital stock was increased to RMB82.50 million shares. Canature Brand commercial water purification dispensers were applied to the Beijing 2008 Olympics and the General Hospital of the People' s Liberation Army (PLAGH). The company also received an honorary certificate signed by Jacques Rogge, IOC President and Liu Qi, Mayor of Beijing as well as a letter of thanks from PLAGH.

2009...

In 2009, Canature developed the core components for water treatment systems including FRP tanks which received certifications from US NSF and Germany TUV. Canature Brand was appraised as "Famous Brand of Shanghai City". The company established strategic partnership with TMMU University. The company was also listed on encouragement industry enterprise by the NDRC (National Development and Reform Commission) and the MIIT (Ministry of Industry and Information Technology)

2010...

In 2010, the commercial water purification dispensers produced by Canature were adopted and specified by World Expo 2010 Shanghai. Canature won the title sponsorship of "Canature Cup" International E-Paper Competition for Young Journalists. The grand event will provide an excellent showcase for primary and secondary school students to enhance their understanding of World Expo, water, environmental pollution and health. Canature products are listed as <Government Encouraged Environmental Products Catalog>.

2011...

On Nov. 2nd, 2011, Canature succeeded in IPO and Listed in China Stock Market (stock exchange code 300272), Canature is the first Listed Company in Water Treatment Industry in China.

Canature's independent developed Multi-Port Control Valves has got NSF certification of US, it showed Canature's R&D team of Residential Water Treatment System core component has reached the world leading level.

Canature's developed products has got 4 invention patents;

2012...

On April. 27th, 2012, "開能"&"Canature" brands were graded as "well-known trademarks in China" by SAIC; Sept. 17th, 2012, Canature Bentair Industry Park has been completed at No. 588 Chuan Zhan Rd. which is focus on R.O. manufacture

Oct. 19th, 2012, Mr. Qu Jianguo and Canature was awarded by Hurun Report as "Industry Achievement Award 2012".

Oct. 20th, 2012, Canature was granted as "the Most Social Responsibility Company" of listed companies by National Business Daily and many investors.

2013...

Introducing Germany Advanced Automatic blowing-injection-winding machines, which can produce pressure tank one piece per minute.

Canature bought another plant with an area of 25,700 square meters; it will be used to build a large production plant and Modern National R&D Center.

Canature starts to make our own RO membrane and cartridge filter to improve our advantages in RO system market.

2014...

Completely new Germany Robot production line started to produce pressure tanks, and also related automatic stereoscopic warehouse start to build; it will be finished in Jan, 2015.

In 2014, Canature obtained 24 patents and 3 of them are invention patents.

All water softeners, pressure tanks, control valves and bypass are passed ACS certificate, and also all residential control valves are passed CE and NSF certificate, and NSF lead free certificate.

Canature starts the 2nd manufacturing plant building in 2014, which take area of 25460 square meters, it will be built for water treatment products R&D Center and automatic stereoscopic warehouse etc.

OUR STRENGTH

R&D Center

Professional R&D ability is one of Canature's strong competitive advantages. Canature's R&D Center has two functions: One is the new product and new technologies develop, another one is the chemical and physics lab. They guaranteed the quality of the finished products through raw material inspection and new product testing.

Canature's R&D Center gathered so many doctors, master degree high technology people, whom with rich experience in water treatment products developing and application. All Canature's key technologies and products are come from this team.

Chemical Lab and Physics Lab own world advanced testing equipment and technology, and right now it is a National authorized independent water quality inspection Laboratory.



OUR STRENGTH

Fiberglass Pressure Tank Workshop

Canature introduced world most advanced Germany automatic Robot Equipment, expanded the production capacity to 600,000pcs/year. This is the only customized automatic equipment in the world, from raw plastic particles to pressure tank, all automatically, high quality and level production. One minute per tank will be produced. Canature pressure tanks are passed NSF and ACS certificate; production models cover 05 to 63 inches.



OUR STRENGTH

Plastic Components Workshop

Canature has two main plastic workshops: blowing molding plastic workshop and injection molding plastic workshop. Canature specially built plastic particles filling system to ensure no dust and automatically transport to different workshops and machines. Right now, Canature owns 15 sets blowing molding machines and 15 sets injection molding machines; millions of plastic components are produced here. Which include high quality water softener cabinets, pressure PE liner, brine tanks, control valves components etc. Canature uses the raw materials from the world top 500 manufacturers, No recycle material to ensure high quality products.



OUR STRENGTH

Control Valve Assembly Workshop

Annual production Capacity is 300,000 pcs. Own many assembly production lines and inspection lines. For control valves, more than 95% components are produced by Canature. Which include more than 100 models residential and commercial control valves. Canature BNT control valves are passed NSF, ACS, CE and RoHS certificates, all control valves will be 100% tested through water, air and function during production to ensure the quality.



OUR STRENGTH

Finished products assembly workshop

Canature owns three main finished products assembly workshops: water softener assembly workshop, RO system assembly workshop and water filter assembly workshop. All this 3 workshops are managed according to ISO 9001 to ensure high quality.

Water softener workshop:

Annual production capacity is 200,000 sets/year. Total 7 production lines. Can meet customized requirements of small quantities and different models.



RO system workshop:

Canature started to produce RO system since 2011, Canature's RO system enjoy good reputation in the market. Right now, the true production capacity can't meet the demand of sales. In coming future, Canature will expand his RO system production line rapidly, we have an intention to expand RO system production line to 500,000 sets, RO membrane 1,000,000pcs, carbon cartridge 1,000,000pcs. And at the same time, we'll improve our quality and price on RO system to keep more competitive; it would be one of our key products in coming future.

OUR STRENGTH



Water filter workshop:

Annual production capacity is 100,000 sets, Key products include whole house water filter, kitchen filter, commercial drinking system. Canature whole house water filter is a leading brand and manufacturing in Chinese Market and also we largely exported to international market.



OUR STRENGTH

Filter Cartridge Workshop

Canature started to roll RO membranes and produce carbon cartridges from 2012, with the market demand and rapid sales increasing, present production capacity can't meet our requirements now, we have intention to expand our production capacity to 500,000pcs RO system, 1,000,000pcs RO membrane and 1,000,000pcs carbon cartridges in coming years.



OUR STRENGTH

Marketing

Canature all products are sold to the entire world, and can meet the requirements of different markets. Canature's marketing activities mainly focus on Exhibitions, Internet and Magazine etc., and also we are looking forward different representatives in different area, we warmly welcome more friends visit us and build future and develop with us.



OUR STRENGTH

Warehouse

Automatic stereoscopic warehouse will be used for pressure tank made by automatic Robot, it can delivery the tanks automatically, save labor costs. Finished products warehouse take more than 10,000 square meters, it will be used for different products storage and logistic delivery.



OUR STRENGTH

Vision Planning

Below picture shows the whole Vision of Canature, include manufacturing plant 1 and 2 (under construction now). The 2nd plant take area of 25,460 square meters, it will be built for water treatment products R&D Center, Automatic Reverse Osmosis system production line and automatic stereoscopic warehouse etc. Canature is dedicated to be a Water Treatment Industry Park and offer full line products to the whole world.





FRESH IDEAS FOR YOUR HOME

New Key Products

B

New Key Products



BNT-89 Control Valve

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BNT-111 Control Valve

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The New Split Style Softener CS12H

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Unique Design Softener CS13H

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New Key Products

Water Saving RO System

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Integrate Reverse Osmosis System

P116



Carbon Cartridge

P125



UF System

P126-127





FRESH IDEAS FOR YOUR HOME

Multi-Port Control Valves & Connectors



User-friendly, reliable, powerful function and cost saving are our commitments to Canature BNT valve users. From basic to advanced, we have more than 80 models of filter and softener valves ready for your choices.

Multi-Port Control Valves



Option Colours : Black, White, Blue or Customized

Quality & Performance

Thorough side-by-side testing with competitive valves demonstrates the Canature Series control valves meets the highest industry performance and reliability standards. Familiar piston, seal and spacer technology and unique features such as time saving quick connect fittings on the bypass and brine line and integrated meter in bypass were designed with the Plumber in mind.

Canature Series control valves meet or exceed competitive performance in all four key performance measures:

- 1) Service Flow Rate,
- 2) BackWash Flow Rate,
- 3) Burst Pressure
- 4) Cycle Testing.

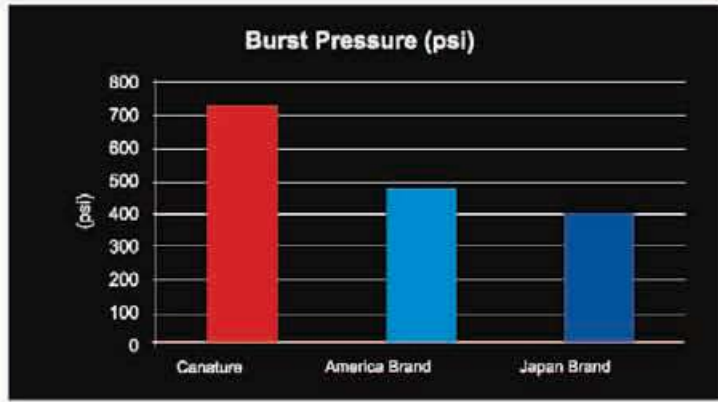


Product name	Standard
Valve Piston, Piston Rod, Brine Piston	Less than 0.6% lead (lead Free)
Teflon Coating	FDA Approved
Seals	NSF Approved
Body, Spacers, Couplings, Meter, etc.	NSF Approved
Meter Impeller	NSF Approved
Impeller Bearing	NSF Approved
Silicon Grease	NSF Approved

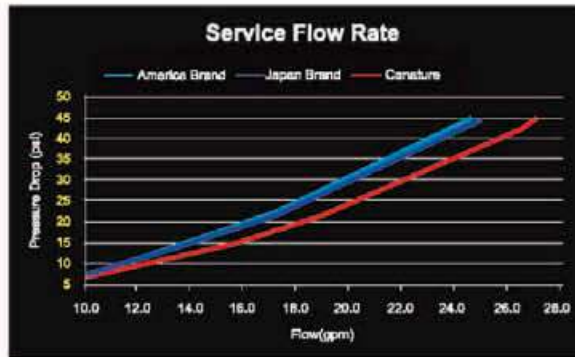
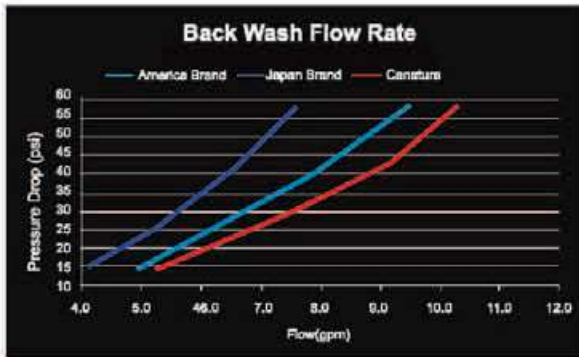
MFGR	Pressure Cycles (0-150psi)	pass/Fail
Canature	100,000 +	pass
America Brand	100,000 +	pass
Japan Brand	100,000 +	pass



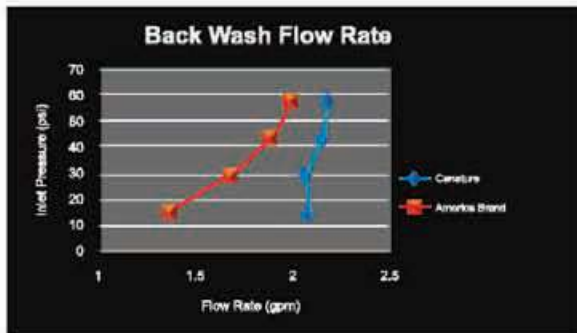
Precision tolerances and high quality materials in the Canature valve insure high quality performance and extreme reliability.



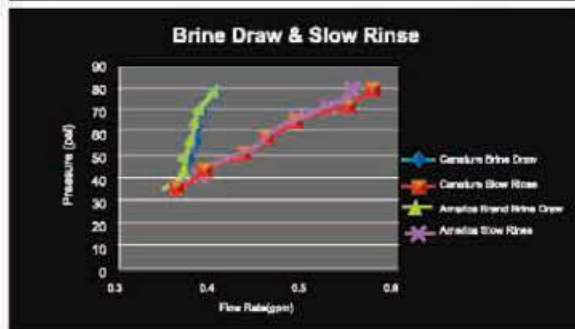
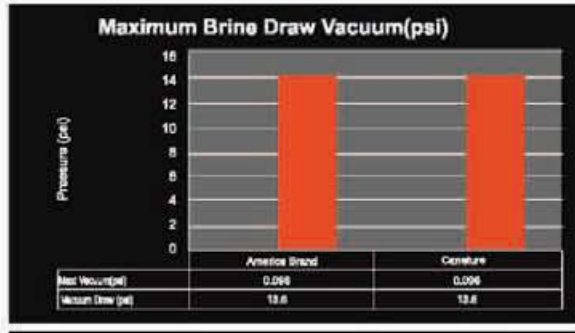
Canature valves surpass the NSF standard of 100,000 pressure cycles from 0–150 psi. BNT control valves can withstand higher pressure compared with other similar ones.



Design improvements resulted in the Canature valve having higher service and back wash flow rates.



Canature valves provide softener and filter systems with consistent back wash flow and optimized brine draw rates over a wide range of operating pressures.



Unique Features

Quick Connect Features for Ultimate Convenience

The quick connect bypass included with different sizes adaptors. Which include Elbow, NPT and BSP, adaptor with size 1/2", 3/4" and 1".



QC Drain Line with O-ring



All units include Bypass



Standard QC Fittings



QC Brine Line



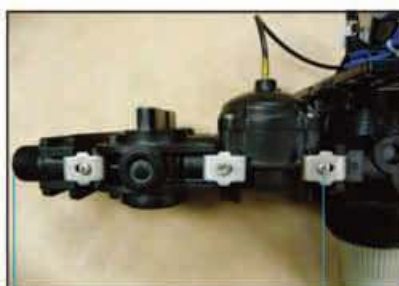
Optional Fittings



QC Power Cable

Space Saving Improved Design

Eliminate 4" and unnecessary connections for neat, quick installations. Bypass with integrated meter avoids 'meter jamming' which is caused from weight of pipes creating torque on turbines causing them to bind and stop metering.



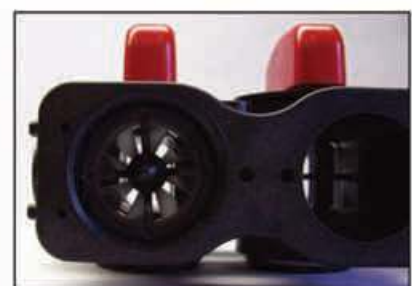
9 inches

Competitive Valve



5 inches

Canature Valve



Integrated 5 inches Meter in Bypass

BNT-95 Series



BNT-95



BNT-95 HF-2



BNT-89

BNT-85 HE Series



BNT-85 HE
Down flow / UP flow



BNT-185 HE
Down flow / UP flow



BNT-485 HE
Down flow / UP flow



BNT-585 HE
Down flow / UP flow

BNT-85 SE Series



BNT-585 SE
Down flow / UP flow



BNT-85 SE
Down flow / UP flow



BNT-865 SE
Down flow

BNT-85 Series



BNT-85



BNT-185

BNT-75 Series



BNT-75



BNT-175



BNT-275

BNT-65 Series



BNT-65



BNT-165



BNT-265



BNT-365



BNT-465



BNT-565



BNT-665



BNT-765



BNT-865

BNT-63 Series



BNT-631A(T)



BNT-631M(T)



BNT-631M(T)-02

BNT-111 Series

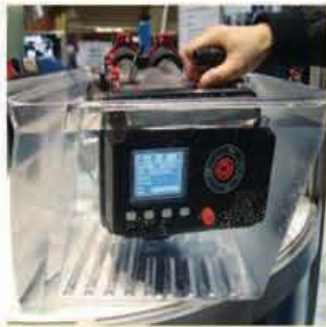


BNT-111

BNT-95 Control Valve

User Friendly High Flow Performance!

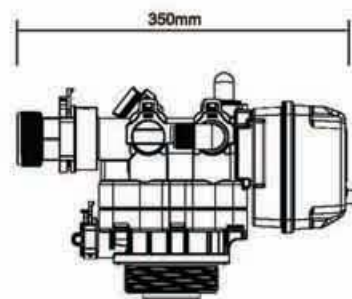
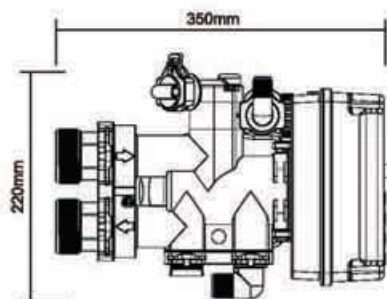
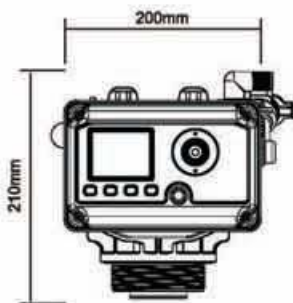
Languages: 



▲
INNOVATIVE
WATER
PROOF



- High Service Flow Rate: 45 GPM
- High Backwash Flow Rate: 30 GPM
- Water Proof
- Large Color Display
- Less Costs Than Same Class Valves



HIGHLIGHTS:



- Exclusive Canature control valve with reliable electronic sensors, piston, seals and spacer technology
- Water proof power head enclosure
- Up to 50.0 GPM flows (valve only) for commercial softening and filtration applications
- Regenerates up to 10 CF (280 L) softener systems
- Time saving quick connects on all connections for easy installation including power cable
- Additional access ports with quick connect clips for easy sample points
- Fully adjustable cycle times
- Meter Immediate, Meter Delayed, Meter with Day
- Override, and Calendar Clock mode
- Integrated turbine meter
48 hour self charging battery back-up keeps time-of-day stored while program settings are kept in permanent memory
- User friendly large color display shows time of day, total remaining capacity, and flow indication
- Simple to set program settings
- Uses less power than an alarm clock (Less than \$2 annually)

Specification	
Valve Body Material	Noryl (PPO)
Plumbing Connections (NPT & BSP)	1", 1.25", 1.5"
Tank Thread	2-1/2" NPSM & 4"-8UN
Adjustable Cycles	YES
Regeneration	Down Flow
Regeneration Mode	Meter, Timer, Meter Delay, Meter & Timer Mix
Meter Accuracy	+/- 5%
Maximum Meter Capacity	99.99 cbm
Distributor Pilot	1.05" & 2"
Drain Line	3/4" 1" Quick Connect
Brine Line	1/2" quick connect
Flow Rates (Valve noly 50psi inlet)	
Continuous (15psi drop)	10,000L/H
Peak (25psi drop)	11,000L/H
Max Backwash (25psi drop)	6800L/H
Cv	10
Typical Applications	
Softeners	up to 24" Diameter
Filters	up to 21" Diameter
Electrical	
Input	110V/60Hz, 220V/50Hz
Output	12V AC, 50Hz/60Hz.
Certification	CE, cUL
Operation Ratings	
Max. Working Pressure	0.14-0.84MPa
Max. Working Temperature	1-42 °C
Approvals	
NSF, CE, RoHS	
Additional Information	
Shipping Weight	4.50kgs

User Friendly Program



System Information

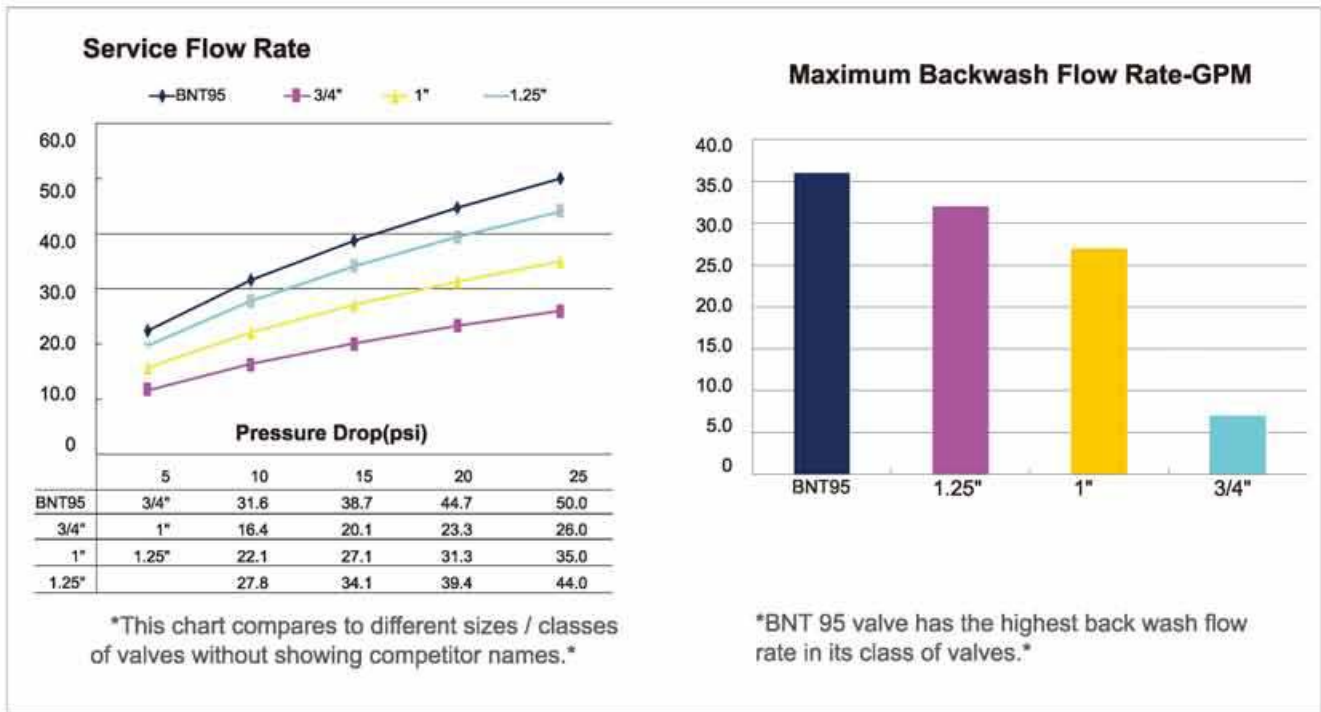


Advanced Settings



Holiday Mode

Compare with other valves in the market



BNT-95 VALVE					
FLOW RATE(GPM)	pressure drop (psi)				
	5	10	15	20	25
BNT-95	22.4	31.6	38.7	44.7	50
FLECK 7000	20.6	29.1	35.6	41.1	46
CLACK WS1	15.7	22.1	27.1	31.3	35
CLACK WS1.25	19.7	27.8	34.1	39.4	44
GE PERFORMA	14.5	20.6	25.2	29.1	32.5
FLECK 2750	15.2	21.5	26.3	30.4	34

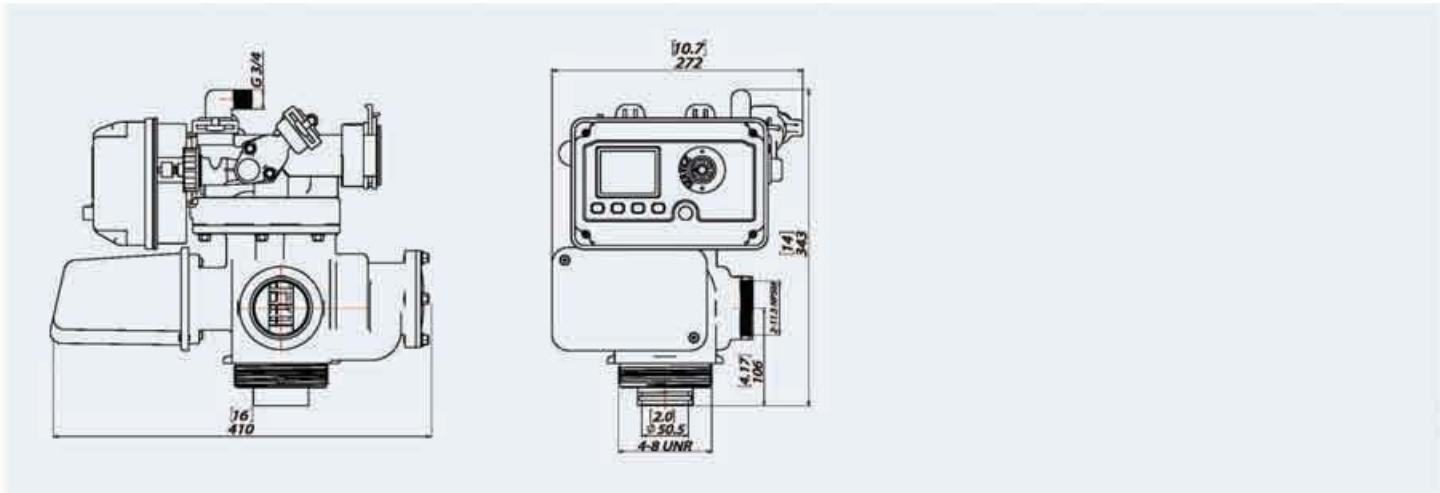


BNT 95HF-2 Control Valve

2" Brass commercial control valve

Languages: 

- High Service Flow Rate: 132 GPM
- High Backwash Flow Rate: 28 GPM
- Large Colorful Display



Features:

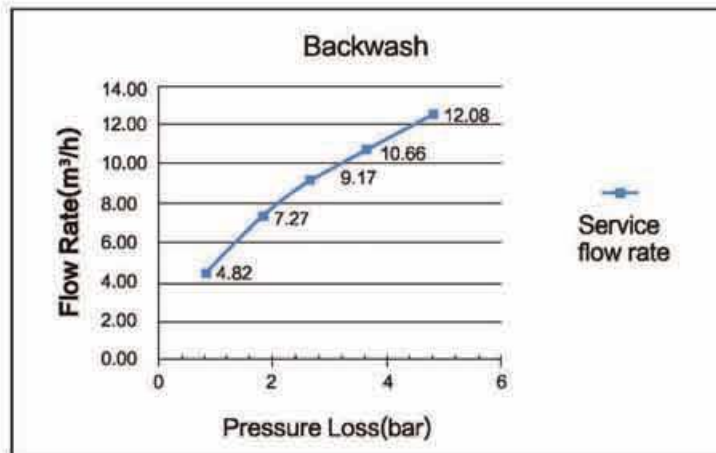
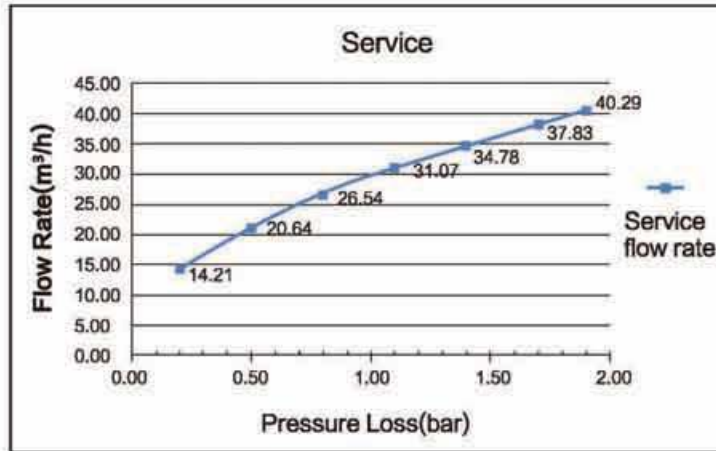
- Use lead-free brass + Noryl valve body, dual piston structure design.
- High service flow rate, apply to 18"-36" tank.
- It is applicable to the large-scale centralized water supply and multiple tank system.
- No hard water bypass when regenerate.
- 4" tank thread, top mounted, easy to install.
- Controller installed separately, easy to operate on-site.
- The thread of inlet and outlet is machined after the casting processing of valve body, as a result, the thread standard can be customized to meet different requirement.



Specifications	
Valve Body Material	lead-free brass+Noryl
Plumbing Connections	2" NPT or 2" BSPP
Tank Thread	4"-8 UNR
Adjustable Regeneration Cycles	YES ; 0-99 min
Regeneration	Down Flow
Regeneration Mode	Timer, Meter Immediate, Meter Delayed, Mix Regen.
Meter Accuracy	±5%
Maximum Meter Capacity	99.99 cbm
Distributor Pilot	2" OD
Drain Line	G 3/4,1"
Brine Line	G 1/2
Flow Rates (Valve Only 50 psi inlet)	
Continuous (15 psi drop)	30000L/H
Peak (25 psi drop)	38000L/H
Max. Backwash (25 psi drop)	7000L/H
Cv	33.4
Typical Applications	
Softeners	18"—36"
Filters	18"—24"
Electrical	
Input	AC 110V / 60Hz, AC 240V / 50Hz
Output	AC 24V
Operation Ratings	
Working Pressure	30 ~ 125 psi
Working Pressure	34 ~ 110 °F
Additional Information	
Dimension(with adaptor L X W X H)	410X270X300mm
Shipping weight	16 kg



HIGHLIGHTS:



User Friendly Program



Holiday Mode



System Information

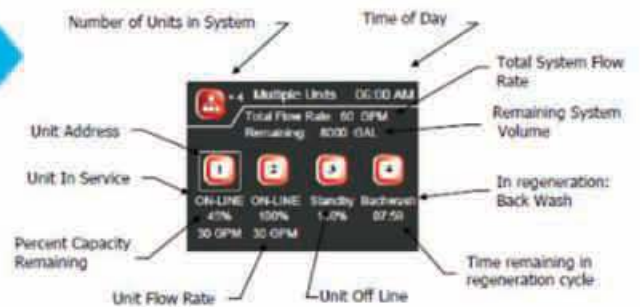


Advanced Settings

It is applicable to multiple tank system and the large-scale centralized water supply.



The powerful system control function of the controller



- 2.8" color LCD screen , display more information.
- Main controller is installed separately , convenient to observe and operate.
- 485 communication interface , equip with multi-tank extended interface , control the whole system with only one controller.
- After the regeneration of the softener tank , automatically determine to standby or service depending on the current flow rate.
- Remote operations can be applied.



BNT-89 Control Valve

User Friendly High Flow Performance!

Languages: 

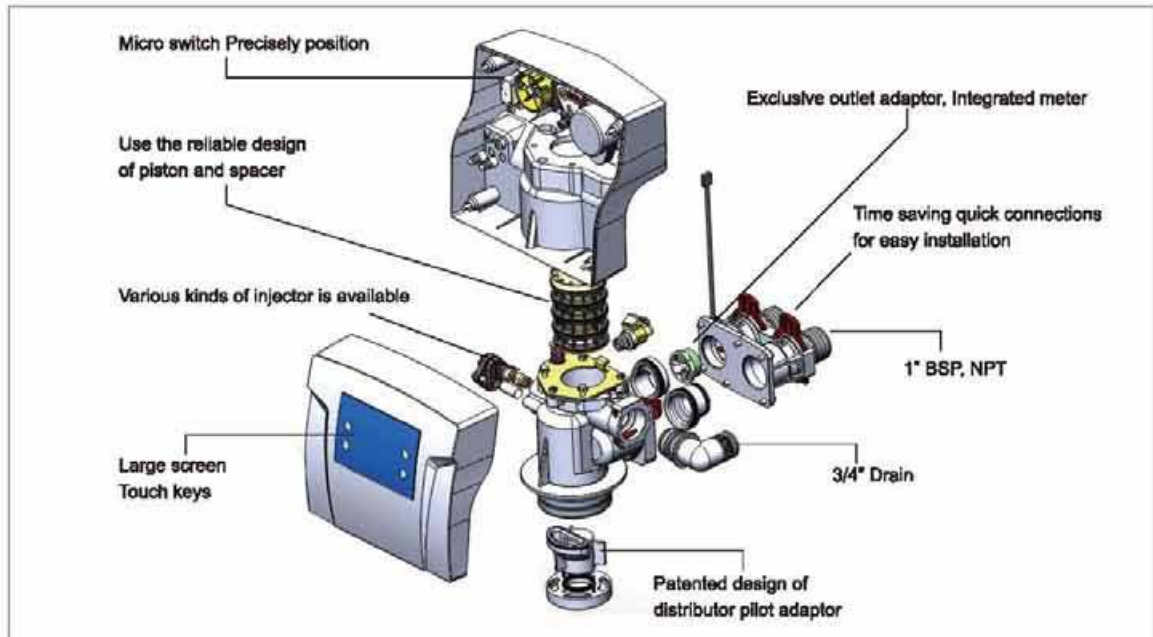
Feature:

- Use plastic valve body, durable , anti-corrosion, low cost.
- Classic design using the structure of piston and spacer, reliable, less failure.
- It is applicable to filter and softener system in high flow rate demand of resident and light commercial field.
- Hard water bypass when regenerate.
- High service and backwash flow rate. Can be applied to 10" - 18" tanks.
- LCD screen, four row display, touch keys, easier to operate the control panel.
- Regeneration mode including calendar clock, meter and add manual regeneration for commissioning.



- Up Flow regeneration and Down Flow regeneration is optional.
- Unique design for rise pipe adaptor and inlet and outlet connector fitting, easy to reverse.
- Five types of injector is optional
- DLFC: 11—24 gpm
Five types of DLFC available
- BLFC: 0.2—0.7gpm
Three types of BLFC available





Specification of BNT89 Control Valve

Specification	Valve material	Noryl		
	Inlet/outlet	1" BSP, 1" NPT		
	Mounting base	2.5" NPSM		
	Distributor pilot	OD 1.05"		
	Drain line	1/2" , 3/4" Quick connector 1"NPT.		
	Brine line connector	3/8" Quick connector		
	Meter accuracy	+/- 5%		
	Meter capacity range	1.3-130 LPM		
	MAX flow rate displayed	9.99M3/H		
	Regeneration mode	Timer, Meter, Meter Delay and Mix Regen.		
	Application	Down/Up Flow softener, Filter		
	Adjustable cycles	YES; 0-99 minutes		
	Regen. Cycles	890D control valve - DF regen.:		
		Back wash, brine+slow rinse, rapid rinse, refill		
890U control valve - UP regen.:				
Brine+slow rinse, back wash, rapid rinse, refill				
Dimension (with connector)	891 control valve --- filter:			
	Back wash, rinse			
	22X23X23cm Length X Width X Height			
Net weight;	2.1 Kg			
Flow rate (valve alone)	Model	890D	890U	891
	Continuous (15 psi drop gpm)	26.3	27.8	25.0
	Peak (25 psi drop gpm)	34.0	36.0	32.5
	Max backwash (25 psi drop gpm)	15.0	12.0	19.5
	Cv	6.8	7.2	6.5
Typical applications	Softener	10" - 21" diameter		
	Filter	10" - 18" diameter		
Electrical	Input	110V - 220V AC 50/60Hz		
	Output	12V AC 50/60Hz 650mA		
Operation ratings	Working pressure	0.14 - 0.87 MPa		
	Working temperature	1 - 42°C		
Approvals	NSF44			

BNT-85HE Control Valve

High Efficiency control valve

Languages: 



BNT-85 HE



BNT-185 HE



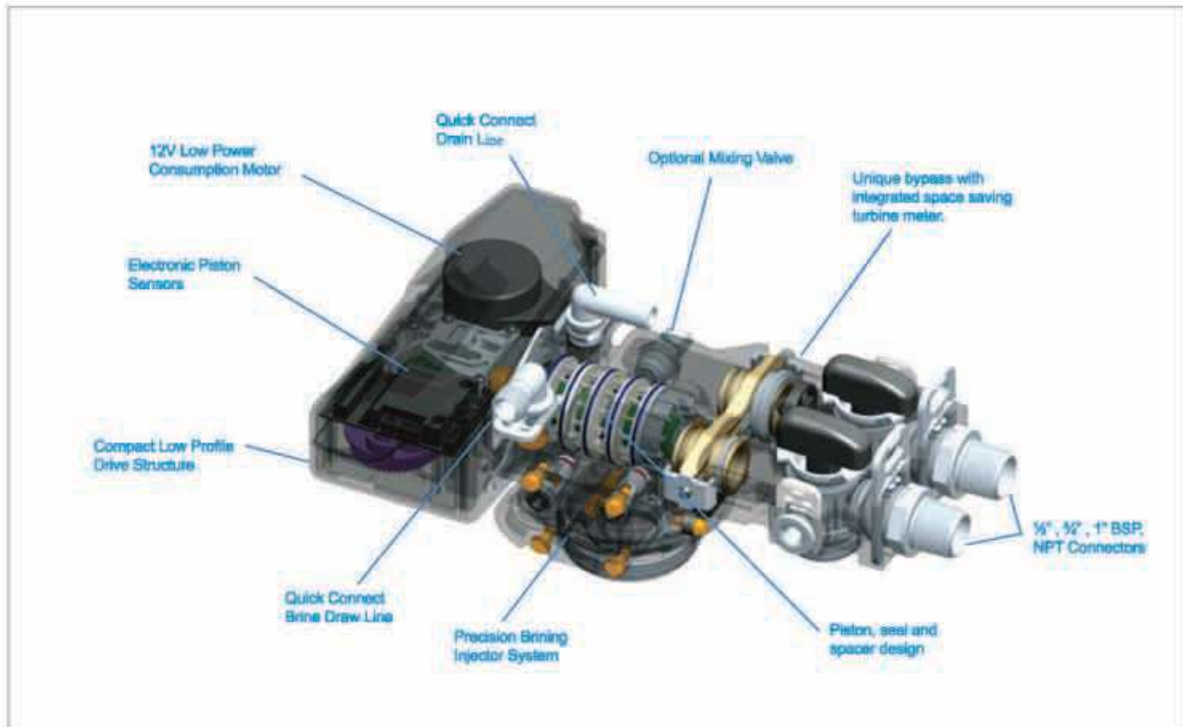
BNT-485 HE



BNT-585 HE

Features and Advantages

- **Back Wash Override mode**
On clean municipal water supply there is no need to back wash and clean the bed every regeneration. Save water each regeneration by skipping up to 10 backwash cycles.
- **Automatic Vacation Mode**
When there is no water used for 7 days, automatically "freshen" the tank and plumbing system with a 10 minute back wash and rinse.
- **Soft Water Recharge mode**
Never run out of soft water. If reserve capacity is depleted by a spike in water usage, the system will automatically perform a quick 20 minute "recharge" regeneration to restore up to 33% system capacity.
- **Soft Water Brine Tank Refill**
Conserve capacity and keep brine tank cleaner by adding treated soft water to brine tank rather than raw untreated water.
- **Backwash up to 16" Diameter Filters**
High back wash flow rate of 17GPM can back wash up to a 16" diameter sand filter.
- **Easy To Program**
User friendly 2 lines 16 characters LCD display
Simple set up and programming with no confusing codes or symbols to remember
- **No Touch Diagnostics**
Key diagnostics are automatically displayed every 5 seconds.
- **Exclusive Precision Brining**
The 85HE uses the precise amount of salt to only regenerate the used portion saving an additional 15-30% salt per regeneration.
- **Backwash Water Usage Reduction**
On clean municipal water supply there is no need to back wash and clean the bed every single regeneration. 85HE saves water each regeneration by skipping unnecessary backwash cycles.
- **Low Regeneration Water Usage Mode**
85HE water softeners are engineered to use minimum regeneration water necessary to efficiently regenerate the system resulting in water savings up to 58%.
- **Low Salt Usage Mode**
85HE systems are engineered to use the minimum regeneration water necessary along with high efficiency salt settings resulting in salt savings of up to 75%.



Specification	
Valve Body Material	Noryl (PPO)
Plumbing Connections (NPT & BSP)	Straight- 1/2", 3/4", 1"
Tank Thread	2-1/2" NPSM
Adjustable Cycles	0-99 minutes
Regeneration Mode	Meter, Timer, Meter Delay, Meter & Timer Mix
Meter Accuracy	+/- 5%
Maximum Meter Capacity	99.99 cbm
Distributor Pilot	1.05"
Drain Line	1/2" Quick Connect
Brine Line	3/8" Thread adaptor
Flow Rates (Valve noty 50psi inlet)	
Continuous (15psi drop)	4700L/H
Peak (25psi drop)	6100L/H
Max Backwash (25psi drop)	3800L/H
Cv	5.4
Typical Applications	
Softeners	up to 16" Diameter
Filters	up to 16" Diameter
Electrical	
Input	110V/60Hz, 220V/50Hz
Output	12V AC, 50hz/60-hz.
Certification	CE, cUL
Operation Ratings	
Max. Working Pressure	0.14-0.84MPa
Max. Working Temperature	1-42 °C
Approvals	
NSF, CE, RoHs	
Additional Information	
Shipping Weight	3.20kgs

BNT-85SE & 85 Series

Languages: 

Colorful Display



BNT-585 SE



BNT-85 SE



BNT-85



BNT-185

Features and Advantages

- Unique Horizontal valve body, high intension and pressurized structure, slim valve body, space saving.
- Exclusive NSF Certified electronic control valve with reliable piston, seal and spacer design.
- Reliable and precise electronic sensors to determine piston positions.
- Simple user friendly LCD display shows time of day, regeneration mode and gallons remaining.
- "Totalizer" function tracks total amount of water treated.
- 48 hour battery back-up keeps time-of-day stored while program settings are kept in permanent memory.
- No confusing codes or symbols to remember.
- Meter Immediate, Meter Delayed, Meter with Day Override, Vacation and Calendar Clock modes.
- Unique bypass with integrated space saving turbine meter and sample port on the inlet. One piece design avoids meter jamming.
- Time saving quick connections for easy installation and maintenance.
- Use safety AC 12V, less noise, more stable.
- One-key manual regeneration.

Specification	
Valve Body Material	Noryl (PPO)
Plumbing Connections (NPT & BSP)	Straight- 1/2", 3/4", 1"
Tank Thread	2-1/2" NPSM
Adjustable Cycles	0-99 minutes
Regeneration	Down Flow
Regeneration Mode	Meter, Timer, Meter Delay, Meter & Timer Mix
Meter Accuracy	+/- 5%
Maximum Meter Capacity	99.99 cbm
Distributor Pilot	1.05"
Drain Line	1/2" Quick Connect
Brine Line	3/8" Quick Connect
Flow Rates (Valve only 50psi inlet)	
Continuous (15psi drop)	4500L/H
Peak (25psi drop)	5900L/H
Max Backwash (25psi drop)	1600L/H
Cv	5.2
Typical Applications	
Softeners	up to 16" Diameter
Filters	up to 10" Diameter
Electrical	
Input	110V/60Hz, 220V/50Hz
Output	12V AC, 50-Hz/60-Hz.
Certification	CE, cUL
Operation Ratings	
Max. Working Pressure	0.14-0.84MPa
Max. Working Temperature	1-42 °C
Approvals	
NSF, CE, RoHs	
Additional Information	
Shipping Weight	3.20kgs

BNT-75 Control Valve

Languages: 



BNT-75S

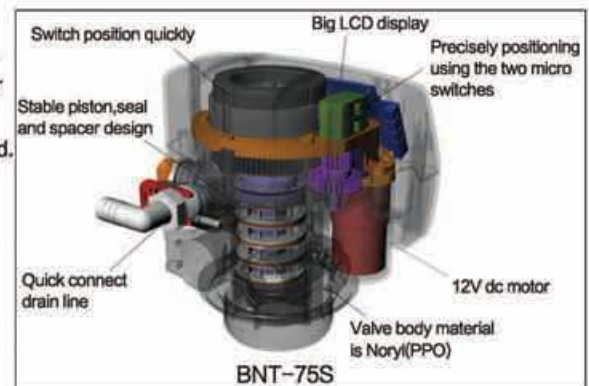


BNT-175S



BNT-275S

- Big LCD screen, user-friendly, easy to operate.
 - Use switching power supply (100-240V), world-wide powder adapted.
 - Use classic piston valve structure, which has been widely used for over 50 years.
 - Regeneration mode options: timer, meter immediate, and meter delayed.
 - Duration of every cycle of regeneration can be adjusted as desired.
 - Come with mixing function for different water.
 - Every cycle of the regeneration can be controlled precisely.
 - Typical and Reliable whirling-lift piston structure.
 - Power-break restoration function (optional), avoiding the undesired continuous working at any of the regeneration cycle.
- Quick connection for easy installation and maintenance.



	Specification
Valve Body Material	Noryl (PPO)
Plumbing Connections (NPT & BSP)	Straight- 1/2", 3/4", 1"
Tank Thread	2-1/2" NPSM
Adjustable Cycles	0-99 minutes
Regeneration	Down Flow
Regeneration Mode	Meter, Timer, Meter Delay, Meter & Timer Mix
Meter Accuracy	+/-5%
Maximum Meter Capacity	99.99 cbm
Distributor Pilot	1.05"
Drain Line	1/2" Quick Connect
Brine Line	3/8" Quick Connect
Flow Rates (Valve noly 50psi inlet)	
Continuous (15psi drop)	4500L/H
Peak (25psi drop)	5900L/H
Max Backwash (25psi drop)	1600L/H
Cv	5.2
Typical Applications	
Softeners	up to 16" Diameter
Filters	up to 10" Diameter
Electrical	
Input	110V/60Hz, 220V/50Hz
Output	12V AC, 50Hz/60Hz
Certification	CE, cUL
Operation Ratings	
Max. Working Pressure	0.14-0.84MPa
Max. Working Temperature	1-42 °C
Approvals	
NSF, CE, RoHs	
Additional Information	
Shipping Weight	3.20kgs

BNT-65 Control Valve

Languages:   



BNT-65 Series



BNT-165 Series



BNT-265 Series



BNT-365 Series

- Exclusive NSF Certified electronic control valve with reliable piston, seal and spacer design
- Manually index to cycle position for easier and faster installation and service
- Reliable and precise electronic sensors to determine piston positions
- Simple user friendly LCD display shows time of day, regeneration mode and gallons remaining
- "Totalizer" function tracks total amount of water treated
- 48 hour battery back-up keeps time-of-day stored while program settings are kept in permanent memory
- No confusing codes or symbols to remember
- Meter Immediate, Meter Delayed, Meter with Day Override, Vacation and Calendar Clock modes
- Fully adjustable cycle times
- Unique bypass with integrated space saving turbine meter and sample port on the inlet. One piece design avoids meter jamming.
- Time saving quick connections for easy installation and maintenance

Specification	
Valve Body Material	Noryl (PPO)
Plumbing Connections (NPT & BSP)	Straight- 1/2", 3/4", 1"
Tank Thread	2- 1/2" NPSM
Regeneration	Down Flow
Regeneration Mode	Timer
Regeneration Time	2:00 AM
Distributor Pilot	1.05"
Drain Line	1/2" Quick Connect
Brine Line	3/8" Quick Connect
Flow Rates (Valve only 50psi inlet)	
Continuous (15psi drop)	4500L/H
Peak (25psi drop)	5900L/H
Max Backwash (25psi drop)	1600L/H
Cv	5.2
Typical Applications	
Softeners	up to 16" Diameter
Filters	up to 10" Diameter
Electrical	
Input	110V/60Hz, 220V/50Hz
Output	12V AC, 50Hz/60Hz.
Certification	CE, cUL
Operation Ratings	
Max. Working Pressure	0.14-0.84MPa
Max. Working Temperature	1-42 °C
Approvals	
NSF, CE, RoHS	
Additional Information	
Shipping Weight	3.2 kgs



BNT-465 Series



BNT-565 Series



BNT-665 Series



BNT-765 Series



BNT-865 Series

Compare with mechanical valves

Model No.	Fleck 5600 Mechanical			BNT-1650F Meter		
Cycles	6			4		
Adjustable Cycles	NO			YES		
Cycle	Total Time	Flow Rate (lpm)	Volume (liter)	Total Time	Flow Rate (lpm)	Volume (liter)
Pre-liminary Rinse	10	9	90	NA	NA	NA
Backwash	10	9	90	2	9	18
Brine/slow Rinse	60	1.63	97.5	50	0.6	30
2nd Backwash	10	9	90	NA	NA	NA
Rinse	10	9	90	1	9	9
Refill	13.4	0.95	12.7	1.4	2.7	3.7
Total Per Regeneration			470.2			60.7
Salt Per Regeneration	15LBS/7KG			3LBS/1.4KG		
System Capacity	32,000 GRAINS			14,500 GRAINS		
Grains Per Pound Salt	2797			5133		

BNT-631 Control Valve



BNT631A(T)



BNT631M(T)



BNT631M(T)-02

BNT-631A (T)

- DC driven, quite and stable.
- Wide-band DC adaptor, worldwide applicable.
- Can manually regenerate as desired using the attached tool.
- Use back pressure technique for drain connection, minimize leaking problem.

BNT-631M (T)

- NO require of electricity, safe and reliable, easy operation.
- Child lock protection for undesired operation.

Model No.	BNT-631M(T)	BNT-631A (T)
Flow Rate	3,000L/H	
Valve Body Material	Noryl (PPO)	
Plumbing Connections (NPT &BSP)	Straight- 1/2", 3/4", 1"	
Tank Thread	2-1/2" NPSM	
Regeneration Mode	Manual	Timer
Regeneration Cycle	Any Time	1-12 days
Distributor Pilot	1.05"	
Drain Line	1/2" Quick Connect	
Filters	up to 10" Diameter	
Power Supply	N/A	DC 12V
Max. Working Pressure	0.14-0.84MPa	
Max. Working Temperature	1-39°C	
Approvals	NSF, CE, RoHs	

BNT-111 Control Valve

1" Manual Filter Valve

Feature:

- Designed for filtration systems with a high back wash flow rate.
- Switched diaphragm assembly inside, as an end seal performs better than a ceramic seal for use on dirty water source.
- With filtration and back washing process only, simple internal structure and operation, high efficiency.
- Applicable to 6"-14" tanks, two DLFC inside to adjust the backwash flow rate.
- Simple initiation of back washing processes, simply lift the holder. Diaphragm assembly is driven automatically by a differential pressure outlet.
- Easy maintenance, inlet/outlet/ drain port with Quick Connection adapter available.

Specification	
Valve Body Materials	Anti-UV PP+ PPO
Working Pressure	0.2-0.6 MPa 0.2-0.87 MPa(PPO)
Working Temperature	2-40 ° C
Inlet/Outlet/ Drain Port	1" QC adapter
Tank Thread	2.5" - NPSM
Distributor Pilot	1.050" OD
Dimension (LxWxH)	180X140X130mm
Valve Weight	700 g
Adapter(Optional)	1" NPT, BSP thread and PPR socket
Flow Rate (valve only 50 psi inlet)	
Filtration Continuous (15 psi drop)	4.5 m/H
Filtration Peak (25 psi drop)	5.9 m/H
Filtration Cv	5.2
Back Wash Cv	5.0



Residual Chlorine Generator

Specifications:

Power: DC12V 600mA

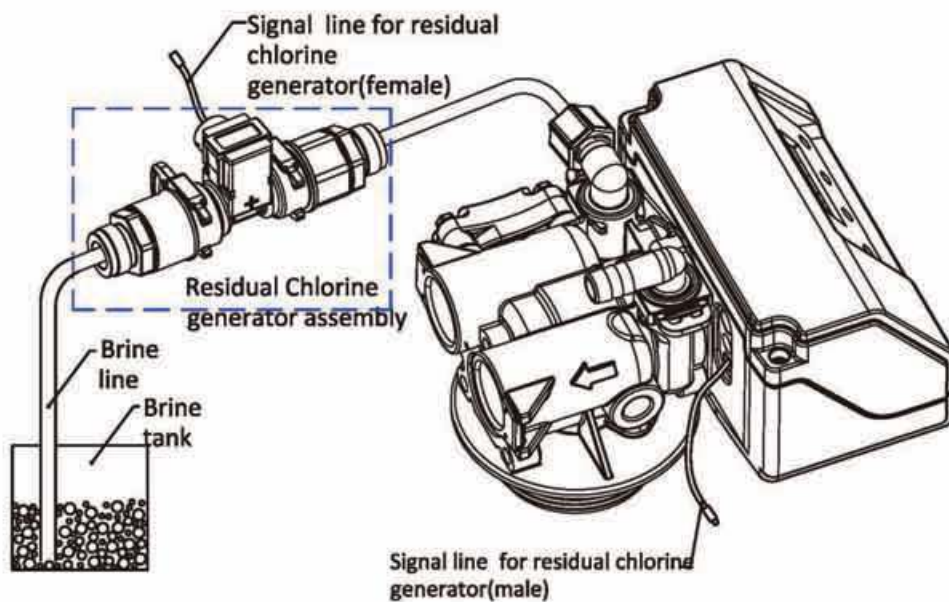
Total Residual Chlorine Concentration:0.4ppm (salt solution rate 1.0L/min)

With alarming function when the softener system is lack of salt in the brine tank.



Principal of Work

The main function of the residual chlorine generator is to produce residual chlorine through electrolytic reaction, thus killing the bacteria or other relevant microbes that affect the water quality in the container or the solution, effectively reduce the existence of all kinds of microorganisms.



In-line Monitor (Multi-Function Controller)



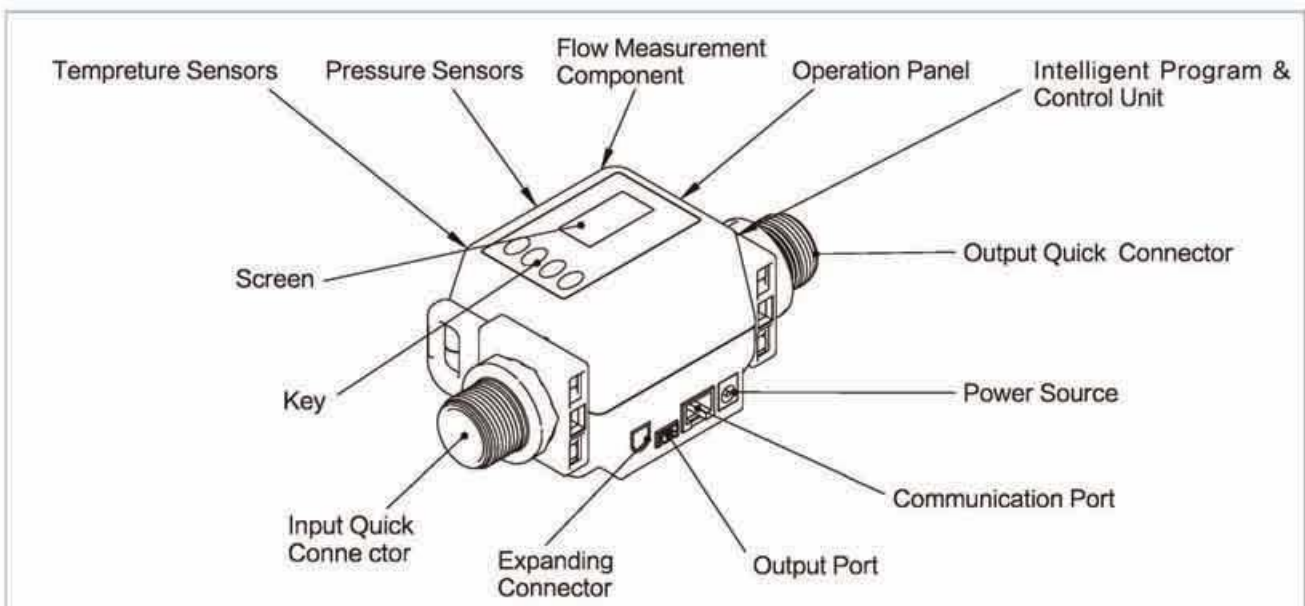
1) Functions

- Flow Measurement (instant flow and accumulative flow)
- Temperature Inspection
- Pressure Inspection
- Pressure Comparison
- Leaking Inspection
- Abnormity Operation Warning
- Functional Control Output (such as ball valve)
- Measurement information Output (such as transfer to GPRS terminal)
- Automatic Long-Distance control (such as automatic water cut-off)
- Customized for Residential and Commercial Water filter System.

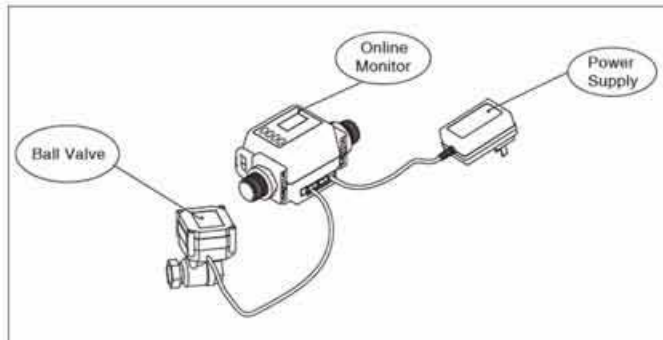
2) Features

- Use Canature unique Quick-Connection adaptors, 1", 3/4" and 1/2" adaptors are available, same as Canature BNT control valves adaptors.
- LCD display, user-friendly and easy to operate.
- Easily inspect the water temperature, pressure, and flow for system better working.
- Can work as a Leaking Alert to cut off the ball valve when leaking. Support Long-Distance control through GPRS, which can offer end

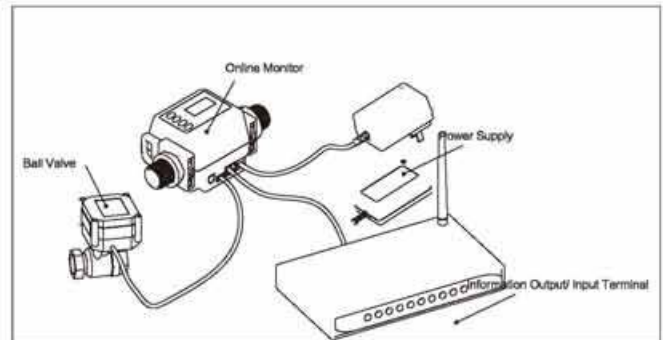
3) Structure



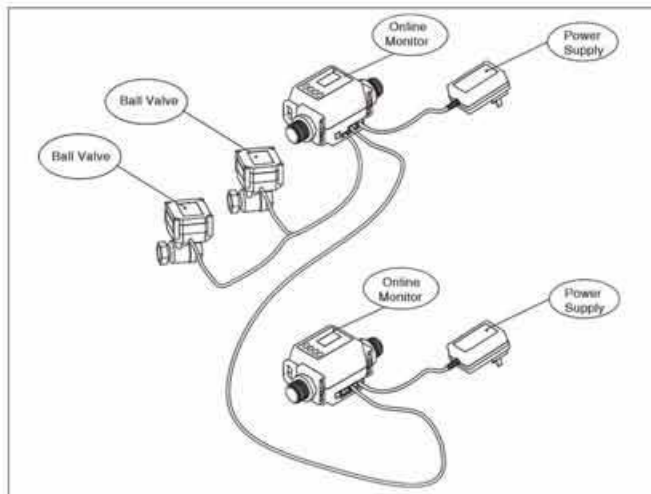
4) Application



- Connect with a ball valve can work as a Leaking Alert. Start up the ball valve timely.



- The Inline Monitor can inspect the pressure, temperature, instant flow, accumulative flow, leaking and transmit the information to the server terminal.



- Connect two inline monitors with the water filter or softener, user can learn the pressure before and after the system, and also the inline monitor can transmit this information to the server, who start the regeneration accordingly.

Adjustable Pressure Reducer (1/2")

This adjustable pressure reducer can be combined with our water softener, filter or control valves, which installed in the water pipe to reduce the inlet pressure to protect the system.



Specifications:

Nominal pressure	Testing Pressure				Pressure adjustable Range			Flow Range	Working
	Proof Testing	Burst Pressure	Forward Cycle Testing	Backward Cycle Testing	Working Pressure	Outlet Pressure	Outlet Pressure differences		
0.86MPa	2.07MPa	3.45MPa	1.0MPa (100,000times)	0.6MPa (100,000 times)	0.35-0.60MPa	0.15-0.4 MPa	≤10%	0.38-2.26 CBM/H	Temperature ≤60 degree

Distribution Head



Distribution Head III



Distribution Head IV



Distribution Head V

1) Functions

- 1) Unique Parallel Inlet and Outlet design, which differ from the traditional Point-blank design. (FOR IV)
- 2) Upper Outlet, 360° revolving. Nice connection with Elbow adaptor, meet Multi-Position connection requirements. (FOR V)
- 3) Optional bypass (FOR IV)
- 4) Quick connection for easy installation and maintenance.
- 5) Made from NORYL food-grade material, safe and strong.
- 6) Variable connection adaptors, meet different requirements.

Model	Distribution Head III	Distribution Head IV	Distribution Head V
Part Number	02110003B	07070019	07070020
Inlet & Outlet Connect Size	1/2" ; 3/4" ; 1" BSP/NPT	1/2" ; 3/4" ; 1" BSP/NPT	1/2" ; 3/4" ; 1" BSP/NPT
Material	PPO	PPO	PPO

Bypass & Components

"Push-pull" Bypass valve

Push the draw bar to get the service state. Draw the draw bar to get the bypass state.

- Unique design, with only one movement to bypass the water flow, easy to operate.
- Inlet and outlet connection: 1/2" , 3/4" and 1" BSP/NPT



Model Number Bypass-BNT-062

Description Plastic Bypass for BNT Series Valve

Material PPO



Model Number Bypass-BNT-063

Description Plastic Bypass for BNT Series Valve

Material PPO



Model Number Bypass-BNT-061

Description Plastic Bypass for Fleck Series Valve and BNT Series Valves.

Material PPO



Model Number Bypass-GE-061

Description Plastic Bypass for 255/253 Series Valve

Material PPO



Part Number 02170090

Description Outer Meter

Material PPO



Part Number 02170011M

Description GE Valve Accessories

Material Nylon/copper



Part Number 02170033B

Description Manifold with quick connection

Material PPO



Part Number 02170006 M

Description Manifold for GE 255/253 Valve (with accessories)

Material PPO



Part Number 70020007 M

Description Bypass Tool

Material PPO

Quick Connection Adaptors & Elbows

Part Number	02170008
Description	Overflow Adaptor
Material	POM



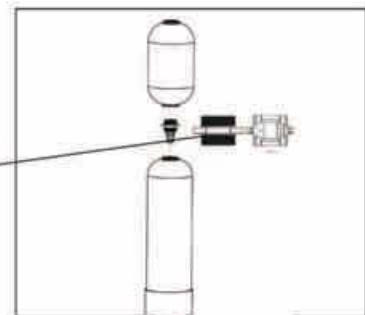
Part Number	02170004
Description	Quick Connector I
Dimension(mm)	Φ118x67
Function	A joint between FRP vessel and control valve
Material	PPO



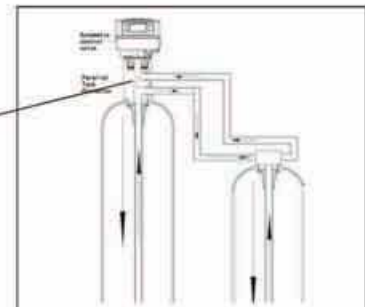
Part Number	02170114
Description	Quick Connector II
Dimension(mm)	Φ99x63
Function	A joint between FRP vessel and control valve
Material	PPO



Part Number	02170005
Description	Horizontal Tank Connector
Dimension(mm)	Φ101 × 66
Function	Join two tanks vertically
Material	PPO

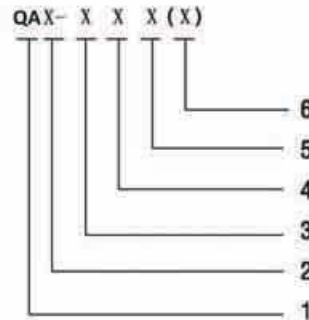


Part Number	02170009
Description	Parallel Tank Connector
Dimension(mm)	175 × 56 × 40
Function	Connect two tanks parallelly
Material	PPO



Quick Adapters

Quick Adapter Naming Rules



1. Product Name:

- QA: quick adapter
- QAF: female quick adapter
- QD: quick adapter for draining

2. Quick adaptor dimension:

- 04 = 1/2"
- 06 = 3/4"
- 10 = 1"
- 12 = 1.25"

3. Thread/Tube Dimension:

- 04 = 1/2"
- 06 = 3/4"
- 10 = 1"
- 12 = 1.25"
- 15 = 1.5"

4. Thread and Tube

- Thread: BSP, BSPP, NPT
- Tube: PPR
- American standard tube: AST

5. Thread Type (if not thread, omit)

- Male: Omit
- Female: F

6. Product Type:

- Straight: Omit
- Elbow: E
- 45 degree Elbow: 45E
- Three way: TW
- plug: plug

Quick Adapter for BNT-63,65,75,85 Series valves



Description	PPR Tube			American Standard tube		
Part No.	07160411	07160406	07160404	07160498	07160416	07160414
Model No.	QA06-10PPR	QA06-06PPR	QA06-04PPR	QA06-10AST	QA06-06AST	QA06-04AST
Dimension(mm)	1"	3/4"	1/2"	1"	3/4"	1/2"



Description	Thread Adaptor					
Part No.	21319001	21319006	21319004	21319011	21319016	21319003
Model No.	QA06-10BSP	QA06-06BSP	QA06-04BSP	QA06-10NPT	QA06-06NPT	QA06-03BSP
Dimension(mm)	1"	3/4"	1/2"	1"	3/4"	3/8"



Description	Thread Elbow			
Part No.	21319021	21319026	21319024	21319036
Model No.	QA06-10BSP(E)	QA06-06BSP(E)	QA06-04BSP(E)	QA06-04NPT(E)
Dimension(mm)	1"	3/4"	1/2"	3/4"



Description	Universal Plug
Part No.	30090006
Model No.	QA06 (Plug)
Dimension(mm)	3/8"



Description	Thread Adaptor
Part No.	21319104
Model No.	QA06-04BSPF
Dimension(mm)	1/2"



Description	Three Way
Part No.	21130042
Model No.	04BSPF-02BSPF-04BSP(TW)
Dimension(mm)	1/2" *1/4" *1/2"



Description	Three Way
Part No.	21310041
Model No.	QAF04-04-03 (TW)
Dimension(mm)	1/2" *1/2" *3/8"



Description	PPR Tube Elbow
Part No.	21063034
Model No.	QA04-06PPR(E)
Dimension(mm)	3/4"



Description	Quick Adaptor
Part No.	21319114
Model No.	QA04-04BSPF
Dimension(mm)	1/2"



Description	Quick Adaptor
Part No.	21319034
Model No.	QA04-04BSP
Dimension(mm)	1/2"



Description	Quick connection drain adaptor
Part No.	30020016
Model No.	QD04-03
Dimension(mm)	3/8"



Description	Quick connection drain elbow (large)
Part No.	05010082
Model No.	QD04-03 (E)
Dimension(mm)	3/8"



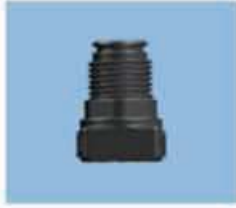
Description	Quick-connection Elbow
Part No.	21069001
Model No.	QA04-03(E)
Dimension(mm)	3/8"



Description	Three-Way quick connection drain adaptor
Part No.	30020021
Model No.	QD04-03-03 (TW)
Dimension(mm)	3/8"



Description	45 degree quick connection adaptor
Part No.	21319044
Model No.	QA04-04NPT(45E)
Dimension(mm)	1/2"



Description	Drain transfer adaptor
Part No.	21319040
Model No.	04BSP-04BSPF
Dimension(mm)	1/2"



Description	45 degree quick connection drain adaptor
Part No.	30020020
Model No.	QD04(45E)
Dimension(mm)	3/8"



Description	Bypass Plug
Part No.	05056146
Model No.	QA04(Plug)
Dimension(mm)	1/2"



Description	Bypass testing port elbow
Part No.	30020013
Model No.	QA04-03BSP(E)
Dimension(mm)	3/8"



Description	Quick connection drain adaptor
Part No.	05020022
Model No.	QA04-06BSP
Dimension(mm)	3/4"



Description	Quick connection adaptor
Part No.	21319033
Model No.	QA04-03BSP
Dimension(mm)	3/8"



FRESH IDEAS FOR YOUR HOME

Pressure Tanks



Canature pressure tanks are designed and made to meet world-class quality standard but at competitive costs. NSF certificated.

Available in natural, blue and black colors.

Pressure Tanks

Certifications

Canture Pressure Tanks are NSF and ACS Certified



ø : 05"-63"
H: 13"-86"



KTW & WRAS: PENDING

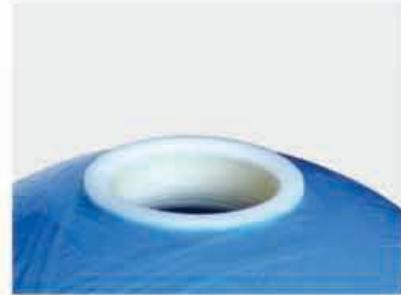
Pressure Tanks



Pressure tanks are made of high performance Composite material with Fiber glass filament winding



All pressure tanks are made by a complete seamless molding technology



All thread inlet made from 30% glass filled PP provides higher strength, temperature and pressure limits



HDPE Liner wall thickness available from 3.0 mm to 8.0 mm corresponding to the tank diameter



Water contact parts are made by Food-Grade materials



All pressure tanks are 100% rustproof and corrosion resistant

- Full choice of pressure tank from 5"–63" in diameter and from 13"–86" in height
- Top and bottom opening type available for some of pressure tanks
- Reinforced composites are one third the weight of steel tanks
- Scientific structure insures the base can endure impact and abrasion and provides better performance
- Nice appearance, constant dimension
- We provide more accessories and fittings on water treatment related to pressure tanks, save time and money for you

Manufacture Procedure of Robot



To begin the process, the concentrated feeder system draws plastic particles into the hopper. The raw material will then enter into the extruder. High temperatures produced in the extruder melt the plastic particles.



As the robot arm grabs the thread insert, material is checked for quality, if it does not meet specific standards it will be eliminated in the delivery process.



Once complete, the mold opens and the robot arm takes the finished liner and transfers it to a cooling rack. Once cooled, the liner is put on a conveyor belt to be transferred to the liner storage rack.



At the measurement station, the robot arm automatically grabs the shaft and waits for measuring to begin. During this time, the bottom plate of the shaft will be returned to the designated shaft area.



After the shaft is screwed into the liner, a bottom plate must be installed. This is a process automatically completed by the Bottom Plate Transporter. If there is any failure in this process an alarm is sounded causing the robot arm to remove the liner and place it in the unqualified area.

Pressure Tanks



The robot arm will load tanks onto the carousel until the loading number is reached. At this point, the carousel will automatically rotate 90°C into the Plasma Station where the surface treatment will begin. During the plasma surface treatment, an inflating process is performed where air is filled into the liner to prepare it for the winding process. The tank is also tested for air leaks during this time. If a leak is found, the robot arm will remove the tank and place it in the unqualified area.



After the plasma surface treatment and inflation process are complete, the carousel will automatically rotate 90° where the robot arm will place the tanks onto the winding machine. When the liners are fixed into place, the winding process begins. The winding process automatically controls the following actions: fix fiber, helical winding, hoop winding, resin volume control, tension control and fiber cutting.



The tank is hung on the transport chain and then moves through a solidification process. This process moves the tank through three different ovens at varying temperatures. The use of three ovens is utilized to achieve a better solidification effect.



After the tank exits the oven, the chain will transport the tank to the Separating Station. Here the robot arm will remove the tank, screw out the shaft and reload the shaft on the bottom plate. The tank is then placed on the Tank Storage Rack.



From the Tank Storage Rack, the tanks will then be moved to an automatic Packing Machine, where the tanks will be packed.

Operation Pressure :	150psi (10.5Bar)
Operation Temperature	34-122° F(1-50° C)
Max Vacuum	140 mm Hg
Mini exposed Temperature	-30° C(-22° F)

Specification

Test

250,000 times of cycle test from 0-150psi withstanding pressure.
(NSF's requirement is 100,000 times)

Burst test to FOUR times of its operating pressure.(600psi)

Color

Basically we provide 3 colors for your choice: Natural(Standard)black and blue.Other customized color is available on request.

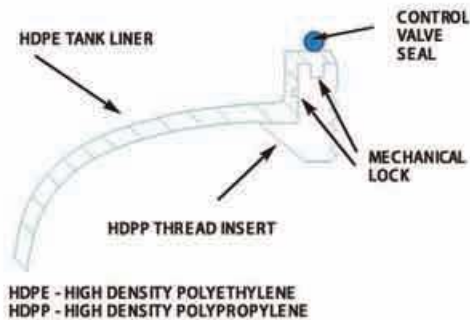
Canature also produces a special colored liner which is completely opaque to sunlight pass through and provides solution to algae and micro-organism growth in side the tank due to hot and humid weather

Save on Freight

Why Ship air?
Order Tanks filled with 8% cross-linked WQA approved resin



Spill Proof Shipping Cap

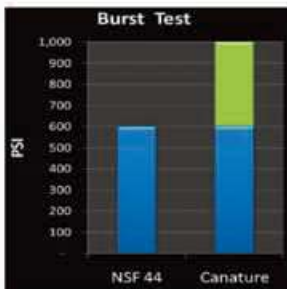


High Density Polyethylene (HDPE Tank Liner)

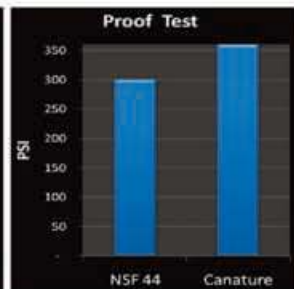
- Strict dimensional control. (+/- 3mm overall length)
- High tensile strength (HDPE 4550 PSI vs. LDPE 1700 PSI)
- Light weight
- Good impact resistance
- Low moisture absorption

High Density Glass Filled Polypropylene Threads

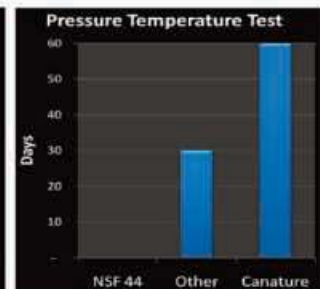
- High strength
- High chemical resistance
- High temperature resistance / melting point (150 to 200 degrees F)
- Abrasion Resistance
- Lightweight
- Excellent Dimensional Stability



To insure rugged durability and safety, Canature tanks consistently pass the NSF 44 standard for burst and proof testing.



To insure consistent reliability, our tanks consistently pass 2.5 times more pressure cycles (our standard) than the NSF 44 standard.



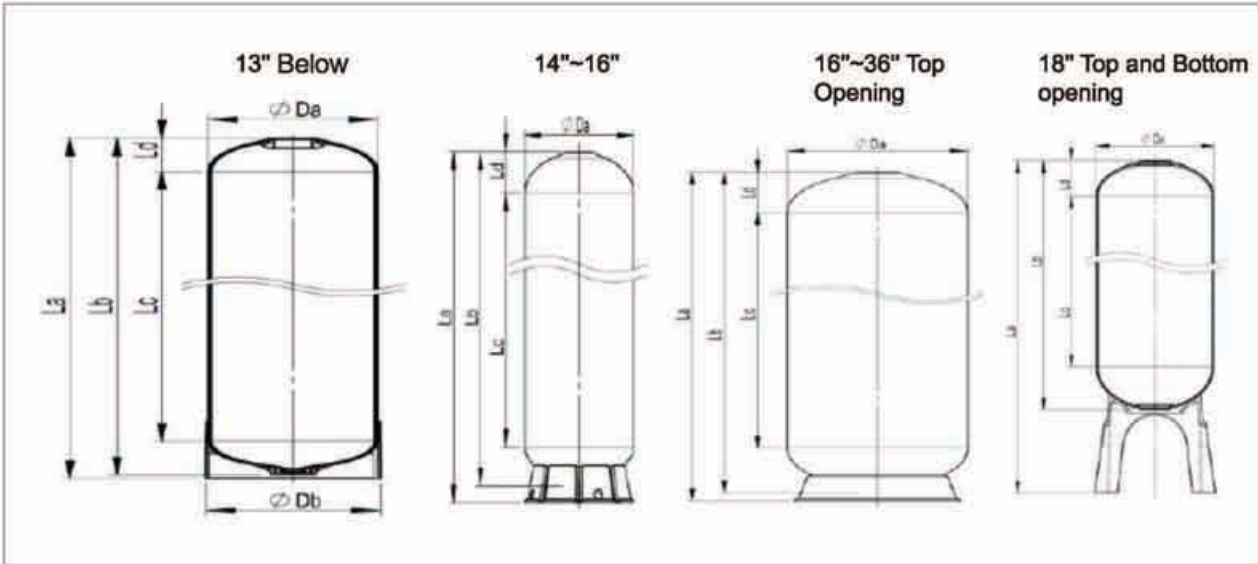
In fact the NSF standard does not cover performance in extreme environments. The Canature standard is 2 times higher compared to other manufacturers.

Specification sheet

No.	Size	Volume		Dome Volume		Weight (kg)		Opening		Base	Dimension mm					
		Inchs	L	Cu.ft.	L	Cu.ft.	W/O base	W Base	Top		Bottom	La	Lb	Lc	Ld	Da
1	05×17	3.81	0.13	0.15	0.005	1.13	1.2	2.5"-8-NPSM	N/A	Standard	424	424	364.3	21.1	122	128.5
2	05×20	4.5	0.16	0.15	0.005	1.38	1.45	2.5"-8-NPSM	N/A	Standard	515	515	455.3	21.1	122	128.5
3	06×13	4.6	0.16	0.29	0.010	1.11	1.27	2.5"-8-NPSM	N/A	Standard	336	331	240.9	39.2	155	164.5
4	06×17	6.3	0.22	0.29	0.010	1.38	1.54	2.5"-8-NPSM	N/A	Standard	437	432	341.9	39.2	155	164.5
5	06×18	6.8	0.24	0.29	0.010	1.51	1.67	2.5"-8-NPSM	N/A	Standard	463	458	367.9	39.2	155	164.5
6	06×22	8.5	0.3	0.29	0.010	1.9	2.06	2.5"-8-NPSM	N/A	Standard	567	562	471.9	39.2	155	164.5
7	06×35	14.1	0.5	0.29	0.010	2.77	2.93	2.5"-8-NPSM	N/A	Standard	896	891	800.9	39.2	155	164.5
8	07×13	6.3	0.22	0.59	0.020	1.2	1.47	2.5"-8-NPSM	N/A	Standard	335	331	217.1	47.5	181	190
9	07×17	8.5	0.3	0.59	0.020	1.45	1.72	2.5"-8-NPSM	N/A	Standard	437	432	318.1	47.5	181	190
10	07×19	9.72	0.34	0.59	0.020	1.85	2.12	2.5"-8-NPSM	N/A	Standard	488	484	370.1	47.5	182	190
11	07×22	11.43	0.4	0.59	0.020	2.2	2.47	2.5"-8-NPSM	N/A	Standard	566	562	448.1	47.5	182	190
12	07×30	15.8	0.56	0.59	0.020	2.4	2.67	2.5"-8-NPSM	N/A	Standard	768	763	649.1	47.5	182	190
13	07×35	19.1	0.67	0.59	0.020	2.68	2.95	2.5"-8-NPSM	N/A	Standard	896	891	777.1	47.5	181	190
14	07×44	24.3	0.86	0.59	0.020	3.4	3.67	2.5"-8-NPSM	N/A	Standard	1123	1118	1004.1	47.5	181	190
15	08×13	7.4	0.28	1.25	0.040	1.25	1.6	2.5"-8-NPSM	N/A	Standard	325	320	181.9	68.1	207	215
16	08×13D	8	0.28	0.92	0.030	1.7	2.05	2.5"-8-NPSM	2.5"-8-NPSM	N/A	N/A	331	220.5	55.3	207	N/A
17	08×15	9.3	0.33	0.87	0.030	1.48	1.83	2.5"-8-NPSM	N/A	Standard	385	381	256.1	54.4	207	215
18	08×17	10.5	0.37	0.87	0.030	1.95	2.3	2.5"-8-NPSM	N/A	Standard	437	432	307.1	54.4	207	215
19	08×18	11.5	0.41	0.87	0.030	2.2	2.55	2.5"-8-NPSM	N/A	Standard	462	458	333.1	54.4	207	215
20	08×22	14.4	0.51	0.87	0.030	2.6	2.95	2.5"-8-NPSM	N/A	Standard	555	550	425.1	54.4	207	215
21	08×24	16.6	0.59	0.87	0.030	2.59	2.94	2.5"-8-NPSM	N/A	Standard	615	610	485.1	54.4	207	215
22	08×26	18.1	0.64	0.87	0.030	2.8	3.15	2.5"-8-NPSM	N/A	Standard	665	661	536.1	54.4	207	215
23	08×30	21	0.74	0.87	0.030	3.3	3.65	2.5"-8-NPSM	N/A	Standard	770	765	640.1	54.4	207	215
24	08×35	23.6	0.83	0.87	0.030	3.7	4.05	2.5"-8-NPSM	N/A	Standard	897	891	766.1	54.4	207	215
25	08×37	26.5	0.94	0.87	0.030	3.8	4.15	2.5"-8-NPSM	N/A	Standard	946	940	815.1	54.4	207	215
26	08×40	28.89	1.02	0.87	0.030	4.0	4.15	2.5"-8-NPSM	N/A	Standard	1022	1016	891.1	54.4	207	215
27	08×44	31.3	1.11	0.87	0.030	4.1	4.45	2.5"-8-NPSM	N/A	Standard	1122	1118	993.1	54.4	207	215
28	09×13	9.8	0.35	1.29	0.045	1.65	2.21	2.5"-8-NPSM	N/A	Standard	336	331	189.7	60.6	232	242
29	09×15	11.8	0.42	1.29	0.045	1.89	2.45	2.5"-8-NPSM	N/A	Standard	388	381	241.3	61.3	232	242
30	09×17	14	0.49	1.29	0.045	2.2	2.76	2.5"-8-NPSM	N/A	Standard	439	432	292.3	61.3	232	242
31	09×18	14.8	0.52	1.29	0.045	2.4	2.96	2.5"-8-NPSM	N/A	Standard	465	458	318.3	61.3	232	242
32	09×24	20.5	0.72	1.29	0.045	3.2	3.76	2.5"-8-NPSM	N/A	Standard	615	610	469.5	61.7	232	242
33	09×26	22.4	0.79	1.29	0.045	3.43	3.99	2.5"-8-NPSM	N/A	Standard	665	660	519.5	61.7	232	242
34	09×30	26.3	0.93	1.29	0.045	3.94	4.5	2.5"-8-NPSM	N/A	Standard	770	765	624.5	61.7	232	242
35	09×35	31.6	1.12	1.29	0.045	4.1	4.66	2.5"-8-NPSM	N/A	Standard	898	891	745.4	61.7	232	242
36	09×40	36.54	1.29	1.29	0.045	4.47	5.03	2.5"-8-NPSM	N/A	Standard	1022	1016	870.4	61.7	232	242
37	09×42	38.5	1.36	1.29	0.045	4.62	5.18	2.5"-8-NPSM	N/A	Standard	1074	1067	921.4	61.7	232	242
38	09×48	44.6	1.58	1.29	0.045	5.3	5.86	2.5"-8-NPSM	N/A	Standard	1228	1221	1075.4	61.7	232	242
39	10×13	12.1	0.43	1.80	0.060	1.5	2.09	2.5"-8-NPSM	N/A	Standard	336	331	171.7	69.1	258	268
40	10×15	14	0.49	1.80	0.060	1.98	2.57	2.5"-8-NPSM	N/A	Standard	384	381	229	69.1	258	268
41	10×17	16.5	0.58	1.80	0.060	2.45	3.04	2.5"-8-NPSM	N/A	Standard	434	431	279	69.1	258	268
42	10×17D	17	0.6	1.80	0.060	2.78	N/A	2.5"-8-NPSM	2.5"-8-NPSM	N/A	N/A	432	294.4	68.1	258	N/A
43	10×18	18.3	0.65	1.80	0.060			2.5"-8-NPSM	N/A	Standard	458	453	306	69.1	258	268
44	10×19	19.5	0.69	1.80	0.060			2.5"-8-NPSM	N/A	Standard	484	479	332	69.1	258	268
45	10×24	24.8	0.88	1.80	0.060	3.3	3.89	2.5"-8-NPSM	N/A	Standard	609	606	454	69.1	258	268
46	10×26	27.33	0.97	1.80	0.060	3.49	4.08	2.5"-8-NPSM	N/A	Standard	664	661	509	69.1	258	268
47	10×30	32.28	1.14	1.80	0.060	4.1	4.69	2.5"-8-NPSM	N/A	Standard	765	763	611	69.1	258	268
48	10×35	38.3	1.35	1.80	0.060	4.34	4.93	2.5"-8-NPSM	N/A	Standard	893	891	739	69.1	258	268
49	10×35D	38.3	1.35	2.20	0.078	4.3	N/A	2.5"-8-NPSM	2.5"-8-NPSM	N/A	N/A	891	729.3	80.7	258	N/A
50	10×35	38.3	1.35	1.80	0.060	4.34	4.93	2.5"-8-NPSM	1-1/4"-11.5NPSM	Standard	893	891	739	69.1	258	268
51	10×40	44.65	1.58	1.80	0.060	5.05	5.64	2.5"-8-NPSM	N/A	Standard	1022	1020	868	69.1	258	268
52	10×44	48.8	1.72	1.80	0.060	5.6	6.19	2.5"-8-NPSM	N/A	Standard	1121	1118	966	69.1	258	268
53	10×44	48.8	1.72	1.80	0.060	5.6	6.19	2.5"-8-NPSM	1-1/4"-11.5NPSM	Standard	1121	1118	966	69.1	258	268
54	10×47	53.2	1.88	1.80	0.060	5.95	6.54	2.5"-8-NPSM	N/A	Standard	1198	1195	1043	69.1	258	268
55	10×47	53.2	1.88	1.80	0.060	5.95	6.54	2.5"-8-NPSM	1-1/4"-11.5NPSM	Standard	1198	1195	1043	69.1	258	268
56	10×54	61	2.16	1.80	0.060	7.1	7.69	2.5"-8-NPSM	N/A	Standard	1381	1378	1226	69.1	258	268
57	10×54	61	2.16	1.80	0.060	7.1	7.69	2.5"-8-NPSM	1-1/4"-11.5NPSM	Standard	1381	1378	1226	69.1	258	268
58	11×35	46.7	1.65	2.49	0.088	4.95	5.77	2.5"-8-NPSM	N/A	Standard	903	891	725.1	69.1	282.5	295
59	11×44	59.8	2.11	2.49	0.088	6.06	6.88	2.5"-8-NPSM	N/A	Standard	1130	1118	952.1	75.7	282.5	295
60	12×17	23.6	0.83	3.44	0.120	2.88	3.92	2.5"-8-NPSM	N/A	Standard	448	434	249.4	86.6	307	315
61	12×17	23.6	0.83	3.19	0.110	2.97	4.04	4"-8-UN	N/A	Standard	448	432	249.4	84.1	307	315
62	12×48	78.54	2.78	4.00	0.141	7.05	8.05	2.5"-8-NPSM	N/A	Standard	1233	1219	1121.7	98.6	307	315
63	12×48	78.54	2.78	3.95	0.139	7.05	8.05	3.25"-BUTT	N/A	Standard	1233	1218	1021.7	97.3	306	315
64	12×48	78.54	2.78	3.82	0.135	7.05	8.05	4"-8-UN	N/A	Standard	1233	1219	1027	93.3	307	315
65	12×48	78.54	2.78	4.00	0.141	7.05	8.05	2.5"-8-NPSM	1-1/4"-11.5NPSM	Standard	1233	1219	1121.7	98.6	307	315
66	12×52	84.7	2.99	4.00	0.141	7.59	8.63	2.5"-8-NPSM	N/A	Standard	1338	1324	1126.7	98.6	307	315
67	12×52	84.7	2.99	3.95	0.139	7.59	8.63	3.25"-BUTT	N/A	Standard	1338	1323	1126.7	97.3	306	315

Specification sheet

No.	Size	Volume		Dome Volume		Weight (kg)		Opening		Base	Dimension mm					
		Inchs	L	Cu.ft.	L	Cu.ft.	W/O base	W Base	Top		Bottom	La	Lb	Lc	Ld	Da
68	12×52	84.7	2.99	3.82	0.135	7.59	8.63	4"-8-UN	N/A	std.	1338	1324	1026.95	93.3	307	315
69	12×52	84.7	2.99	4.00	0.141	7.59	8.63	2.5"-8-NPSM	1-1/4"-11.5NPSM	std.	1338	1324	1126.65	98.6	307	315
70	13×24	42.03	1.49	5.27	0.186	3.87	4.91	2.5"-8-NPSM	N/A	std.		614	399.6	107.7	335	349
71	13×24	41.1	1.45	5.13	0.181	3.97	5.01	4"-8-UN	N/A	std.		610	399.5	103.9	335	349
72	13×44	84.8	3	4.20	0.148	7.2	8.28	2.5"-8-NPSM	N/A	std.	1145	1131	936.4	88.3	335	349
73	13×44	84.8	3	4.05	0.143	7.2	8.28	4"-8-UN	N/A	std.	1145	1131	941.0	86.3	335	349
74	13×44	84.8	3	4.20	0.148	7.2	8.28	2.5"-8-NPSM	1-1/4"-11.5NPSM	std.	1145	1131	936.4	88.3	335	349
75	13×54	105.7	3.73	4.20	0.148	9.52	10.6	2.5"-8-NPSM	N/A	std.	1398	1384	1189.4	88.3	335	349
76	13×54	105.7	3.73	4.05	0.143	9.52	10.6	4"-8-UN	N/A	std.	1398	1384	1194.0	86.3	335	349
77	13×54	105.7	3.73	4.20	0.148	9.52	10.6	2.5"-8-NPSM	1-1/4"-11.5NPSM	std.	1398	1384	1189.4	88.3	335	349
78	14×52	115	4.06	6.71	0.237	10.08	10.9	2.5"-8-NPSM	N/A	std.	1344	1294	1068.0	117.5	366	/
79	14×52	115	4.06	6.57	0.232	10.08	10.9	4"-8-UN	N/A	std.	1344	1294	1070.5	115.0	366	/
80	14×52	115	4.06	6.71	0.237	10.08	10.9	2.5"-8-NPSM	1-1/4"-11.5NPSM	std.	1344	1294	1068.0	117.5	366	/
81	14×65	148	5.23	6.71	0.237	13.98	14.8	2.5"-8-NPSM	N/A	std.	1674	1624	1398.0	117.5	366	/
82	14×65	148	5.23	6.57	0.232	13.98	14.8	4"-8-UN	N/A	std.	1674	1624	1400.5	115.0	366	/
83	14×65	148	5.23	6.71	0.237	13.98	14.8	2.5"-8-NPSM	1-1/4"-11.5NPSM	std.	1674	1624	1398.0	117.5	366	/
84	16×24	56.98	2.01	9.19	0.324	/	6.67	2.5"-8-NPSM	N/A	std.	624	572	293.4	127.1	411	/
85	16×24	56.98	2.01	9.19	0.324	/	6.67	4"-8-UN	N/A	std.	625	573	311.3	119.5	411	/
86	16×36	98.1	3.47	9.19	0.324	/	11.32	2.5"-8-NPSM	N/A	std.	968	918	639.4	127.1	411	/
87	16×36	98.1	3.47	9.19	0.324	/	11.32	4"-8-UN	N/A	std.	970	920	658.3	119.5	411	/
88	16×44	131.6	4.65	9.19	0.324	/	13.5	2.5"-8-NPSM	N/A	std.	1240	1192	913.4	127.1	411	/
89	16×44	131.6	4.65	9.19	0.324	/	13.5	4"-8-UN	N/A	std.	1240	1190	928.3	119.5	411	/
90	16×52	148.3	5.24	9.19	0.324	/	16.42	2.5"-8-NPSM	N/A	std.	1377	1327	1048.4	127.1	411	/
91	16×52	148.3	5.24	9.19	0.324	/	16.42	4"-8-UN	N/A	std.	1375	1325	1063.3	119.5	411	/
92	16×52D	148.3	5.24	9.19	0.324	/	18.48	4"-8-UN	4"-8-UN	std.	1531	1306	1057.7	119.5	411	/
93	16×65	188.6	6.66	9.19	0.324	/	19.47	2.5"-8-NPSM	N/A	std.	1706	1656	1386.37	127.1	411	/
94	16×65D	188.6	6.66	9.19	0.324	/	19.47	2.5"-8-NPSM	2.5"-8-NPSM	std.	1862	1638	1385.17	127.1	411	/
95	16×65	188.6	6.66	9.19	0.324	/	19.47	4"-8-UN	N/A	std.	1705	1655	1393.25	119.5	411	/
96	16×65D	188.6	6.66	9.19	0.324	/	23.1	4"-8-UN	4"-8-UN	std.	1861	1636	1387.68	119.5	411	/
97	16×65	188.6	6.66	9.19	0.324	/	21.75	4"-8-UN	N/A	FRP St	1671	1655	1393.25	119.5	411	/
98	16×65	188.6	6.66	9.19	0.324	/	19.47	2.5"-8-NPSM	1-1/4"-11.5NPSM	std.	1706	1656	1386.37	127.1	411	/
99	18×36	138	4.88	16.69	0.589	/	19.4	4"-8-UN	N/A	FRP St	1000	939	593	156.1	491	/
100	18×53	211	7.46	16.69	0.589	/	24.8	4"-8-UN	N/A	FRP St	1432	1371	1025	156.1	491	/
101	18×65	257	9.08	16.69	0.589	/	28.1	4"-8-UN	N/A	FRP St	1722	1661	1315	156.1	491	/
102	18×65D	257	9.08	16.69	0.589	/	33	4"-8-UN	4"-8-UN	tripod	2027	1661	1314.57	156.1	491	/
103	21×36	164	5.8	24.56	0.867	/	23.5	4"-8-UN	N/A	FRP St	1002	956	595	176.6	555	/
104	21×53	253	8.94	24.56	0.867	/	30.1	4"-8-UN	N/A	FRP St	1434	1388	1027	176.6	555	/
105	21×62	330	11.7	24.56	0.867	/	32.8	4"-8-UN	N/A	FRP St	1721	1675	1314	176.6	555	/
106	21×62D	330	11.7	24.56	0.867	/	40	4"-8-UN	4"-8-UN	tripod	2064	1676	1314	176.6	555	/
107	24×38	216	7.63	34.95	1.234	/	22	4"-8-UN	N/A	FRP St	1036	995	568.0	204.5	624	/
108	24×38D	216	7.63	34.95	1.234	/	22	4"-8-UN	4"-8-UN	FRP St	1036	977	568.0	204.5	624	/
109	24×72	494	17.5	33.04	1.167	/	44.1	4"-8-UN	N/A	FRP St	1918	1875	1482.5	193.2	611	/
110	24×72D	494	17.5	33.04	1.167	/	48	4"-8-UN	4"-8-UN	tripod	2168	1872	1516.37	193.2	611	/
111	30×72	720	25.4	74.44	2.629	/	79.5	4"-8-UN	4"-8-UN	tripod	2140	1802	1269.94	249.1	781	/
112	30×72	717	25.3	74.65	2.636	/	/	6-FLG	N/A	FRP St	1895	1883	1265.49	318.3	781	/
113	30×72	717	25.3	74.65	2.636	/	70	6-FLG	6-FLG	tripod	2200	1918	1265.43	318.3	781	/
114	36×72	1023	36.1	116.80	4.125	/	100.5	4"-8-UN	4"-8-UN	tripod	2150	1820	1407.7	290.7	932	/
115	36×72	1023	36.1	127.78	4.513	/	/	6-FLG	N/A	FRP St	1920	1883	1181	369.9	932	/
116	36×72	1023	36.1	127.78	4.513	/	87	6-FLG	6-FLG	tripod	2210	1938	1181.3	369.9	932	/
117	42×72	1530	54.1	196.77	6.949	/	/	6-FLG	6-FLG	tripod	2395	2105	1106.7	416.9	1090	/
118	48×72	1950	68.9	292.95	10.345	/	/	6-FLG	6-FLG	tripod	2400	2110	1004.5	469.8	1235	/
119	58×72	2750	97.2	541.47	19.122	/	/	6-FLG	6-FLG	tripod	2400	2100	981.0	559.5	1500	/
120	63×67	2365	83.6	663.68	23.438	/	/	6-FLG	6-FLG	tripod	2025	1715	572.3	586.4	1608	/
121	63×86	3250	115	663.68	23.438	/	/	6-FLG	6-FLG	tripod	2475	2165	1022.3	586.4	1608	/

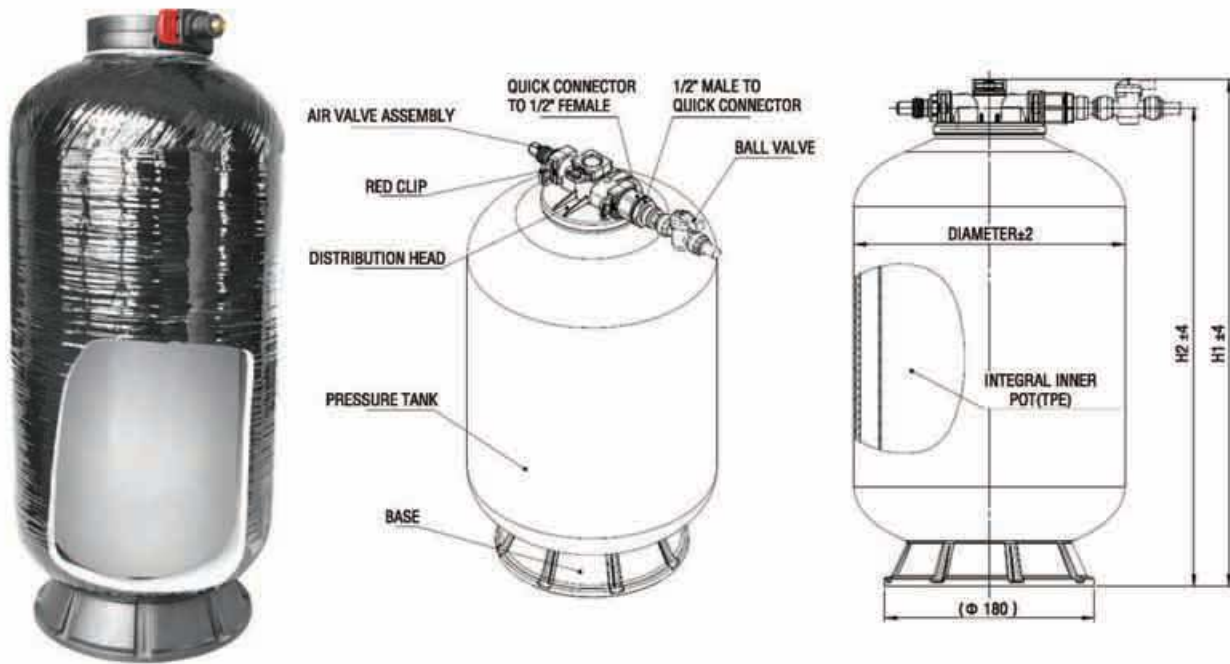


Dome Hole Tank



Available in size 1054 and 1252 tank at the moment.

Pressure Storage Tank



Canature Pressure Storage Tank use Food-Grade TPE material as storage inner pot; pressure tank as the cabinet, water store in the inner pot can keep clean and safety. This unique design with below characterizes:

1) Functions

1. Use pressure tank as the storage tank cabinet.
 - A. Can enhance the operation pressure of the storage tank, max working pressure comes up to 10 bars, ordinary storage tank can only reach to 6 bars.
 - B. The pressure tank liner is made from HDPE material, one-piece shaped, no sew, safe and out of corrosion.
2. Integral inner pot
 - A. Using the seamless molding technology, improve the safety level.
 - B. The inner pot is detachable, washable, replaceable.
 - C. The inner pot is made from TPE(thermoplastic elastomer), it has excellent resiliency and the material is recyclable.
3. The distribution head is made from reinforced PP material, meet NSF safety requirement.
4. Time saving quick connectors, a variety of connectors to meet the installation requirements.
5. Time saving air valve assembly, there is no need to throw away the whole pressure storage tank when replace the air valve.
6. The pressure storage tank with plastic base present nice appearance, with the function of corrosion and impact resistance.

Application :

According to the different sizes, the pressure storage tank can be used for commercial, residential and some special places.

- 1.Can be taken as the part of RO system, size from 1 gallon –10 gallon
- 2.Can be taken as the part of water pump, water storage and vibration absorption.
- 3.Can install built-in filter media to be drinking system, can be an end-using water filter.
- 4.Can be a cartridge; install built-in filter media used in multi-function water system.

Model	08 × 15	09 × 15	10 × 15	08 × 17	09 × 17	10 × 17	12 × 17
FRP Tank	0815	0915	1015	0817	0917	1017	1217
Inner pot model	08 × 15			08 × 17			
Working pressure (bars)	2.0–10.0						
Working temperature (°C)	1–49 C						
Pre-charge pressure (bars)	1.0						
Storage volume (L) 4.0Bars work pressure	5.6	7	8.4	6.5	8	10	13.6
Weight (without water) (Kgs)	2.5	2.7	3.1	2.6	3	3.4	4.4
Inlet and outlet size	G 1/2 (Male) , G 1/2 (Female) , G3/8 (Male)						
Dimension (mm) (Diameter × height)	Φ207 × 487	Φ232 × 487	Φ258 × 487	Φ207 × 538	Φ232 × 538	Φ258 × 538	Φ307 × 538
Color	Natural, Black and Blue						

Notes: Above storage volume will be different according to different inlet water pressure.



Size	Part No.	Material	Description
1054	06000004	Stainless Steel	Round Jacket
1044	06000014	Stainless Steel	Round Jacket
1035	06000015	Stainless Steel	Round Jacket
1017	06000016	Stainless Steel	Round Jacket
0844	06000017	Stainless Steel	Round Jacket



Size	Part No.	Material	Description	Color
1054	07000002	HDPE	Round Jacket	Gray
1054	07000037	HDPE	Square	Gray
1044	07000003	HDPE	Round Jacket	Gray
1044	07000074	HDPE	Square	Gray
1035	07000025	HDPE	Round Jacket	Gray
1017	07000015	HDPE	Round Jacket	Gray
1054	07000129	HDPE	Round Jacket	White
0942	07000116B	HDPE	Round Jacket	White



Part No.	Material	Description
07020003	ABS	Cap for 10" round Plastic jacket
07020004	ABS	cap for 10" round Stainless steel jacket
07020005	ABS	cap for 10" square plastic jacket
07020014	ABS	cap for 08" Stainless steel jacket
07020009	ABS	cap for 10" Stainless steel jacket
07020011	ABS	cap for 08" Stainless steel jacket



Part No.	Material	Description
07040001	Plastic	bottom cover for 10" stainless steel jacket
07040002	Plastic	bottom cover for 10" plastic jacket



Size	Part No.	Material	Description
1.05"	07060009	ABS	Top distributor



Size	Part No.	Material	Description
1.05"	02170012	ABS	Bottom collector



Size	Part No.	Material	Description
65"	02030027	ABS	Central Tube with collector
54"	02030026	ABS	Central Tube with collector
48"	02030025	ABS	Central Tube with collector
44"	02030024	ABS	Central Tube with collector
35"	02030016	ABS	Central Tube with collector
17"	02030018	ABS	Central Tube with collector





FRESH IDEAS FOR YOUR HOME

Water Softeners

A green square containing a white capital letter 'E'.

Canature designs, tools and manufactures over 13 series, more than 60 different models of water softener cabinets. Each cabinet has its unique characteristic to meet various demands on style, specification and price etc.

Water Softeners

New

CS12H

Canature CS12H cabinet is one of the most advanced existing Cabinets, which designed by Spanish Designer, Unique Design, split salt tank, control valves well protected against of salt corrosion, match with Canature BNT-85SE series control valves to be a high-end softener, can bring more advantages than traditional softeners.



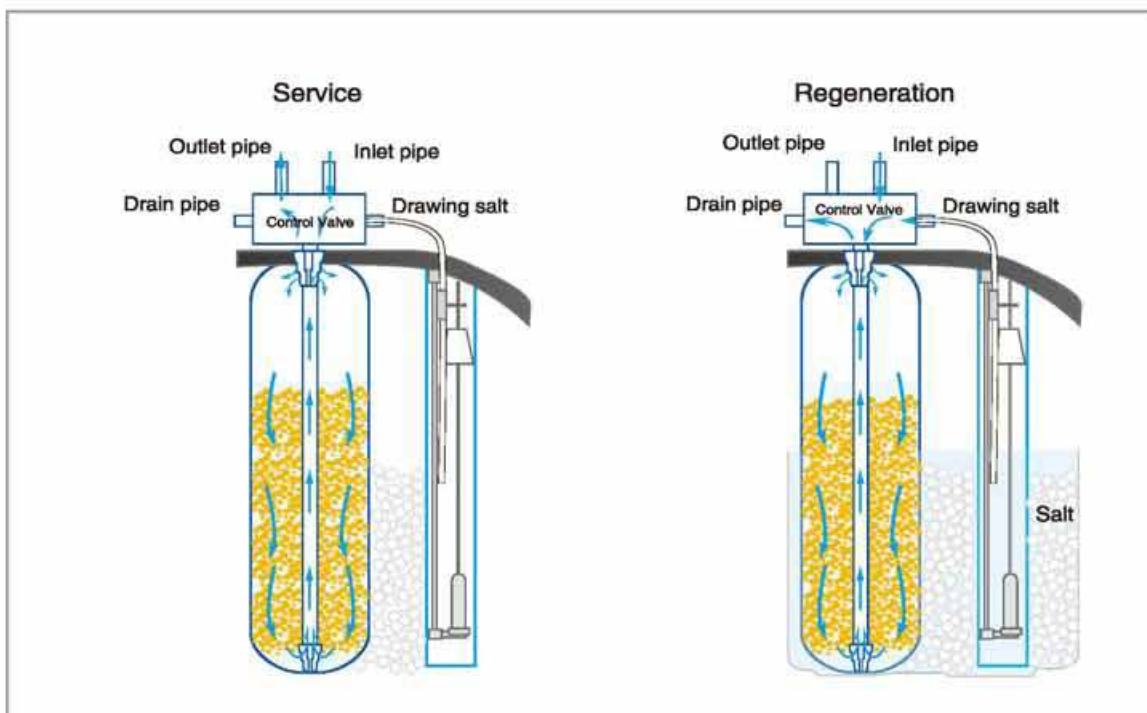
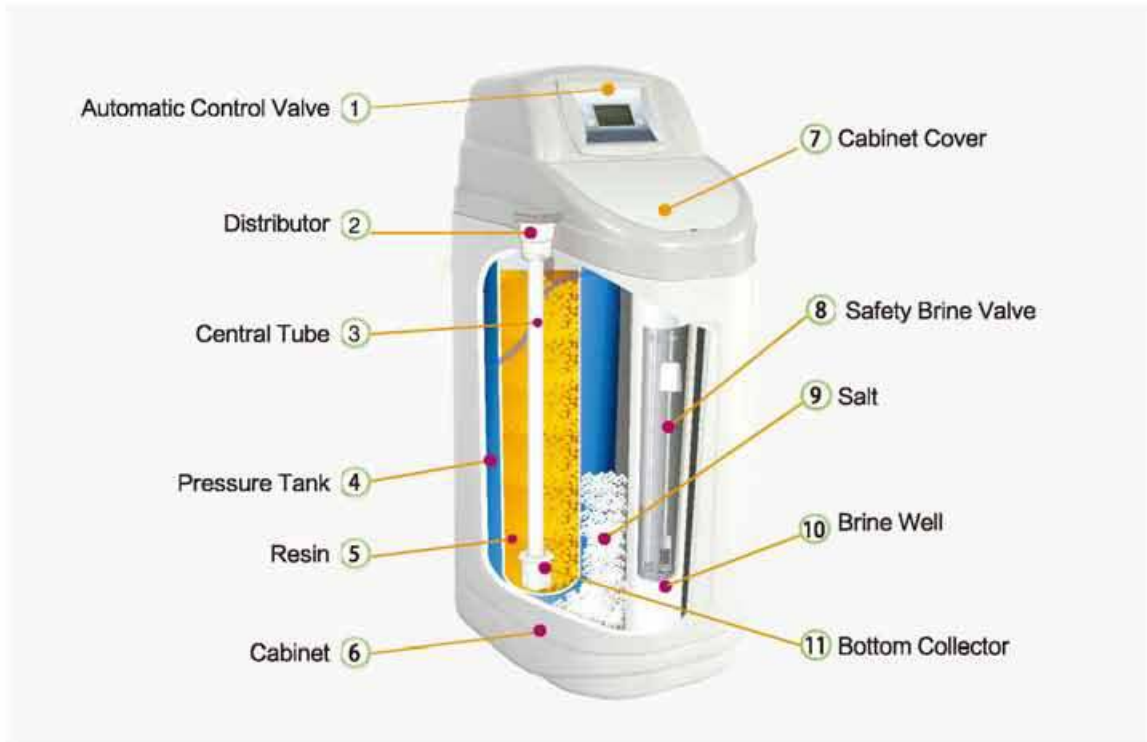
New

CS13H

The product uses the symmetrical design language and the reasonable function layout builds a graceful attractive appearance. This wholehouse water softener will break through the traditional attention scope of ergonomics and it will provide water treatment products for brand-new design thought.



Water Softeners Exposition Diagram



Design Features



Optimized cabinet construction, Better outlook, Less deforming.

1



Low cover, High cover, Slide cover, Satisfy the fastidious preference.

2



With Quick Connect, Easy & Fast to install.

3



Manifest Display, Friendly Setting.

4



Localization language, Comfortable to consumer.

5



High grade raw material, More healthy, More enduring.

6

Water Softeners

Model	CS1L 1035	CS1H 1035
Dimension(W*D*H)	350*600*1100 (mm)	350*600*1100 (mm)
Packing Size(W*D*H)	396*640*1180 (mm)	396*640*1180 (mm)
Container Capacity (20'GP/40'GP/40'HQ)	105ctns/210ctns/210ctns	



CS1 1035 / CS1H 1035

Model	CS2L 1035	CS2H 1035
Dimension(W*D*H)	350*600*1100 (mm)	350*600*1100 (mm)
Packing Size(W*D*H)	396*640*1180 (mm)	396*640*1180 (mm)
Container Capacity (20'GP/40'GP/40'HQ)	105ctns/210ctns/210ctns	



CS2L 1035 / CS2 H 1035

Model	CS3L 1017+cover	CS3L 1035+cover	CS3L 1044+cover
Dimension(W*D*H)	334*570*660 (mm)	330*570*1120 (mm)	334*570*1350 (mm)
Packing Size(W*D*H)	376*610*750 (mm)	376*610*1180 (mm)	376*610*1400 (mm)
Container Capacity (20'GP/40'GP/40'HQ)	171ctns/342ctns/342ctns	114ctns/228ctns/228ctns	57ctns/114ctns/114ctns



CS3L 1017 / 1035 / 1044+ Cover

Model	CS3H 1017	CS3H 1035	CS3H 1044
Dimension(W*D*H)	334*570*660 (mm)	334*570*1120 (mm)	334*570*1350 (mm)
Packing Size(W*D*H)	376*610*750 (mm)	376*610*1180 (mm)	376*610*1400 (mm)
Container Capacity (20'GP/40'GP/40'HQ)	171ctns/342ctns/342ctns	114ctns/228ctns/228ctns	57ctns/114ctns/114ctns



CS3H 1017 / 1035 / 1044

Water Softeners

Model	CS4L 0817	CS4L 0835	CS4L 0844
Dimension(W*D*H)	225*440*640 (mm)	225*440*1110 (mm)	225*440*1330 (mm)
Packing Size(W*D*H)	266*520*750 (mm)	266*520*1180 (mm)	266*520*1340 (mm)
Container Capacity <small>(20'GP/40'GP/40'HQ)</small>	270ctns/540ctns/540ctns	176ctns/352ctns/360ctns	90ctns/180ctns/180ctns



Model	CS4H 0817 (slide cover)	CS4H 0835 (slide cover)	CS4H 0844 (slide cover)
Dimension(W*D*H)	225*440*640 (mm)	225*440*1110 (mm)	225*440*1330 (mm)
Packing Size(W*D*H)	266*520*750 (mm)	266*520*1180 (mm)	266*520*1400 (mm)
Container Capacity <small>(20'GP/40'GP/40'HQ)</small>	270ctns/540ctns/540ctns	176ctns/352ctns/360ctns	90ctns/180ctns/180ctns



Model	CS4H 0817	CS4H 0835	CS4H 0844
Dimension(W*D*H)	225*440*640 (mm)	225*440*1110 (mm)	225*440*1330 (mm)
Packing Size(W*D*H)	266*520*750 (mm)	266*520*1180 (mm)	266*520*1400 (mm)
Container Capacity <small>(20'GP/40'GP/40'HQ)</small>	270ctns/540ctns/540ctns	176ctns/352ctns/360ctns	90ctns/180ctns/180ctns



Model	CS4H- II 0817	CS4H- II 0835	CS4H- II 0844
Dimension(W*D*H)	225*440*640 (mm)	225*440*1110 (mm)	225*440*1330 (mm)
Packing Size(W*D*H)	266*520*750 (mm)	266*520*1180 (mm)	266*520*1400 (mm)
Container Capacity <small>(20'GP/40'GP/40'HQ)</small>	270ctns/540ctns/540ctns	176ctns/352ctns/360ctns	90ctns/180ctns/180ctns



Water Softeners

Model	CS5H 1035/CS5H-MO 1035	CS5H-MO 1017
Dimension(W*D*H)	420*490*1100 (mm)	420*490*640 (mm)
Packing Size(W*D*H)	456*590*1180 (mm)	456*590*700 (mm)
Container Capacity (20°C/PM03PM01HQ)	100ctns/200ctns/200ctns	150ctns/300ctns/300ctns



CS5H 1035 / CS5H-MO 1035 / CS5H-MO 1017

Model	CS6L 1017	CS6L 1026	CS6L 1035
Dimension(W*D*H)	330*470*660 (mm)	330*470*870 (mm)	330*470*1100 (mm)
Packing Size(W*D*H)	376*520*750 (mm)	376*520*957 (mm)	376*520*1180 (mm)
Container Capacity (20°C/PM03PM01HQ)	206ctns/411ctns/411ctns	170ctns/350ctns/350ctns	138ctns/276ctns/276ctns



CS6L 1017 / 1026 / 1035

Model	CS6H 1017	CS6H 1026	CS6H 1035
Dimension(W*D*H)	330*470*660 (mm)	330*470*900 (mm)	330*470*1100 (mm)
Packing Size(W*D*H)	376*520*750 (mm)	376*520*957 (mm)	376*520*1180 (mm)
Container Capacity (20°C/PM03PM01HQ)	206ctns/411ctns/411ctns	170ctns/350ctns/350ctns	138ctns/276ctns/276ctns



CS6H 1017/1026/1035

Model	CS6H 1017 (slide cover)	CS6H 1026 (slide cover)	CS6H 1035 (slide cover)
Dimension(W*D*H)	333*505*575 (mm)	333*505*810 (mm)	333*505*1034 (mm)
Packing Size(W*D*H)	376*520*750 (mm)	376*520*957 (mm)	376*520*1180 (mm)
Container Capacity (20°C/PM03PM01HQ)	206ctns/411ctns/411ctns	170ctns/350ctns/350ctns	138ctns/276ctns/276ctns



CS6H 1017 / 1026 / 1035 (Slide cover)

Water Softeners

Model	CS7H 1017	CS7H 1026	CS7H 1035
Dimension(W*D*H)	330*470*660 (mm)	330*470*900 (mm)	330*470*1100 (mm)
Packing Size(W*D*H)	376*520*750 (mm)	376*520*957 (mm)	376*520*1180 (mm)
Container Capacity <small>(20°C/140°F/40%RH)</small>	206ctns/411ctns/411ctns	170ctns/350ctns/350ctns	138ctns/276ctns/276ctns



CS7H 1017 / 1026 / H1035

Model	CS8L 0713	CS8L 0722	CS8L 0735
Dimension(W*D*H)	200*360*490 (mm)	200*360*700 (mm)	200*360*1060 (mm)
Packing Size(W*D*H)	236*440*606 (mm)	236*440*757 (mm)	236*440*1070 (mm)
Container Capacity <small>(20°C/140°F/40%RH)</small>	396ctns/792ctns/936ctns	355ctns/650ctns/905ctns	250ctns/500ctns/500ctns



CS8L 0713 / 0722 / 0735

Model	CS8H 0713 (slide cover)	CS8H 0722 (slide cover)	CS8H 0735 (slide cover)
Dimension(W*D*H)	200*360*490 (mm)	200*360*700 (mm)	200*360*1060 (mm)
Packing Size(W*D*H)	236*435*606 (mm)	230*435*757 (mm)	230*435*1070 (mm)
Container Capacity <small>(20°C/140°F/40%RH)</small>	396ctns/792ctns/936ctns	320ctns/660ctns/792ctns	250ctns/500ctns/500ctns



CS8H 0713 / 0722 / 0735 (Slide cover)

Model	CS8H-Plus 0815	CS8H-Plus 0824	CS8H-Plus 0835
Dimension(W*D*H)	240*420*546 (mm)	240*420*775 (mm)	240*420*1056 (mm)
Packing Size(W*D*H)	280*505*606 (mm)	280*505*835 (mm)	280*505*1120 (mm)
Salt storage capacity	3.0kgs	5.7kgs	9.6kgs



CS8Plus 0815/0824/0835

Water Softeners

Model	CS9H 0815	CS9H 0835 (0935/1035/1135)	CS9H 0844 (1044/1144)
Dimension(W*D*H)	310*360*570 (mm)	310*360*1100 (mm)	310*360*1330 (mm)
Packing Size(W*D*H)	350*410*590 (mm)	350*410*1170 (mm)	350*410*1350 (mm)
Container Capacity (20°GP/40°GP/40°HQ)	346ctns/692ctns/692ctns	183ctns/366ctns/366ctns	92ctns/184ctns/184ctns



Model	CS10H 1017 (slide cover)	CS10H 1035 (slide cover) CS10H 1035+Clear Cover CS10H 1035 (Split style)
Dimension(W*D*H)	350*500*660 (mm)	350*500*1110 (mm)
Packing Size(W*D*H)	360*545*750 (mm)	360*545*1180 (mm)
Container Capacity (20°GP/40°GP/40°HQ)	203ctns/420ctns/420ctns	130ctns/265ctns/265ctns



Model	CS11H 1026	CS11H 1035
Dimension(W*D*H)	350*512*870 (mm)	350*512*1100 (mm)
Packing Size(W*D*H)	370*565*910(mm)	370*565*1150 (mm)
Container Capacity (20°GP/40°GP/40°HQ)	124ctns/252ctns/252ctns	



Model	CS12H 0926	CS12H 0935
Dimension(W*D*H)	335*516*901 (mm)	335*516*1132 (mm)
Packing Size(W*D*H)	355*565*990 (mm)	355*565*1210 (mm)
Container Capacity (20°GP/40°GP/40°HQ)	132ctns/264ctns	66ctns/264ctns



Water Softeners

Model	CS13H 1017	CS13H 1035
Dimension(W*D*H)	300*512*650(mm)	300*512*1109(mm)
Packing Size(W*D*H)	340*600*720(mm)	340*600*1180(mm)
Salt storage capacity	15Kg	45Kg



Model	Duplex Softener (1054 tank+BTS-100L)
Dimension(W*D*H)	280*380*1610+425*390*900 (mm)
Packing Size(W*D*H)	346*435*1660+445*410*920 (mm)
Container Capacity (20°C/PM40/GPM40/HQ)	81ctns/162ctns/162ctns



Model	Duplex Softener (1054 tank+BTR-100L)
Dimension(W*D*H)	280*380*1610+425*390*900 (mm)
Packing Size(W*D*H)	346*435*1660+445*410*920 (mm)
Container Capacity (20°C/PM40/GPM40/HQ)	81ctns/162ctns/162ctns



One Step Regeneration Shower Softener



Model	CN-07-05
Dimension(W*D*H)	220*360*490 (mm)
Packing Size(W*D*H)	230*440*606 (mm)
Inlet & Out size	1/2 inch
Container Capacity (20°C/PM40/GPM40/HQ)	396ctns/792ctns/936ctns

- No Electricity required
- One step only to complete entire regeneration process
- Maximum working water temperature: 60°C
- Easy installation
- Slide cover for water proof

Choose Your Suitable Control Valves

 <p>BNT 65 Series</p>	<p>Optional Cabinets: CS1L/CS2L/CS3L/CS4L/CS4H CS8L/CS1L/CS2L CS10H High cover Duplex softener</p>	 <p>BNT 165 Series</p>	<p>Optional Cabinets: CS1L/CS2L/CS3L/CS3H/CS4L /CS4H/CS6L/CS8L/ CS10H High cover/ Duplex Softener</p>	 <p>BNT 265 Series</p>	<p>Optional Cabinets: CS1L/CS1H/CS2L/CS2H /CS3L/CS3H/CS4L/CS6L /CS7H/CS8L/CS9H/CS4H/ Duplex Softener</p>
 <p>BNT 365 Series</p>	<p>Optional Cabinets: CS1L/CS1L/CS2L/CS4L /CS6L/CS8L Duplex Softener</p>	 <p>BNT 465 Series</p>	<p>Optional Cabinets: CS1L/CS2L/CS4L/CS6L/CS8L/ Duplex Softener</p>	 <p>BNT 565 Series</p>	<p>Optional Cabinets: CS1L/CS2L/CS4L/CS6L/CS8L/ Duplex Softener</p>
 <p>BNT 665 Series</p>	<p>Optional Cabinets: CS1L/CS2L/CS4L/CS6L/CS8L/ Duplex Softener</p>	 <p>BNT 765 Series</p>	<p>Optional Cabinets: CS1L/CS2L/CS3L/CS4L /CS4H/CS6L/CS8L/ CS10H High cover/ Duplex Softener</p>	 <p>BNT 865 Series</p>	<p>Optional Cabinets: CS2H/CS3H/CS5H/CS6L /CS7H/CS9H/CS10H Slide cover</p>
 <p>BNT 75 Series</p>	<p>Optional Cabinets: CS1L/CS1H/CS2L/CS2H/CS3L /CS3H/CS4L/CS4H/CS5H/CS6L /CS6H/CS7H/CS8L/CS8H/CS9H CS10H High cover/ Duplex Softener</p>	 <p>BNT 175 Series</p>	<p>Optional Cabinets: CS1L/CS1H/CS2L/CS2H/CS3L /CS3H/CS4L/CS4H/CS6L/CS6H/ CS7H/CS8L/CS9H/Duplex Softener</p>	 <p>BNT275 Series</p>	<p>Optional Cabinets: CS1L/CS1H/CS2L/CS2H /CS3L/CS3H/CS4L/CS4H /CS6L/CS6H/CS7H/CS8L /CS9H/CS10H Slide cover/ Duplex Softener</p>
 <p>BNT 85 Series</p>	<p>Optional Cabinets: ALL</p>	 <p>BNT 85SE Series</p>	<p>Optional Cabinets: CS10H Slide cover CS12H</p>	 <p>BNT 185 Series</p>	<p>Optional Cabinets: CS1L/CS2L/CS3L/CS4H/CS6L CS8L/Duplex Softener</p>
 <p>BNT 485HE Series</p>	<p>Optional Cabinets: CS4H Slide cover/ CS5H/CS6H Slide cover/ CS8H Slide cover/ CS10H Slide cover/ CS11H/Duplex Softener</p>	 <p>BNT 585 SE BNT 585 HE</p>	<p>Optional Cabinets: CS1L/CS2L/CS3L/CS4H/CS6L/ CS8L/CS10H/Slide cover/CS10H High Cover/Duplex Softener</p>	 <p>BNT 95 Series</p>	<p>Optional Cabinets: CS1L1035/CS2L 1035/ CS6 L Series/Duplex Softener</p>

Pressure Tank	0713	0722	0735	0815	0817	0835	0844	0915	0935	1017	1026	1035	1044	1054	1135	1144
Central Tube Size	13"	22"	35"	15"	17"	35"	44"	15"	35"	17"	26"	35"	44"	54"	35"	44"
Brine Well Size	13"	22"	35"	15"	17"	35"	44"	15"	35"	17"	26"	35"	44"/35"	35"	35"	44"
Brine Valve Size	13"	22"	35"	15"	17"	35"	44"	15"	35"	17"	26"	35"	44"/35"	35"	35"	44"
Resin Volume(STD)	4.5L	11L	14.5L	6.5L	8L	18L	21L	8L	21L	12.5L	18L	25L	32L	40L or 50L	31L	40L



FRESH IDEAS FOR YOUR HOME

Water Filters



Canature water filter uses its patented technology to meet your requirement of large capacity, clean and healthy water, durable and stylish.

Water Filters Exposition Diagram



Automatic Control Valve

Jacket

Pressure Tank

KDF55C(Patented Media)

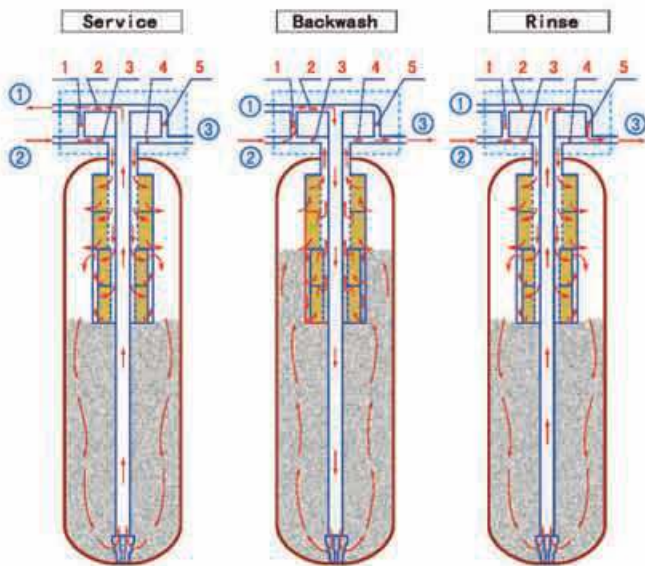
High-tech materials, high purity copper and zinc alloy, through the electrochemical reaction, effectively remove chlorine, heavy metals, sediment, rust, inhibit bacteria and algae material, reducing mineral structure.

Activated Carbon

Absorption capacity, removal of organic matter such as residual chlorine to improve taste.

Built-in Magnetic Filter

Stable water quality, reduced boiler tube scaling and prevent pipeline corrosion. Adjust water activity, non-polluting, safe and without side-effects.



Valve Status:

Service	Backwash	Rinse
1 off	1 on	1 on
2 on	2 on	2 off
3 on	3 off	3 on
4 off	4 on	4 off
5 off	5 off	5 on

① Outlet Pipe ② Inlet Pipe

③ Drain Pipe

Water Filters



Available sizes	0520–2472 water filter
Capacity Range	1GPM–45GPM
Control Valves	All BNT control valves
Optional Media	Granet Sand, Magnetic Filter, Manganese Sand, KDF 85C etc.
Jackets	Stainless Steel, PE Round, PE Square Jackets for 8", 9" and 10" tanks.
Inlet & Outlet Size	1/2", 3/4", 1" and 1.5".

Kitchen Series

Introducing the new patented Canature technology, dual outlets 4 stage kitchen filter

Compact size, can be installed in almost any kitchen

Automatic backwash

Dual water outlet at different purification level for kitchen work and direct drinking

Option of UF membrane without storage tank, or RO membrane with storage tank



Control System	BNT-631A(T)	BNT-631A(T)
1 Stage (within FRP)	KDF55C	KDF55C
2 Stage (within FRP)	Coconut shell activated carbon	Coconut shell activated carbon
Stage	5 μ m PPF	5 μ m PPF
Stage	Food grade 10" UF membrane	Food grade 10" RO membrane
Stage	Kitchen Tap	Post-Activated Carbon
1 Outlet (Filtration Water)		Kitchen Tap
2 Outlet (Filtration Water)	Goose Faucet	Goose Faucet
Inflow Raw Water	Municipal Water	Municipal Water
Operation Water Pressure	0.20–0.30 MPa	0.20–0.30 MPa
Water Temperature	1–39°C	1–39°C
Power Supply	DC 12V	DC 12V
Optional Water Flow Rate	≤0.3cbm/hour or 5L/minute	≤0.3cbm/hour or 5L/minute
Pure Water Flow Rate (Faucet)	1–2.5L/minute	1–2.5L/minute
Suggested UF Replacement Period	8–15 months	8–15 months
Suggested RO Replacement Period	6–12 months	6–12 months
Inlet Connection Size	1/2"	1/2"
Outlet Connection Size	1/2"	1/2"
Faucet Connection Size	1/4"	1/4"
Drain Connection Size	Φ10–12 mm	Φ10–12 mm
Net Weight	≤12.5 KG	≤12.5 KG
Product Size	360*200*485mm	360*200*485mm
Packaging Size	514*224*564mm	514*224*564mm
Container Loading Qty	440pcs in 20ft container 880pcs in 40ft container	

Canature Commercial Drinking Water System



AC/KDF-1000-2A

Canature CSE timer control system
double 0835 anti-alga FRP tank
Stepper mode 15L Water heater



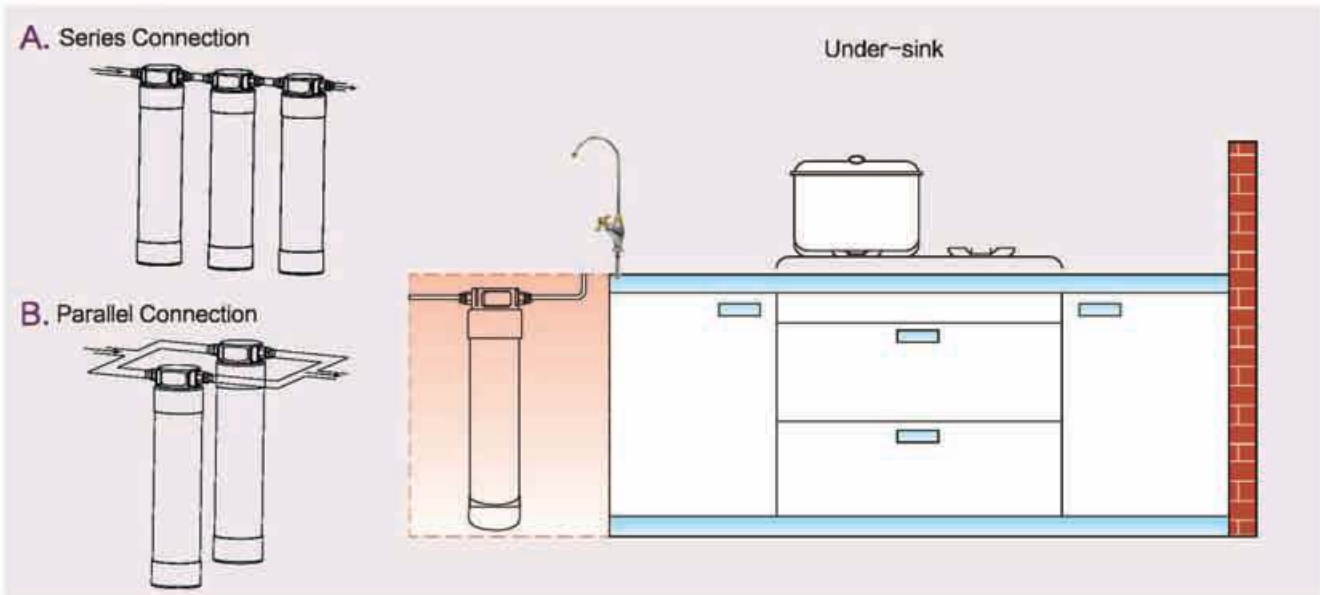
AC/KDF-1000-2B

- Cold, hot water purification dispenser
- Stepper water heater for instant hot water
- UV Sterilize for safe direct drinking
- Water leaking alert
- Automatic backwash using purified water for better water quality
- Perfect for offices, schools, restaurants, hotels and hospitals
- Equipped with double anti-alga pressure vessels
- Multiple stage filtration including KDF, active carbon and UF membrane

Part NO.	01041004B	01061005
Max Outlet Flow Rate	1.5 CBM / H	1.0 CBM / H
Cold Water Flow Rate	6 L/min × 2	5 L/min
Hot Water Flow Rate	6 L/min	4 L/min
Inlet & Outlet Size	1/2"	3/4"
Working Pressure	0.15-0.3MPa	0.15-0.3MPa
Inlet Water Temperature	1-39°C	1-39°C
Hot Water Temperature	95°C ± 3°C	95°C ± 3°C
Power Supply	220v/50Hz / 110V/60Hz	220v/50Hz / 110V/60Hz
Weight	<110KG	<65KG
Dimension	710 × 545 × 1660mm	400 × 390 × 1525mm

Residential/Commercial Compatible Water Filter

- Antibacterial algae-exclusive technology, and complete removal of algae living conditions.
- Four cross-filtration, thoroughly remove toxic and harmful substances.
- Quickly sealed joints inline design, installation more convenient and more secure.



C. Series-Parallel Connection



Model	AC/KDF-520 A
Valve	Manual Valve III
Inlet Water	Municipal Water
Rating Flow	≤4L/minute
Filtration Cartridge	25 Micron PP
KDF Ball	10 PCS
AC Powder	1.2 kgs
Pressure Tank	05"×20"
Granular AC	0.8 kgs
Working Pressure	0.15-0.40MPa
Water Temperature	1-42 ° C
Inlet & Outlet Pipe	3/8 inch
Net Weight	≤4.5 Kg
Size	φ122×565mm

Max Outlet Flow Rate	1.5 cbm/h	1 cbm/h	0.5 cbm/h
Pressure Tank	1144	1135	1015
AC Volume	17.5 kgs	13.5 kgs	4.5 kgs
KDF		Media guard	
Inlet & Outlet Size	1"	1"	3/4"
Working Pressure	0.15–0.30 MPa	0.15–0.30 MPa	0.15–0.30 MPa
Inlet Water Temperature	1–39 °C	1–39 °C	1–39 °C
Power	220V150Hz or 110V 160Hz		
Weight	≤35 kgs	≤30 kgs	≤12 kgs
Dimension	360 × 306 × 1335 mm	360 × 306 × 1105 mm	360 × 306 × 595 mm



Pre-Filter

Capacity	3–5cbm/h, 10L/minute; 8L/minute
Optional Cartridge	10" SS grid, PP cartridge, Carbon cartridge
Inlet/Outlet Size	1" 、 3/4" 、 1/2"
Working Pressure	0.20–0.60MPa
Dimension	381*198*139mm



UV-Light

Capacity	1.2 GPM or 3–5L/minute
Optional Cartridge	UV light; PP cartridge, carbon cartridge, ceramic cartridge
Inlet/Outlet Size	1" 、 3/4" 、 1/2"
Working Pressure	8.5 MPa
Dimension	310*78*77mm





FRESH IDEAS FOR YOUR HOME

Engineered Products



Multiple Tanks System(MTS)

COMMERCIAL AND INDUSTRIAL WATER SYSTEM

- High Flow BNT 950 Control Valves
Feature BNT950 control valve
- Tough Corrosion Resistant Pressure Vessels
NSF approved mineral tanks
- Durable Brine Tanks
High density polyethylene brine tanks
- High Capacity Resin
Premium NSF 44 approved 8% cation ion exchange resin.

The MTS (Multiple Tank Systems) provide continuous soft water 24 hours a day. They are engineered and thoroughly tested to provide years of reliable, trouble free performance with a minimum of maintenance.



For Applications Such As

Apartments - Boiler Treatment - Motels - School - Nursing Homes Office Buildings - Condominiums - Factories - Hospital - R/O Pre-Treatment

MTS System

Shown with pre-loaded, skid mounted, pre-piped and pre-wired



Multiple Tanks System(MTS)

COMPETITIVE ADVANTAGES:

BNT-95 Control Valve



VS

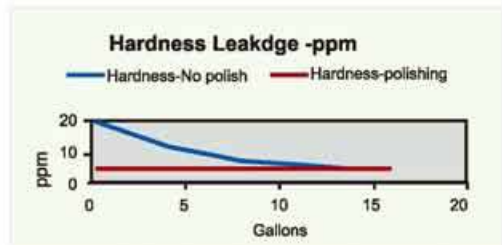
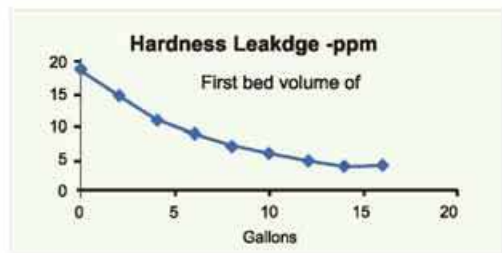
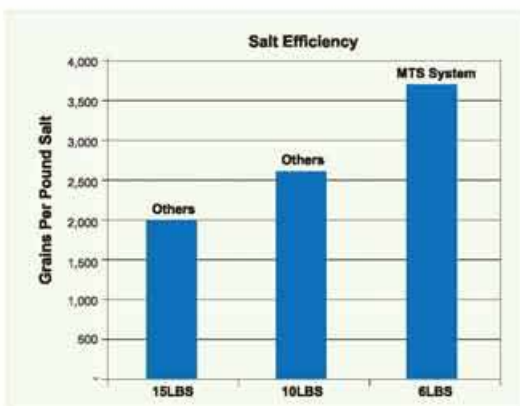


No hardness leaking and offer Consistent high quality soft water

- MTS systems provide continuous soft water all day, alone.
- MTS systems can detect flow rates under 1gpm, which make system precise operation.
- MTS systems can provide up to 9 hours soft water when power outages.
- MTS systems can automatically divert the first 10–15 gallons of water to drain to insure no hardness is passed into the service line
- MTS systems have a small pump recycles water when the system flow rate drops below the set point, This keeps the product water “polished” so no hardness can leak to the service line.

Lower Cost

- MTS systems cost up to 25% less.
- MTS systems are engineered to operate at high efficiency salt settings resulting in salt savings of 30% – 45%.



More Flexibility

- MTS systems with smaller tanks have equal flow rate and capacity compared to large tank & brass valve systems.
- MTS systems can be expanded quickly. Additional tanks can be added to increase the capacity of the systems, when investments change or the soft water needing change.
- According to the consumption of soft water, MTS systems can be equipped by multiple tank size.

Easier to install

- MTS systems are easier to install and less occupied area.
- The main controller of MTS systems is installed at a convenient to use location rather than on top the tall tanks

High Performance

- Reduced "Hardness Channeling" at low flow rates
- MTS flow meters can accurately measure low flow rates
- Progressive Flow / Demand Flow operation
- Battery back up system can meter water for up to 9 hours during power outage
- Monitors and forecasts water usage. Automatically increases the system capacity for peak flow periods
- 2 Extra programmable output relays (i.e. chemical pump)
- Advanced system diagnostics for easy trouble shooting

MTS SYSTEM Compare With Fleck 2900 duplex system

SYSTEM	MTS4-5(14X65)	Fleck 2900 duplex c/w 24 x72
Flow Rate(15psi pressure drop)	68GPM	62GPM
Flow Rate(25psi pressure drop)	90GPM	85GPM
Salt lb Per Day	19	27
Hardness Removed Per Day	76000 grains	75000 grains
Tank Capacity	72,000	196,000
Regenerations per Tank per year	380	140
Gallons Per Regeneration Per Tank	97	334
Total Gallons per Year	36,880	46,579

Commercial Water Softener System

CONTINUOUS FLOW RATE (GPM < 15psi PRESSURE DROP)							
MTS2-	HARDNESS (GRAINS PER GALLON)						
CF / TANK	10	15	20	25	30	40	50
MTS2-3 (14x65)	18	12	9	7	6	5	4
MTS2-4 (16x65)	23	16	12	10	8	6	5
MTS2-5 (18x65)	25	20	15	12	10	8	6
CONTINUOUS FLOW RATE (GPM < 15psi PRESSURE DROP)							
MTS3-	HARDNESS (GRAINS PER GALLON)						
CF / TANK	10	15	20	25	30	40	50
MTS3-3 (14x65)	37	24	18	15	12	9	7
MTS3-4 (16x65)	46	33	24	20	16	12	10
CONTINUOUS FLOW RATE (GPM < 15psi PRESSURE DROP)							
MTS4-	HARDNESS (GRAINS PER GALLON)						
CF / TANK	10	15	20	25	30	40	50
MTS4-3 (14x65)	55	30	28	22	18	14	11
MTS4-4 (16x65)	69	49	37	29	24	18	15
MTS4-5 (18x65)	75	61	46	37	31	23	18
MTS4-6 (21x62)	80	73	55	44	37	28	22
MTS4-7 (21x62)	78	78	64	51	43	32	26
MTS4-8 (24x72)	81	81	73	59	49	37	29
MTS4-9 (24x72)	81	81	81	66	55	41	33
MTS4-10 (24x72)	80	80	80	73	61	46	37

PEAK CONTINUOUS FLOW RATE (GPM < 25psi PRESSURE DROP)								INSTANTANEOUS PEAK FLOW RATE (GPM < 25psi PRESSURE DROP)
MTS2-	HARDNESS (GRAINS PER GALLON)							
CF / TANK	10	15	20	25	30	40	50	
MTS2-3 (14x65)	28	18	14	11	9	7	6	29
MTS2-4 (16x65)	31	24	18	15	12	9	7	31
MTS2-5 (18x65)	33	31	23	18	15	11	9	33
CONTINUOUS FLOW RATE (GPM < 25psi PRESSURE DROP)								
MTS3-	HARDNESS (GRAINS PER GALLON)							
CF / TANK	10	15	20	25	30	40	50	
MTS3-3 (14x65)	55	37	28	22	18	14	11	58
MTS3-4 (16x65)	61	49	37	29	24	18	15	61
MAX. CONTINUOUS FLOW RATE (GPM < 25psi PRESSURE DROP)								
MTS4-	HARDNESS (GRAINS PER GALLON)							INTERMITTENT FLOW RATE (GPM < 25psi PRESSURE DROP)
CF / TANK	10	15	20	25	30	40	50	
MTS4-3 (14x65)	83	55	41	33	28	21	17	87
MTS4-4 (16x65)	92	73	55	44	37	28	22	92
MTS4-5 (18x65)	100	92	69	55	46	34	28	100
MTS4-6 (21x62)	105	105	83	66	55	41	33	105
MTS4-7 (21x62)	104	104	96	77	64	48	39	104
MTS4-8 (24x72)	107	107	107	88	73	55	44	107
MTS4-9 (24x72)	106	106	106	99	83	62	50	106
MTS4-10 (24x72)	105	105	105	105	82	68	55	105

MTS2-	# Tanks	Tank Size	CF Resin Per Tank	Back Wash Flow Rate
MTS_3	2,3,4	14x65	3	5
MTS_4	2,3,4	16x65	4	6
MTS_5	2,3,4	18x65	5	8
MTS_6	2,3,4	21x62	6	12
MTS_7	2,3,4	21x62	7	12
MTS_8	2,3,4	24x72	8	15
MTS_9	2,3,4	24x72	9	15
MTS_10	2,3,4	24x72	10	15

SYSTEM	Foot Print (In) Tank Size		Brine Tank Size	Salt Storage
	Length -A	Width - B		
MTS2-3,4,5	43	30	18x40	600
MTS2-6,7,8,9,10	55	36	18x40	600
MTS3-3,4,5	62	30	18x40	600
MTS3-6,7,8,9,10	80	36	18x40	600
MTS4-3,4,5 (X2)	43	30	18x40	600
MTS4-6,7,8,9,10 (X2)	55	36	18x40	600

Multiple Tanks System(MTS)

Commercial Water Filter System

NEUTRALIZER

MODEL	TANK SIZE	VALVE INLET CONNECTORS - INCH	Service Flow Rates - GPM		BACKWASH FLOW RATE - GPM	DRAIN SIZE - INCH	MEDIA VOLUME - CF	BED DEPTH - INCH
			NORMAL	PEAK				
CNN-1252	1252	1" / 1.25" / 1.5" NPT	2.3	4.5	8	3/4" NPT	2.0	31.9
CNN-1354	1354	1" / 1.25" / 1.5" NPT	2.7	5.3	11	3/4" NPT	2.5	33.8
CNN-1465	1465	1" / 1.25" / 1.5" NPT	3.1	6.2	14	3/4" NPT	3.0	34.9
CNN-1665	1665	1" / 1.25" / 1.5" NPT	4.1	8.1	16	3/4" NPT	4.0	35.5
CNN-1865	1865	1" / 1.25" / 1.5" NPT	5.2	10.3	22	1" NPT	5.0	34.9
CNN-2162	2162	1" / 1.25" / 1.5" NPT	7.0	14.3	24	1" NPT	7.0	35.8
CNN-2472	2472	1" / 1.25" / 1.5" NPT	9.2	18.5	40	1" NPT	10.0	39.0

CARBON FILTERS

MODEL	TANK SIZE	VALVE INLET CONNECTORS - INCH	Service Flow Rates - GPM		BACKWASH FLOW RATE - GPM	DRAIN SIZE - INCH	MEDIA VOLUME - CF	BED DEPTH - INCH
			NORMAL	3.0 MINUTE EMPTY BED CONTACT TIME				
CAC-1252	1252	1" / 1.25" / 1.5" NPT	3.8	5.0	8	3/4" NPT	2.0	31.9
CAC-1354	1354	1" / 1.25" / 1.5" NPT	4.4	6.2	11	3/4" NPT	2.5	33.8
CAC-1465	1465	1" / 1.25" / 1.5" NPT	5.2	7.5	14	3/4" NPT	3.0	34.9
CAC-1665	1665	1" / 1.25" / 1.5" NPT	6.8	10.0	16	3/4" NPT	4.0	35.5
CAC-1865	1865	1" / 1.25" / 1.5" NPT	8.6	12.5	22	1" NPT	5.0	34.9
CAC-2162	2162	1" / 1.25" / 1.5" NPT	11.7	17.5	24	1" NPT	7.0	35.8
CAC-2472	2472	1" / 1.25" / 1.5" NPT	15.4	24.9	40	1" NPT	10.0	39.0

BIRM

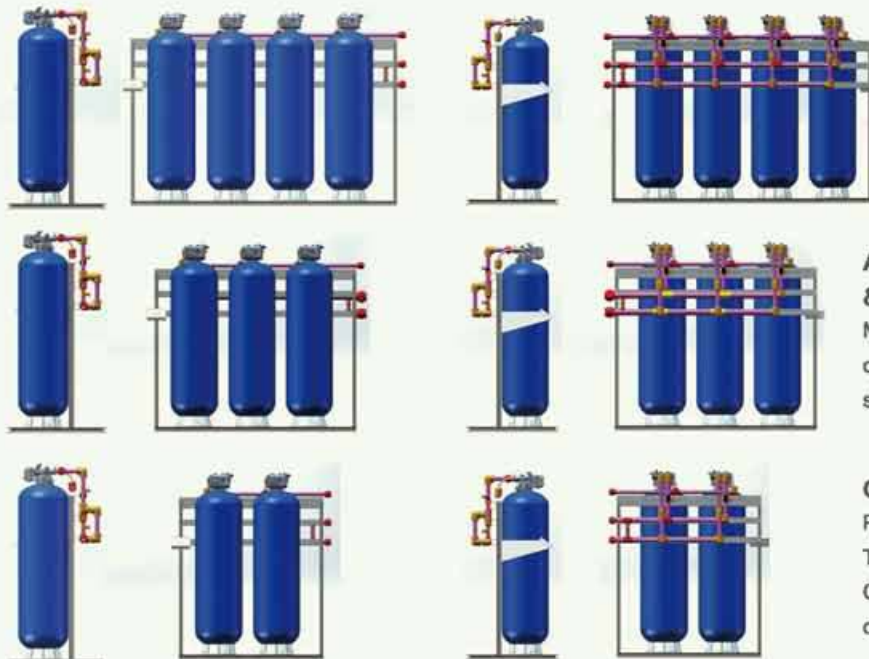
MODEL	TANK SIZE	VALVE INLET CONNECTORS - INCH	Service Flow Rates - GPM		BACKWASH FLOW RATE - GPM	DRAIN SIZE - INCH	MEDIA VOLUME - CF	BED DEPTH - INCH
			NORMAL	PEAK				
CBM-1252	1252	1" / 1.25" / 1.5" NPT	3.8	7.5	8	3/4" NPT	2.0	31.9
CBM-1354	1354	1" / 1.25" / 1.5" NPT	4.4	8.9	11	3/4" NPT	2.5	33.8
CBM-1465	1465	1" / 1.25" / 1.5" NPT	5.2	10.3	14	3/4" NPT	3.0	34.9
CBM-1665	1665	1" / 1.25" / 1.5" NPT	6.8	13.5	16	3/4" NPT	4.0	35.5
CBM-1865	1865	1" / 1.25" / 1.5" NPT	8.6	17.2	22	1" NPT	5.0	34.9
CBM-2162	2162	1" / 1.25" / 1.5" NPT	11.7	23.5	24	1" NPT	7.0	35.8
CBM-2472	2472	1" / 1.25" / 1.5" NPT	15.4	30.8	40	1" NPT	10.0	39.0

GREENSAND FILTERS

MODEL	TANK SIZE	VALVE INLET CONNECTORS - INCH	Service Flow Rates - GPM		BACKWASH FLOW RATE - GPM	DRAIN SIZE - INCH	MEDIA VOLUME - CF	BED DEPTH - INCH
			NORMAL	PEAK				
CMG-1252	1252	1" / 1.25" / 1.5" NPT	3.8	7.5	8	3/4" NPT	2.0	31.9
CMG-1354	1354	1" / 1.25" / 1.5" NPT	4.4	8.9	11	3/4" NPT	2.5	33.8
CMG-1465	1465	1" / 1.25" / 1.5" NPT	5.2	10.3	14	3/4" NPT	3.0	34.9
CMG-1665	1665	1" / 1.25" / 1.5" NPT	6.8	13.5	16	3/4" NPT	4.0	35.5
CMG-1865	1865	1" / 1.25" / 1.5" NPT	8.6	17.2	22	1" NPT	5.0	34.9
CMG-2162	2162	1" / 1.25" / 1.5" NPT	11.7	23.5	24	1" NPT	7.0	35.8
CMG-2472	2472	1" / 1.25" / 1.5" NPT	15.4	30.8	40	1" NPT	10.0	39.0

MULTI-MEDIA FILTERS

MODEL	TANK SIZE	VALVE INLET CONNECTORS - INCH	Service Flow Rates - GPM		BACKWASH FLOW RATE - GPM	DRAIN SIZE - INCH	MEDIA VOLUME - CF	BED DEPTH - INCH
			DOMESTIC	INDUSTRIAL				
CMM-1252	1252	1" / 1.25" / 1.5" NPT	3.8	2.3	11	3/4" NPT	2.0	31.9
CMM-1354	1354	1" / 1.25" / 1.5" NPT	4.4	2.7	14	3/4" NPT	2.5	33.8
CMM-1465	1465	1" / 1.25" / 1.5" NPT	5.2	3.1	16	3/4" NPT	3.0	34.9
CMM-1665	1665	1" / 1.25" / 1.5" NPT	6.8	4.1	22	1" NPT	4.0	35.5
CMM-1865	1865	1" / 1.25" / 1.5" NPT	8.6	5.2	24	1" NPT	5.0	34.9
CMM-2162	2162	1" / 1.25" / 1.5" NPT	11.7	7.0	40	1" NPT	7.0	35.8



All Systems are Factory Assembled & Tested

MTS systems come with 1" thru 2" inlet / outlet connections providing recommended service flow rates at minimal pressure loss.

Operating Conditions

Pressure Range 25 to 125 psi
Temperature Up to 110 deg. F
Check with factory for other operating conditions.

CAN-SMART

Water Softener With BNT 85HE

World Most Efficiency Water Softener



BNT 85HE Upflow Valve



- High-Efficiency Performance
- Save Salt, Water & Money!
- Use 78% less Salt and 77% less water than conventional water softeners.
- High Efficiency BNT-85HE UP FLOW control valve.
- High-Efficiency Fine Mesh Cation Resin.
- Glaring CS11H 1026/1035 New Cabinet designed by TOP European designer.



Five Years Warranty
Control Valve

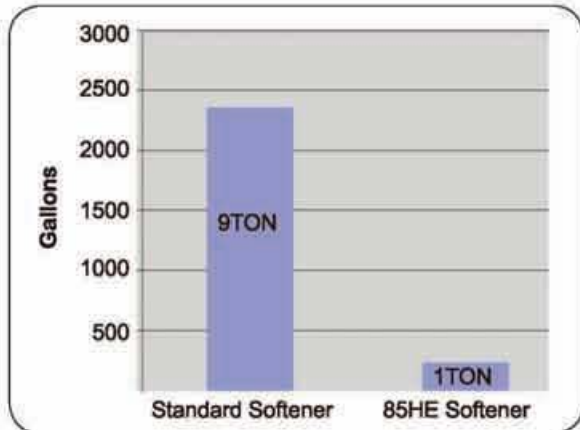


Ten Years Warranty
Pressure Tank

The BNT-85HE Control Valve has been engineered for High Efficiency, it includes the standard options that come with every Canature control valves, but many new and innovative features are added to BNT-85HE valve.

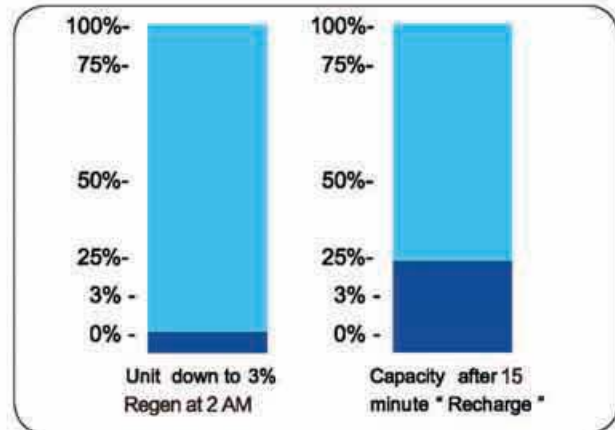
Features :

• **Reduced back wash water**



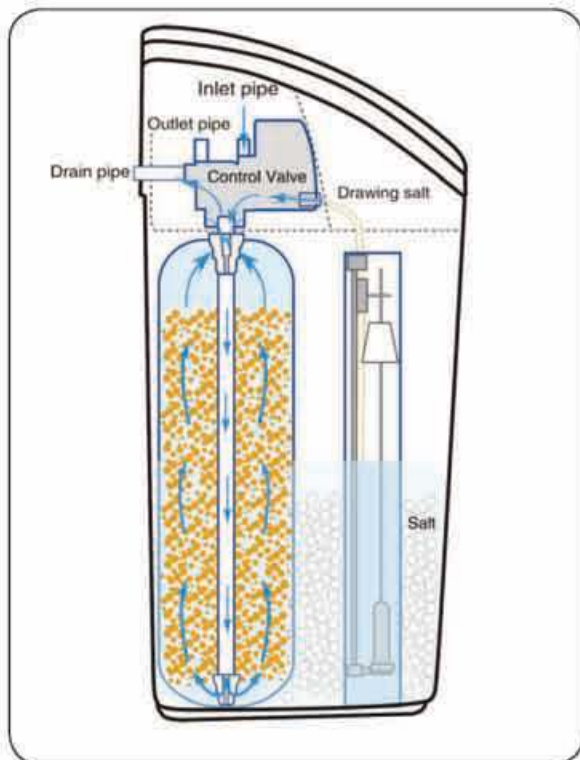
On clean city water supplies (<1 NTU) a back wash is not required every regeneration. As in this example, the 85HE valve can be set to include the back wash cycle once per month.

• **Soft water Recharge mode**



If reserve capacity is depleted by a spike in water usage, the system will automatically perform a quick 20 minute "recharge" regeneration to restore up to 33% system capacity.

• **High Efficiency Precision Up-flow regeneration**



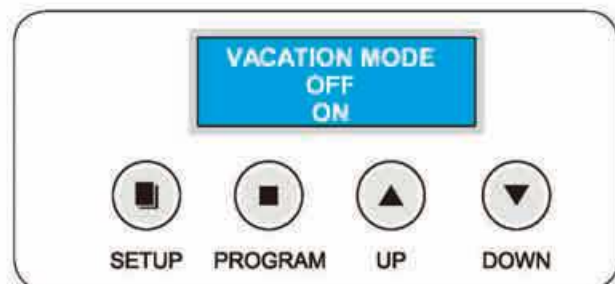
High Quality Soft Water – Very low hardness leakage
High Salt Efficiency
Low Regeneration Water Usage

• **"No Touch" rotating diagnostic display**



The main page display will always "rotate" these diagnostics. No need to use special codes or commands to find the information.

• **Automatic vacation mode**



If no water is used for more than 7 days, the 85HE valve will automatically perform a 10 minute back wash and 10 minute rinse to keep the water fresh in the water supply system.

Features

- WQA Gold Seal Certified Water Softener.
- BNT-85HE High-Efficiency UP-FLOW electronic control valve.
- Simple electronics. No confusing codes or symbols.
- NSF certificated Pressure tank and control valve.
- Rotating diagnostic display.
- Adjustable cycles for peak efficiency.
- Use 78% less salt and 77% less water than conventional water softeners.
- High-efficiency fine mesh cation resin.
- Glaring CS11H 1026/1035 new cabinet designed by Top European designer.
- Safety brine valve provides additional overflow protection

Specifications

Model	BNT-85HE UP FLOW+ CS11 H 1026	BNT-85HE UP FLOW+ CS11 H 1035
Control System	BNT-850HE UP Flow Control Valve	
Maximum Hardness Removal	24,735 grains	36,608 grains
Maximum Efficiency	5052 grains/lbs salt	
Salt Used	2.1 lbs	3.0 lbs
Water Used	25.0 L	34.6 L
System Capacity	10,711 grains	15,156 grains
Resin Volume	20L Fine Mesh resin	28L Fine Mesh resin
Integrated Meter in Bypass	Yes	Yes
Plumbing Connections	1/2", 3/4", 1"	
Flow Rate @15 psi Pressure drop	10.2 gpm	10.0 gpm
Salt Storage Capacity	120 lbs	160 lbs
Electrical Requirements	220V/110V, 50Hz/60Hz	
Working Temperature	1-42 °C	
Working Pressure	0.15-0.30MPa	

BNT-85HE Compare with Mechanical Valve in the market

Model No.	1CF Mechanical Time Clock	1CF Mechanical Meter	485HE-100
Estimated Annual Backwash Water Usage	9000 liters		900 liters
Water Usage per regeneration	283.5 liters	283.5 liters	119.45 liters
Estimated Regeneration Water Used Per Year	25869 liters	19868 liters	9332 liters
Salt Usage Per year	913 kgs	701kgs	347kgs

Efficiency Comparison :

The Can-Smart Water Softener versus a competitive High Efficiency Softener in the market.



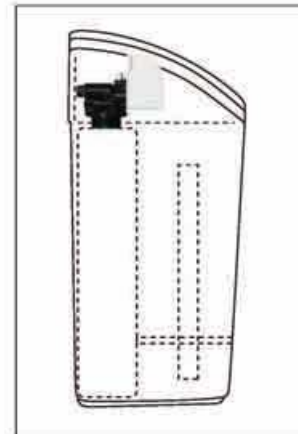
85HE UP FLOW(28L)



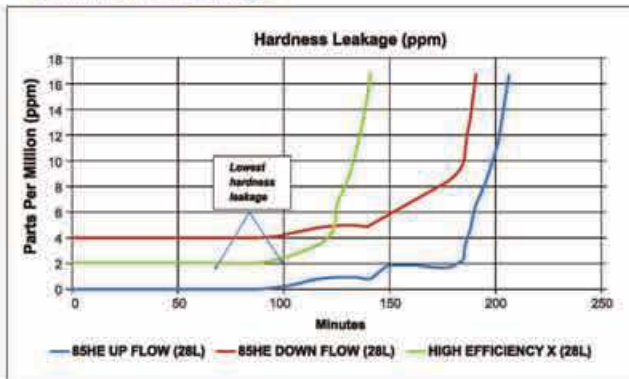
85HE DOWN FLOW(28L)



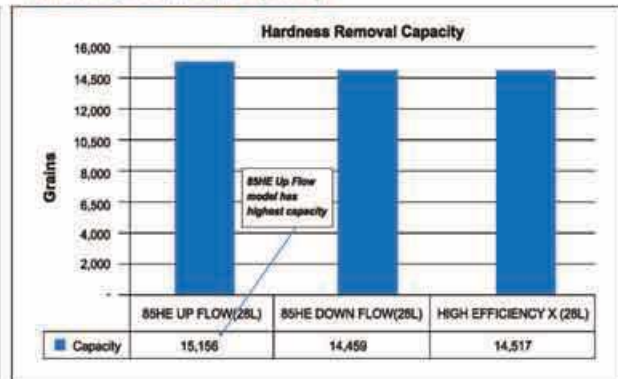
HIGH EFFICIENCY X (28L)



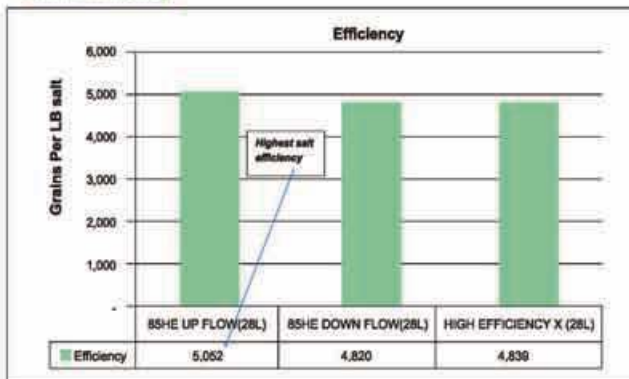
• Low Hardness Leakage



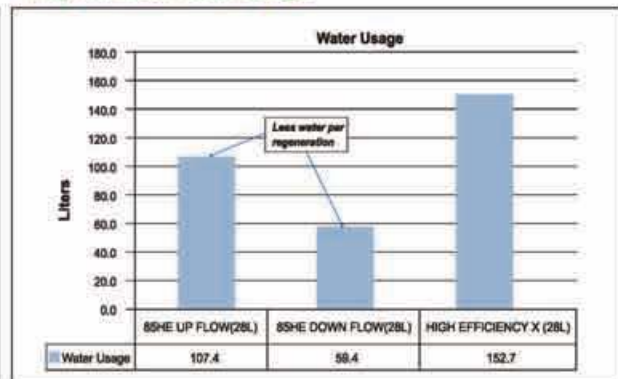
• Hardness Removal Capacity



• Salt Efficiency



• Regeneration Water Usage



The above testing result are base on below condition:

Service flow rate is 4 gpm (15.1 lpm). Water Hardness is 25 gpg (428 ppm). Salt dosage is 3lbs/CF (48g/l).

Canature Commercial Water Filters



MULTI-MEDIA FILTERS

MODEL	TANK SIZE	VALVE INLET CONNECTORS - INCH	Service Flow Rates - GPM		BACKWASH FLOW RATE - GPM	DRAIN SIZE - INCH	MEDIA VOLUME - CF	BED DEPTH - INCH
			DOMESTIC	INDUSTRIAL				
CMM-1252	1252	1" / 1.25" / 1.5" NPT	3.8	2.3	11	3/4" NPT	2.0	31.9
CMM-1354	1354	1" / 1.25" / 1.5" NPT	4.4	2.7	14	3/4" NPT	2.5	33.8
CMM-1465	1465	1" / 1.25" / 1.5" NPT	5.2	3.1	16	3/4" NPT	3.0	34.9
CMM-1665	1665	1" / 1.25" / 1.5" NPT	6.8	4.1	22	1" NPT	4.0	35.5
CMM-1865	1865	1" / 1.25" / 1.5" NPT	8.6	5.2	24	1" NPT	5.0	34.9
CMM-2162	2162	1" / 1.25" / 1.5" NPT	11.7	7.0	40	1" NPT	7.0	35.8

CARBON FILTERS

MODEL	TANK SIZE	VALVE INLET CONNECTORS - INCH	Service Flow Rates - GPM		BACKWASH FLOW RATE - GPM	DRAIN SIZE - INCH	MEDIA VOLUME - CF	BED DEPTH - INCH
			NORMAL	3.0 MINUTE EMPTY BED CONTACT TIME				
CAC-1252	1252	1" / 1.25" / 1.5" NPT	3.8	5.0	8	3/4" NPT	2.0	31.9
CAC-1354	1354	1" / 1.25" / 1.5" NPT	4.4	6.2	11	3/4" NPT	2.5	33.8
CAC-1465	1465	1" / 1.25" / 1.5" NPT	5.2	7.5	14	3/4" NPT	3.0	34.9
CAC-1665	1665	1" / 1.25" / 1.5" NPT	6.8	10.0	16	3/4" NPT	4.0	35.5
CAC-1865	1865	1" / 1.25" / 1.5" NPT	8.6	12.5	22	1" NPT	5.0	34.9
CAC-2162	2162	1" / 1.25" / 1.5" NPT	11.7	17.5	24	1" NPT	7.0	35.8
CAC-2472	2472	1" / 1.25" / 1.5" NPT	15.4	24.9	40	1" NPT	10.0	39.0

GREENSAND FILTERS

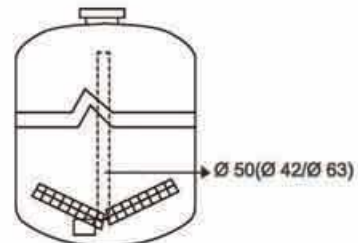
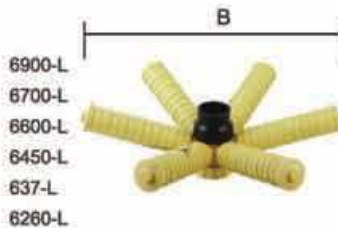
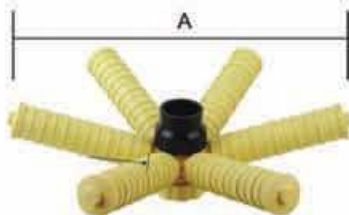
MODEL	TANK SIZE	VALVE INLET CONNECTORS - INCH	Service Flow Rates - GPM		BACKWASH FLOW RATE - GPM	DRAIN SIZE - INCH	MEDIA VOLUME - CF	BED DEPTH - INCH
			NORMAL	PEAK				
CMG-1252	1252	1" / 1.25" / 1.5" NPT	3.8	7.5	8	3/4" NPT	2.0	31.9
CMG-1354	1354	1" / 1.25" / 1.5" NPT	4.4	8.9	11	3/4" NPT	2.5	33.8
CMG-1465	1465	1" / 1.25" / 1.5" NPT	5.2	10.3	14	3/4" NPT	3.0	34.9
CMG-1665	1665	1" / 1.25" / 1.5" NPT	6.8	13.5	16	3/4" NPT	4.0	35.5
CMG-1865	1865	1" / 1.25" / 1.5" NPT	8.6	17.2	22	1" NPT	5.0	34.9
CMG-2162	2162	1" / 1.25" / 1.5" NPT	11.7	23.5	24	1" NPT	7.0	35.8
CMG-2472	2472	1" / 1.25" / 1.5" NPT	15.4	30.8	40	1" NPT	10.0	39.0

BIRM

MODEL	TANK SIZE	VALVE INLET CONNECTORS - INCH	Service Flow Rates - GPM		BACKWASH FLOW RATE - GPM	DRAIN SIZE - INCH	MEDIA VOLUME - CF	BED DEPTH - INCH
			NORMAL	PEAK				
CBM-1252	1252	1" / 1.25" / 1.5" NPT	3.8	7.5	8	3/4" NPT	2.0	31.9
CBM-1354	1354	1" / 1.25" / 1.5" NPT	4.4	8.9	11	3/4" NPT	2.5	33.8
CBM-1465	1465	1" / 1.25" / 1.5" NPT	5.2	10.3	14	3/4" NPT	3.0	34.9
CBM-1665	1665	1" / 1.25" / 1.5" NPT	6.8	13.5	16	3/4" NPT	4.0	35.5
CBM-1865	1865	1" / 1.25" / 1.5" NPT	8.6	17.2	22	1" NPT	5.0	34.9
CBM-2162	2162	1" / 1.25" / 1.5" NPT	11.7	23.5	24	1" NPT	7.0	35.8
CBM-2472	2472	1" / 1.25" / 1.5" NPT	15.4	30.8	40	1" NPT	10.0	39.0

NUETRALIZER

MODEL	TANK SIZE	VALVE INLET CONNECTORS - INCH	Service Flow Rates - GPM		BACKWASH FLOW RATE - GPM	DRAIN SIZE - INCH	MEDIA VOLUME - CF	BED DEPTH - INCH
			NORMAL	PEAK				
CNN-1252	1252	1" / 1.25" / 1.5" NPT	2.3	4.5	8	3/4" NPT	2.0	31.9
CNN-1354	1354	1" / 1.25" / 1.5" NPT	2.7	5.3	11	3/4" NPT	2.5	33.8
CNN-1465	1465	1" / 1.25" / 1.5" NPT	3.1	6.2	14	3/4" NPT	3.0	34.9
CNN-1665	1665	1" / 1.25" / 1.5" NPT	4.1	8.1	16	3/4" NPT	4.0	35.5
CNN-1865	1865	1" / 1.25" / 1.5" NPT	5.2	10.3	22	1" NPT	5.0	34.9
CNN-2162	2162	1" / 1.25" / 1.5" NPT	7.0	14.1	24	1" NPT	7.0	35.8
CNN-2472	2472	1" / 1.25" / 1.5" NPT	9.2	18.5	40	1" NPT	10.0	39.0



Canature Commercial Water Softeners

Specifications	BNT95-250	BNT95-300	BNT95-400	BNT95-500	BNT95-700	BNT95-1000
Factory Settings - High Efficiency (48g/l)						
Salt Used - Kg	3.4	4.1	5.4	6.8	9.5	13.6
Water Used - Liters	384.0	415.4	540.5	0.0	0.0	0.0
System Capacity - Grains	35,000	42,000	56,000	70,000	98,000	140,000
Factory Settings - Standard Capacity (96g/l)						
Salt Used - Kg	6.8	8.2	10.9	13.6	19.1	27.2
Water Used - Liters	509.5	553.4	720.5	0.0	0.0	0.0
System Capacity - Grains	60,000	72,000	96,000	120,000	168,000	240,000
Factory Settings - High Capacity (160 g/l)						
Salt Used - Kg	11.3	13.6	18.1	22.7	31.8	45.4
Water Used - Liters	553.8	597.6	776.8	0.0	0.0	0.0
System Capacity - Grains	75,000	90,000	120,000	150,000	210,000	300,000
System Flow Rate						
Flow Rate @ 15 psi Pressure Drop - gpm	23.9	23	24.8	27.7	28.8	29.6
Flow Rate @ 25 psi Pressure Drop - gpm	32.3	31.3	33.4	36.7	38.2	39.1
Back Wash Flow Rate - gpm	5.0	5.0	7.0	8.0	11.0	17.0
Flow Rate @ 15 psi Pressure Drop - T/H	5.4	5.2	5.6	6.3	6.5	6.7
Flow Rate @ 25 psi Pressure Drop - T/H	7.3	7.1	7.6	8.3	8.7	8.9
Back Wash Flow Rate - T/H	1.1	1.1	1.6	1.8	2.5	3.9
Resin Quantity						
Tank Size	14x65	14x65	16x65	18x65	21x62	24x72
Brine Tank / Cabinet Size (Inches)	Ø 585 x 1040mm					
Salt Storage Capacity	250 Kg					
Plumbing Connections	1", 1.25", 1.5" BSP.NPT					
Resin Type	Canature 8% High Capacity Ion Exchange Resin					
Electrical Requirements	120V-240V 50/60 Hz					
Water Temperature	Min 1 - Max. 42 Degrees Celsius					
Water Pressure	Min. 0.14 - Max. 0.86 Mpa					



Hardness–Taste–Odor (HTO) System

TRULY REFINED WATER FOR YOUR WHOLE HOME

Enjoy Luxurious Soft Water Plus Remove Bad Taste & Odour

Rid your water of hardness minerals (calcium and magnesium) and bad tastes and odour caused by chlorine, chloramines or organic matter. Enjoy great tasting, odour-free water plus benefit from softer skin, silkier hair, spot free dishes, brighter laundry while protecting your plumbing and water using appliances from scale build up.

The unique two tank system keeps the two media beds separate and allows for more carbon contact improving chlorine, chloramines and organic removal. Because the carbon may need to be replaced before the softening resin, the two tank system allows for replacement without having to change the resin bed unlike many traditional mixed bed systems. Same benefit as separate systems but with cost of only one control valve.



*Clean, Clear
Truly Refined Water*



No confusing codes or symbols.



Features:

Two tank carbon system keeps media beds separate and allows for more carbon contact for improved chlorine, chloramines and organic removal

- Carbon can be replaced without replacing the resin bed
- Same benefit as separate systems but with cost of only one control valve
- Smaller carbon tank increases backwash flow rate for proper carbon backwash
- Exclusive NSF Certified electronic control valve with reliable piston, seal and spacer technology
- Lifetime Warranty on NSF Certified fibreglass tanks; 7 years on valve
- Rotating "No-touch" diagnostic LCD display
- Meter Immediate, Meter Delayed, Meter with Day Override, Vacation and Calendar Clock mode
- Adjustable cycle times
- Tank jackets reduce condensation problems
- Brine safety valve provides extra overflow protection
- Plastic salt grid prevents salt bridging
- Unique bypass with an integrated space saving turbine meter and sample port on the inlet. One-piece design avoids meter jamming
- Time saving quick connect fittings on bypass and brine line. Power cord even has quick connect for easy valve spin on.
- Drain line o-ring eliminates need for Teflon
- NSF Certified fibreglass tanks / WQA approved resin
- NSF Certified control valve

Carbon Tank					Softener Tank				
Tank Size	Tank Volume-CF(Empty)	Volume-CF (Fine Gravel)	Volume-CF (Carbon)	Flow Rate-GPM(30-40% Bed Expansion)	Tank Size	Tank Volume-CF(Empty)	Volume-CF (Fine Gravel)	Volume-CF (IonExchange)	Flow Rate-GPM(40-50% Bed Expansion)
744	0.86	0.08	2.4	1.72	1044	0.12	0.12	1.14	2.4
844	1.10	0.09	3.5	2.11	1144	0.13	0.13	1.41	3.5
948	1.57	0.10	4.0	2.77	1248	0.14	0.14	1.88	4.0
1054	2.15	0.12	5.0	3.73	1354	0.15	0.15	2.56	5.0

TANK SIZE		Media - CF		FLOW RATE - GPM (3Minute Empty Bed Contact Time)	Softener Capacity - Grains		
Carbon	Softener	Carbon	Ion Exchange		3lbs	6lbs	10lbs
744	1044	0.56	1.14	1.39	17.143	28.571	34.286
844	1144	0.72	1.41	1.80	21.214	35.357	42.429
948	1248	1.05	1.88	2.62	28.179	46.964	56.357
1054	1354	1.45	2.56	3.62	38.357	63.929	76.714

BNT-85HE Twin Alternating System

Overview

Our 85 TA (Twin Alternating) Series softeners provide up to 40 L/m (1 bar pressure drop) continuous soft water 24 hours a day. They are engineered and thoroughly tested to provide years of reliable, trouble free performance with a minimum of maintenance.



VS



Smart system

As flow rate demand increases and passed the preset trip points, external motorized ball valves on each control valve are opened to bring the stand-by tank on-line to increase flow capacity. When the demand goes down below the trip points, the stand-by tank is taken off-line. When the capacity of a tank is depleted, it will immediately go into regeneration. The outlet valve will close to prevent any hard water from entering the service line. The tank standby will get into service at the same time.



New features

- Up-flow Regeneration: Provides high efficiency and ultra low hardness leakage (less than 1 ppm)
- Soft water Refill: Adds treated water to the brine tank to keep brine clean and reduces maintenance.
- Up-flow Regeneration: Provides high efficiency and ultra low hardness leakage (less than 1 ppm)
- Master Controller: Fully programmable electronic controller with adjustable cycles.
- Alternating Flow: One tank is always off-line for regeneration or ready for adding the flowrate demand at standby.
- Advanced Diagnostic Information: Easily trouble shoot and access system information displayed in real time.
- Back Wash Override: Reduces regeneration water usage by skipping preset number of back wash cycles.
- Soft water Refill: Adds treated water to the brine tank to keep brine clean and reduces maintenance.

Comparisons

85HE-TA

Up-flow and Down Flow
Back-wash override feature
Valve Cv – 5.2
Simple Programming – Yes

9100 SXT

Down-flow only
Not Available
Valve Cv – 5.0
Simple Programming – No

- Tank #1 Service / Tank #2 Standby**
Tank #1 in service until meter reaches zero gallon.
- Tank #2 Service / Tank #1 Regen**
When Tank #1 reaches zero gallon. 3-way valve directs outlet water from Tank #1 to Tank #2. Tank #1 goes into a regeneration.
- Tank #2 Service / Tank #1 Standby**
When Tank #1 completes its regeneration, it remains ready in standby until tank #2 reaches zero gallon.
- Tank #1 Service / Tank #2 Service**
When the flow rate is high and over the preset trip point, the standby tank will get on-line to increase the capacity.

For Applications Such As

Apartments - Boiler Treatment - Cooling Tower - Motels - Schools - Nursing Homes - Car Wash - Dairies - Factories - Laundromat - Office Buildings - Resorts - RO Pre-Treatment - Hospitals

Sizing Charts

3 lbs Per Cubic Foot

CONTINUOUS FLOW RATE (GPM < 1.5psi PRESSURE DROP)								
MTS2- CF / TANK	Total CF	HARDNESS (GRAINS PER GALLON)						
		10	15	20	25	30	40	50
85TA-75	1.5	9	6	5	4	3	2	2
85TA-100	2.0	11	8	6	5	4	3	3
85TA-150	3.0	11	11	9	8	6	5	4
85TA-200	4.0	12	12	12	10	8	6	5
85TA-250	5.0	12	12	12	12	10	8	6
85TA-300	6.0	12	12	12	12	12	9	8
8TTA-400	8.0	13	13	13	13	13	13	11

PEAK CONTINUOUS FLOW RATE (GPM < 2.5psi PRESSURE DROP)									INTERMITTANT FLOW RATE (GPM < 2.5psi PRESSURE DROP)	BACKWASH FLOW RATE (GPM)
MTS2- CF / TANK	Total CF	HARDNESS (GRAINS PER GALLON)								
		10	15	20	25	30	40	50		
85TA-75	1.5	9	6	5	4	3	2	2	13.8	1.5
85TA-100	2.0	13	8	6	5	4	3	3	14.5	2.0
85TA-150	3.0	15	15	13	10	8	6	5	14.7	2.4
85TA-200	4.0	16	16	16	15	13	9	8	15.8	3.5
85TA-250	5.0	16	16	16	16	16	13	10	15.9	4.0
85TA-300	6.0	16	16	16	16	16	16	13	16.1	5.0
8TTA-400	8.0	17	17	17	17	17	17	17	16.5	7.0

6 lbs Per Cubic Foot

CONTINUOUS FLOW RATE (GPM < 1.5psi PRESSURE DROP)								
MTS2- CF / TANK	Total CF	HARDNESS (GRAINS PER GALLON)						
		10	15	20	25	30	40	50
85TA-75	1.5	9	6	5	4	3	2	2
85TA-100	2.0	11	8	6	5	4	3	3
85TA-150	3.0	11	11	9	8	6	5	4
85TA-200	4.0	12	12	12	10	8	6	5
85TA-250	5.0	12	12	12	12	10	8	6
85TA-300	6.0	12	12	12	12	12	9	8
8TTA-400	8.0	13	13	13	13	13	13	11

PEAK CONTINUOUS FLOW RATE (GPM < 2.5psi PRESSURE DROP)									INTERMITTANT FLOW RATE (GPM < 2.5psi PRESSURE DROP)	BACKWASH FLOW RATE (GPM)
MTS2- CF / TANK	Total CF	HARDNESS (GRAINS PER GALLON)								
		10	15	20	25	30	40	50		
85TA-75	1.5	9	6	5	4	3	2	2	13.8	1.5
85TA-100	2.0	13	8	6	5	4	3	3	14.5	2.0
85TA-150	3.0	15	15	13	10	8	6	5	14.7	2.4
85TA-200	4.0	16	16	16	15	13	9	8	15.8	3.5
85TA-250	5.0	16	16	16	16	16	13	10	15.9	4.0
85TA-300	6.0	16	16	16	16	16	16	13	16.1	5.0
8TTA-400	8.0	17	17	17	17	17	17	17	16.5	7.0

10 lbs Per Cubic Foot

CONTINUOUS FLOW RATE (GPM < 1.5psi PRESSURE DROP)								
MTS2- CF / TANK	Total CF	HARDNESS (GRAINS PER GALLON)						
		10	15	20	25	30	40	50
85TA-75	1.5	9	6	5	4	3	2	2
85TA-100	2.0	11	8	6	5	4	3	3
85TA-150	3.0	11	11	9	8	6	5	4
85TA-200	4.0	12	12	12	10	8	6	5
85TA-250	5.0	12	12	12	12	10	8	6
85TA-300	6.0	12	12	12	12	12	9	8
8TTA-400	8.0	13	13	13	13	13	13	11

PEAK CONTINUOUS FLOW RATE (GPM < 2.5psi PRESSURE DROP)									INTERMITTANT FLOW RATE (GPM < 2.5psi PRESSURE DROP)	BACKWASH FLOW RATE (GPM)
MTS2- CF / TANK	Total CF	HARDNESS (GRAINS PER GALLON)								
		10	15	20	25	30	40	50		
85TA-75	1.5	9	6	5	4	3	2	2	13.8	1.5
85TA-100	2.0	13	8	6	5	4	3	3	14.5	2.0
85TA-150	3.0	15	15	13	10	8	6	5	14.7	2.4
85TA-200	4.0	16	16	16	15	13	9	8	15.8	3.5
85TA-250	5.0	16	16	16	16	16	13	10	15.9	4.0
85TA-300	6.0	16	16	16	16	16	16	13	16.1	5.0
8TTA-400	8.0	17	17	17	17	17	17	17	16.5	7.0

BAF Series

World Most Efficiency Water Softener

Chemical Free Iron Filter Remove Stubborn Iron Without Chemicals

The BAF Chemical Free Iron Filter is not only very low maintenance but also regenerates less frequently than traditional iron filters using up to 50% less water. Natural oxidation removes iron without chemicals, air pumps or venturi's.

Incoming raw water passes through a compressed pocket of air contained in the first tank. The air precipitates the iron into solid form and is removed when it passes through the filters birm media bed contained in the second tank. Birm acts as a catalyst in the reaction between iron and oxygen that also causes the iron to precipitate into a solid.



Features:

- Natural oxidation removes iron without chemicals, air pumps or a venturi Low maintenance two tank system.
- Regenerate less frequently than traditional iron filters using up to 50% less water than manganese greensand filters.
- Exclusive NSF Certified electronic control valve with Two year warranty featuring proven piston, seal & spacer technology.
- Fully adjustable cycles allow customization to the most efficient settings based on specific water quality requirements.
- A 'No Touch' rotating LCD information display continuously displays real time performance data: time/date, capacity, last regeneration date, volume remaining (gallons), current flow rate, peak flow rate, regeneration time.
- Meter Immediate, Meter Delayed, Meter with Day Override, Vacation and Calendar Clock mode.
- Energy efficient.
- NSF Certified fibreglass pressure tank with lifetime warranty.
- Unique precision turbine meter is incorporated in system bypass valve saving space over 4" of floor space.
- Time saving quick connect fittings on brine line, drain line (with o-ring seal) and power cord for fast and easy installations.



No confusing codes or symbols.

Model No.	Media Volume	Flow Rate (GPM)			Mineral Tank Size	Air Contact Tank	Pipe Size Inches	G.W
		Service	Peak	Backwash				
CAN565BAF-100	28L	3.0	5.0	5.0	10x44	08x44	1/2", 3/4", 1"	45.50kgs
CANA565BAF-150	42L	4.0	8.0	5.0	10x54	10x54	1/2", 3/4", 1"	91.25kgs

Faucet Water Purification Machines



Specifications:

- More than 99.9% reduction of Harmful bacteria (Coliform, cholera and Salmonella)
- More than 99.9% interception of Protozoan cysts (Giardia lamblia and Cryptosporidium)
- More than 99.9% removal of rust, deposits and suspended solids.
- More than 99.9% reduction of turbidity
- 99.9% Absolute Filtration (0.90 μm) rate
- 99.9% General Filtration (0.80 – 0.30 μm) rate

Cartridge Features:

The ceramic cartridges, which made from one hundred percent natural raw material without any artificial materials, never contaminate the filtration process.

Diatoms ceramic particles are very tiny, and have a 99.9% absolute filtration rate. The particulate can prevent bacterial growth by adding silver, and its solid structure can make silver never dissolve into water. Clean, great tasting treated water can be drunk directly without boiling.

Diatoms ceramic has a high quality performance. It can be cleaned with brush to remove the blocked surface and make new cartridge surface with recovered filtration performance. The cartridge has a solid jacket which can operate under a demanding high water pressure without burst and contamination.



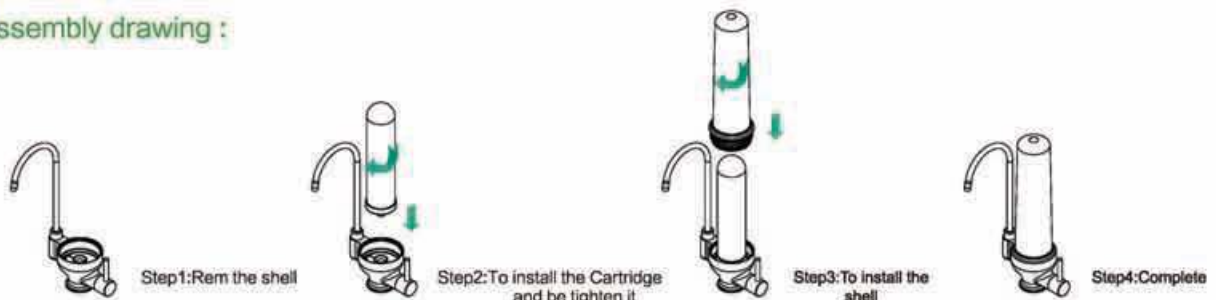
The basic



Other Customization

Technical Data	
Size:	4 " and 8 "
Water Pressure:	1 bar ~ 4 bar
Flow Rate:	2 L/min ~ 7 L/min (Depending on operating conditions of cartridge)
Water Temperature:	5 °C ~ 38 °C
Net Weight:	1.25 Kg.
Dimension(W*D*H)	302*144*77 (mm) 216*144*77 (mm)
Packing Size(W*D*H)	410*295*100 (mm)

Assembly drawing :





FRESH IDEAS FOR YOUR HOME



Reverse Osmosis

**H**

Adopts advanced Reverse Osmosis membrane technology with 5 stages of purification to remove chlorine, minerals, heavy metals, pesticides, and organics.

Reverse Osmosis System



Advantages:



1. Cartridge Housing: PP+Fiberglass.
Burst pressure:3.5Mpa



2. Booster Pump: GF Brand; E-Chen Brand



3. Canature Membrane; Membrane sheet imported form USA



4. Connection: Quick Connect adaptors.
Easy to Install and maintenance. Avoid Leaking



5. Solenoid Valve: SEOKJIN from Korea



6. Switching power supply:safe & stable



7. High quality metal rack.
N:1490g.All SS nut.



8. Patented high pressure switch
to avoid leaking



9. 15 seconds post-flush.Better
to protect the RO membrane.

Reverse Osmosis System

"One Stop Purchase" this is the advantage of Canature, Water softeners, pressure tanks and multi-port control valves are the key products of Canature, but recently years, Canature invested a lot to develop our Reverse Osmosis system and cartridges, and this is one of our another key products. We did make some improvements. Our RO system and membranes win good reputation in Chinese and International markets because of their high quality and reasonable prices.

The Concept of Canature Water Saving RO system



Circumfluence the concentrated water, improve the recycle rate.



Scientifically recycle, according the standard of Dow Laboratory, when TDS value less than 2000, it will not shorten the lifespan of the RO membrane, Canature new water saving RO system set the TDS value to 1000, when the TDS value is less than 1000, the water will be recycled, if over than 1000, it will go to the drain.

Adopts advanced Reverse Osmosis membrane technology with 5 stages of purification to remove chlorine, minerals, heavy metals, pesticides, and organics.



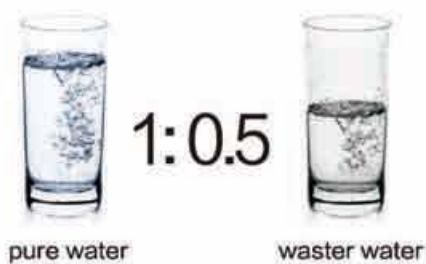
New faucet with 2 inlet connection, offer 2 kinds of water, one is Pure water for drinking, one is recycle water for daily water using. Make full use of the water, more save.



Canature water saving RO system VS Traditional RO system.

(Saving Water Over 60% Than traditional RO system)

- Canature new water saving RO system (Pure Water VS Waste Water is 1:0.5)
- Traditional RO system (Pure water VS Waste Water is 1:3)



Under-Sink Types



Glass Touch Screen



Model No.	BNT-RO102 (75G,JS)	BNT-RO110 (400G,JS)
Advantages:	1) Saving water over 60%; 2) Supply 2 kinds of water; 3) Cartridges replacement alarming.	1) Saving water over 60%; 2) Supply 2 kinds of water; 3) Cartridges replacement alarming. 4) Without storage tank.
Flow Rate	75GPD	400GPD
Dimension	399*189*468mm	410*187*490mm

Wall-Mounting Types



Model No.	BNT-RO207 (75G,JS)
Advantages:	1)Wide Screen Display, nice design, wireless connection; 2)Patented Unique Structure Design 3)Saving water over 60% 4)Cartridge replacement alarming.
Flow Rate	75GPD
Dimension	394*157*485mm



Model No.	BNT-RO208 (400G,JS)
Advantages:	1)Wide Screen Display, nice design, wireless connection; 2)Patented Unique Structure Design 3)Saving water over 60% 4)Cartridge replacement alarming. 5)Without storage tank.
Flow Rate	400GPD
Dimension	394*218*485mm

Integrate Reverse Osmosis System

Features

- 50GPD reverse osmosis system
- Ultra-low power consumption
- Dimension: 380mm in length, 139mm in width, 403mm in height;
- Integrate cartridge mount design
- Twist cartridge mounting, easy for replacement
- Auto water cut off when cartridge taken out
- Optional stabilized pressure pump, 0.3MPa constant pressure
- Built-in four-port valve to auto-switch raw water on-off, and prevent overpressure damages, such as water hammer
- Built-in check valve to prevent membrane from backpressure damage
- Magnetic cover design, easy for cartridge replacement



Product Name	Integrate Reverse Osmosis System
Inlet Water	Municipal Water
Optimum inlet pressure	0.2-0.3MPa
Ambient temperature	4-38°C
Flow rate	≥120ml/min;
Nominal capacity	50GPD
Certificates	MOH sanitary permit, NSF
Dimension	(Length × Width × Height) 380*139*403mm
Salt rejection rate	≥90%
Optional accessory	Stabilized pressure pump



Adopts advanced Reverse Osmosis membrane technology with 5 stages of purification to remove chlorine, minerals, heavy metals, pesticides, and organics.

BNT-RO-C06



	BNT-RO50-C06	BNT-RO75-C06
Model	BNT-RO50-C06	BNT-RO75-C06
Flow Rate	50GPD(7.8L/H)	75GPD (11.7L/H)
Booster Pump	50G	75G
Membrane Style	Dry	Dry
Flush	Auto	Auto
PP Cartridge	10" * 2	10" * 2
UDF	10"	10"
RO membrane	★	★
Post AC Cartridge	★	★
Pressure Storage tank	3 Gallon, PE	3 Gallon, PE
Working Pressure	0.1-0.4 MPa	0.1-0.4 MPa
Working Temperature	5°C-38°C	5°C-38°C
Rating Power	24W	24W
N.W	3.5kgs/1pc	3.5kgs/1pc
G.W	11.2kgs/1pc	11.2kgs/1pc
	47.34kgs/4pcs	47.34kgs/4pcs
Dimension	150 × 410 × 436	150 × 410 × 436
Packing Size (1pc)	440 × 360 × 340	440 × 360 × 340
Packing Size (4pcs)	740 × 460 × 715	740 × 460 × 715

BNT-RO-C05



	BNT-RO50-C05	BNT-RO75-C05
Model	BNT-RO50-C05	BNT-RO75-C05
Flow Rate	50GPD(7.8L/H)	75GPD (11.7L/H)
Booster Pump	50G	75G
Membrane Style	Dry	Dry
Flush	Auto	Auto
PP Cartridge	10" * 2	10" * 2
UDF	10"	10"
RO membrane	★	★
Post AC Cartridge	★	★
Pressure Storage tank	3 Gallon, PE	3 Gallon, PE
Working Pressure	0.1-0.4 MPa	0.1-0.4 MPa
Working Temperature	5°C-38°C	5°C-38°C
Rating Power	24W	24W
N.W	6.88kgs/1pc	6.88kgs/1pc
G.W	11.28kgs/1pc	11.28kgs/1pc
	47.68kgs/4pcs	47.68kgs/4pcs
Dimension	422 × 200 × 467	422 × 200 × 467
Packing Size (1pc)	485 × 365 × 320	485 × 365 × 320
Packing Size (4pcs)	750 × 505 × 675	750 × 505 × 675

BNT-RO-C04



	BNT-RO50-C04	BNT-RO75-C04
Model	BNT-RO50-C04	BNT-RO75-C04
Flow Rate	50GPD(7.8L/H)	75GPD (11.7L/H)
Booster Pump	50G	50G
Membrane Style	Dry	Dry
Flush	Auto	Auto
PP Cartridge	10" * 2	10" * 2
UDF	10"	10"
RO membrane	★	★
Post AC Cartridge	★	★
Pressure Storage tank	3 Gallon, PE	3 Gallon, PE
Working Pressure	0.1-0.4 MPa	0.1-0.4 MPa
Working Temperature	5°C-38°C	5°C-38°C
Rating Power	24W	24W
N.W	6.04kgs/1pc	6.04kgs/1pc
G.W	10.05kgs/1pc	10.05kgs/1pc
	44.60kgs/4pcs	44.60kgs/4pcs
Dimension	380 × 178 × 450	380 × 178 × 450
Packing Size (1pc)	485 × 365 × 320	485 × 365 × 320
Packing Size (4pcs)	750 × 505 × 675	750 × 505 × 675

BNT-RO-C30



	BNT-RO50-C30	BNT-RO75-C30
Model	BNT-RO50-C30	BNT-RO75-C30
Flow Rate	50GPD(7.8L/H)	75GPD (11.7L/H)
Booster Pump	50G	75G
Membrane Style	Dry	Dry
Flush	Auto	Auto
PP Cartridge	10" * 2	10" * 2
UDF	10"	10"
RO membrane	★	★
Post AC Cartridge	★	★
Pressure Storage tank	3 Gallon, PE	3 Gallon, PE
Working Pressure	0.1-0.4 MPa	0.1-0.4 MPa
Working Temperature	5°C-38°C	5°C-38°C
Rating Power	24W	24W
N.W	6.32kgs/1pc	6.32kgs/1pc
G.W	11.4kgs/1pc	11.4kgs/1pc
	48.2kgs/4pcs	48.2kgs/4pcs
Dimension	380 × 178 × 450	380 × 178 × 450
Packing Size (1pc)	485 × 365 × 320	485 × 365 × 320
Packing Size (4pcs)	750 × 505 × 675	750 × 505 × 675

BNT-RO-C10



	BNT-RO200-C10	BNT-RO400-C10
Model	BNT-RO200-C10	BNT-RO400-C10
Flow Rate	200GPD(30L/H)	400GPD (60L/H)
Booster Pump	200G	400G
Membrane Style	Dry	Dry
Flush	Auto	Auto
PP Cartridge	10" * 2	10" * 2
UDF	10"	10"
RO membrane	★	★
Post AC Cartridge	★	★
Pressure Storage tank	/	/
Working Pressure	0.1-0.4 MPa	0.1-0.4 MPa
Working Temperature	5℃-38℃	5℃-38℃
Rating Power	24W	24W
N.W	6.64kgs/1pc	6.64kgs/1pc
G.W	11.72kgs/1pc	11.72kgs/1pc
	49.26kgs/4pcs	49.26kgs/4pcs
Dimension	390 × 178 × 482	390 × 178 × 482
Packing Size (1pc)	485 × 365 × 320	485 × 365 × 320
Packing Size (4pcs)	750 × 505 × 675	750 × 505 × 675



Quick-Change RO System



Features:

- Disposable Cartridge. easy to installation and maintenance.
- 4- Stages purification. offer high quality pure water
- Unique design patented Cartridge Housing
- Flexible Choice



Model No.	BNT-RO101-75G	BNT-RO101-100G	BNT-RO101-400G
Flow Rate	75GPD	100GPD	400GPD
Booster Pump	75G	100G	400G
RO Membrane	75G $\phi 85 \times 346$ mm	100G $\phi 85 \times 346$ mm	400G $\phi 110 \times 346$ mm
Flush	Auto	Auto	
PP Cartridge	$\phi 110 \times 346$ mm	/	$\phi 85 \times 346$ mm
UF Cartridge	/	0.3T $\phi 110 \times 346$ mm	/
GAC Cartridge	$\phi 85 \times 346$ mm	$\phi 85 \times 346$ mm	$\phi 85 \times 346$ mm
Post AC Cartridge	$\phi 85 \times 346$ mm	$\phi 85 \times 346$ mm	$\phi 85 \times 346$ mm
Pressure Storage Tank	3.0G PE	3.0G PE	W/O
Working Pressure	0.1-0.4MPa	0.1-0.4MPa	0.1-0.4MPa
Working Temperature	5°C-38°C	5°C-38°C	5°C-38°C
Rating Power	24 W	24 W	50 W
Dimension	433*147*443mm	433*147*443mm	433*147*443mm

CAN 400 Reverse Osmosis

"BNT-RO400-C11"

LIGHT COMMERCIAL REVERSE OSMOSIS SYSTEM

Overview

Canature has dedicated professional engineers with decades of commercial water treatment experience. Over the years, they have built a reputation for designing efficient, and high quality water purification systems.

Our CAN 400 RO system is an affordable solution for applications up to 400 gallons per day and removes up to 98% of total dissolved solids in raw feed water.



Operating Parameters

- Maximum operating pressure: 120 psi
- Nominal recovery: 33% to 50%
- Nominal salt rejection: 96-98%
- Operating temperature: 33-100° F
- Design temperature: 77° F
- Minimum inlet pressure: 20 psi

Materials of Construction

- Frame: Powder coated carbon steel
- Membrane element: TFC 400 GPD
- Membrane housings: GF Polypropylene
- Tubing: High Density Polyethylene

Pump and Motor

- 115V / 230V — 24VAC 60 Hz diaphragm pump

Standard Features

- Electronic controller
- 10" 5-micron sediment pre-filter
- 10" GAC pre-filter
- Air purge on start up
- Automatic inlet shut-off valve
- Automatic feed water flush
- Low pressure pump protection
- Dual purpose wrench for use on membrane cap and filter housing

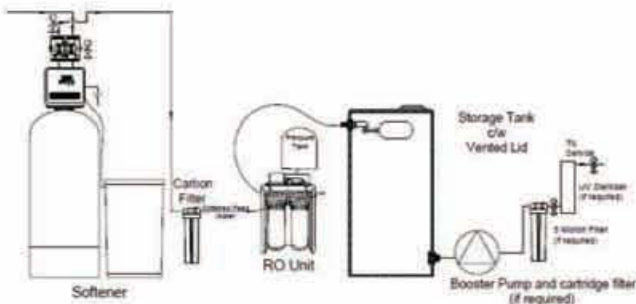
For Applications Such As

Boiler Treatment — Spot-free Rinse — Ice Making — Greenhouses — Research and Medical Labs — Process Make-up Water
Humidification — Ion exchange Pre-treatment — Bottle Water — Food and Beverage Processing

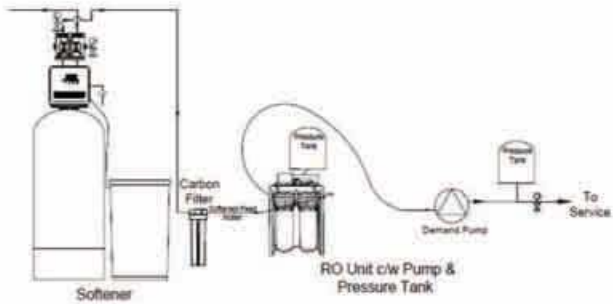
Engineered Systems

Recommended Installations

Storage Tank With Re-Pressurization



Pressurized Storage



Storage Tank Systems (Constant Pressure Pump)

Item	Description	Dimensions HxWxD Inches	Float Switch	Pump Size 1	Pump Flow Rate
70050221	100 US Gallon Storage	49x20x30	Yes	3/4 HP	12 gpm @ 30 psi
70050223	180 US Gallon Storage	60x25x34	Yes	3/4 HP	12 gpm @ 30 psi
70050225	240 US Gallon Storage	51x49x29	Yes	3/4 HP	12 gpm @ 30 psi
70050227	360 US Gallon Storage	75x49x29	Yes	3/4 HP	12 gpm @ 30 psi
70050229	480 US Gallon Storage	82x42x42	Yes	3/4 HP	12 gpm @ 30 psi

1. Optional 1 HP pump available. 14 gpm @ 30 psi.

RO Storage Tanks

Item	Description	Dimensions HxWxD	Tank Volume	Total Drawdown		
70021000	14 GAL RO STORAGE TANK	22x16x16	14 Gal	5.6	4.8	4.1
70021001	20 GAL RO STORAGE TANK	29x16x16	20 Gal	8.1	6.8	5.9
70021005	44 GAL RO STORAGE TANK	36X21X21	14 Gal	17.7	15	13
70031000	Tank Fitting Assembly					

Specifications

Model	Max. Permeate Flow 1	Recovery %	Rejection 2	Qty Membranes	Operating Pressure	Dimensions HxWxD Inches	Connections	Voltage
CAN 400	400 GPD	33% - 50%	> 98%	1	120 PSI	18 X 11 X 9	3/8 TUBE	115V

1 The maximum permeate flow as defined by the membrane specifications and the feed water conditions of 2,000 ppm NaCl, 77 deg. F, 200 psi operating to atmosphere.
2 TDS rejection and water recovery are variable and can be affected by temperature and feed water conditions

FEED WATER GUIDELINES	
FEED WATER PRESSURE	20 - 50 PSI
TEMPERATURE	33 F - 100 F
PH	3.0 -11.0
MAX. TDS	2,500 MG/L
TURBIDITY	< 1.0 NTU
MAX SDI	<5.0
HARDNESS	< 5 GPG
IRON	<0.1
MANGANESE	<0.05
HYDROGEN SULFIDE	Zero
ORGANICS	Zero
CHLORINE	Zero
OIL (HYDROCARBONS)	Zero

RO Membrane

Advantages of Canature RO membrane:

- High quality raw material control, imported membrane sheet, filter screen, glue and Y ring, all NSF certified.
- Own tooled and manufactured ABS central tube to control the quality.
- High salt Rejection $\geq 96\%$
- Using the automatic reel membrane equipment consistent quality, stable and reliable
- 100% product testing before delivery.
- Production environment is dust-free and with constant temperature and humidity.
- Rolling the membrane by machine, the membrane become tight, perform filtration effect evenly.

Imported DOW and GE membrane with original packing

Safe product

NSF certified parts: membrane sheets, filter screen, glue



Salt Rejection
 $\geq 96\%$



Using the automatic RO membrane testing equipment, membranes are tested to ensure they receive a 100% pass to meet the high quality product demands.



Membrane Pretreatment Machine
(Imported from South Korea)



Rolling Membrane Machine
(Imported from South Korea)



Vacuum Testing Device
(100% non destructive testing)

RO Membrane

RO Membrane Specification Sheet

Residential RO


Model No.	Testing Pressure	Flow Rate	Average NaCL Rejection	Recovery Rate	Dimension				Membrane type	Max Working Temperature	Max Working Pressure	Max Pressure Drop	PH value Continuous	PH Value Short Flush	Allowed Free Chlorine
					A	B	C	D							
CN-1812-30	60PSI	30GPD	> 96%	> 25%	298mm	30mm	17mm	45mm	DRY	45°C	200	2.0bar	2-11	1-13	< 0.1ppm
CN-1812-50	60PSI	50GPD	> 96%	> 25%	298mm	30mm	17mm	45mm	DRY	45°C	200	2.0bar	2-11	1-13	< 0.1ppm
CN-1810-50	60PSI	50GPD	> 96%	> 25%	298mm	30mm	17mm	45mm	DRY	45°C	200	2.0bar	2-11	1-13	< 0.1ppm
CN-1810-75	60PSI	75GPD	> 96%	> 25%	298mm	30mm	17mm	45mm	DRY	45°C	200	2.0bar	2-11	1-13	< 0.1ppm
CN-1812-75	60PSI	75GPD	> 96%	> 25%	298mm	30mm	17mm	45mm	DRY	45°C	200	2.0bar	2-11	1-13	< 0.1ppm
CN-1812-100	60PSI	100GPD	> 96%	> 25%	298mm	20mm	17mm	45mm	DRY	45°C	200	2.1bar	2-11	1-13	< 0.1ppm

Commercial RO

Model No.	Testing Pressure	Flow Rate	Average NaCL Rejection	Recovery Rate	Dimension				Membrane type	Max Working Temperature	Max Working Pressure	Max Pressure Drop	PH value Continuous	PH Value Short Flush	Allowed Free Chlorine
					A	B	C	D							
CN-2012-100	60PSI	100GPD	> 95%	> 25%	298mm	20mm	17mm	50mm	DRY	45°C	300	2.1bar	2-11	1-13	< 0.1ppm
CN-2012-150	60PSI	150GPD	> 95%	> 25%	298mm	20mm	17mm	50mm	DRY	45°C	300	2.1bar	2-11	1-13	< 0.1ppm
CN-2812-200	60PSI	200GPD	> 95%	> 25%	298mm	20mm	17mm	71mm	DRY	45°C	300	2.1bar	2-11	1-13	< 0.1ppm
CN-2813-300	60PSI	300GPD	> 95%	> 25%	334mm	20mm	17mm	71mm	DRY	45°C	300	2.1bar	2-11	1-13	< 0.1ppm
CN-3013-400	60PSI	200GPD	> 95%	> 25%	334mm	20mm	17mm	75mm	DRY	45°C	300	2.1bar	2-11	1-13	< 0.1ppm



Carbon Cartridges

Picture	Part Number	Description	Specification	Packing
	41904031	10" GAC	Granularity: 20-30 mesh, Iodine Number: 900	25pcs/ctn
	41904033	T33 post carbon cartridge (small)	Granularity: 20-30 mesh, Iodine Number: 900 Dimnsion: Φ53 *258mm	25pcs/ctn
	41904032	T33 post carbon cartridge (large)	Granularity: 20-30 mesh, Iodine Number: 900 Dimnsion: Φ66 *288mm	25pcs/ctn
	41904030	10" GAC	Iodine Number: 350-400	25pcs/ctn

Performance:

Max Flow: 1GPM (3.8L/min)

Max Pressure: 125 psi

Internal Pressure: 450psi

Max Temperature: 38°C

At present, the annual output potential for RO membrane cartridges is 500,000 while the filter cartridges can achieve 1 million units.



UF System



Model	BNT-KC01-Z04T	BNT-UF 302
Part Number	40214002/40214003	40213011/40213012
Flow Rate	0.1 CBM/H	0.5 CBM/H
Cartridge Lifespan	2000L	5000L
Optional Colors	White, Champagne	White, Champagne
Cartridge Type	Carbon, 250g	0.01 μm UF membrane
Working Pressure	0.1-0.4MPa	0.1-0.4MPa
Working Temperature	4C-38C	5C-38C
Inlet/outlet	G 1/4" quick connection	G 1/4" quick connection
N.W	1.57kgs	1.40kgs
Dimension	102*94*350mm	102*94*350mm



Model	BNT-UF 304
Part Number	40203013/40203014
Flow Rate	0.5 CBM/H
Cartridge Lifespan	2000L
Optional Colors	White, Champagne
Cartridge Type	Carbon, 250g
Working Pressure	0.1-0.4MPa
Working Temperature	4C-38C
Inlet/outlet	G 1/4" quick connection
N.W	2.3kgs
Dimension	102*94*350mm

UF System



Model	BNT-UF 301
Flow Rate	0.50CBM/H
PP Cartridge	10" * 2
UDF	10"
Post AC Cartridge	T33
Working Pressure	0.1-0.4MPa
Working Temperature	5C-38C
Rating Power	24W
Dimension	385 × 132 × 381 mm



Model	BNT-UF 303
Flow Rate	0.50CBM/H
PP Cartridge	10" * 2
UDF	10"
Post AC Cartridge	T33
Working Pressure	0.1-0.4MPa
Working Temperature	5C-38C
Rating Power	24W
Dimension	385 × 132 × 417 mm



FRESH IDEAS FOR YOUR HOME

Brine Tanks/Brine Valves / Brine Wells

I

Heavy duty, variety and stackable. Available from 25L to 2000L, round and square, grey, black, blue, almond and white colors are available to comply with your softener system.

Brine Tanks/Brine Tanks Accessories

Residential brine tanks are available in 25L, 70L, 100L, 140L, 145L and 200L, round and square style, grey, black, blue, almond and white colors.

Commercial and industrial brine tanks are available in 350L, 500L, 750L, 1000L, 1500L, 2000L.








Brine Tanks



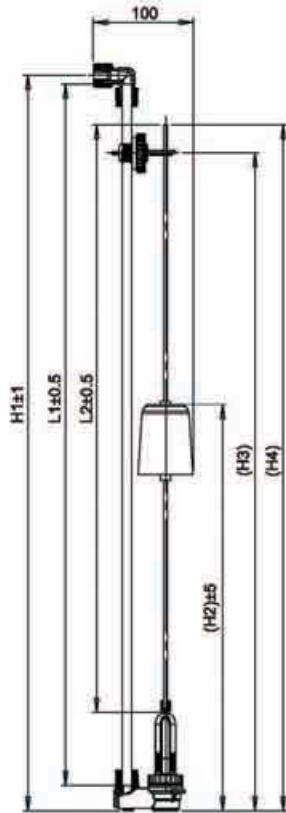
Specifications					
Model	BTR-25	BTR-70	BTR-100	BTR-145	BTR-200L
Volume	25L	70L	100L	145L	200L
Brine Tank Size(D*H)	Φ285*440mm	Φ400*815mm	Φ460*875mm	Φ516*950mm	Φ585*1040mm
Plastic Bag Packing(W*D*H)	285*285*440mm	405*405*1530mm	460*460*1645mm	535*535*1815mm	615*615*2160mm
Carton Box Packing(W*D*H)	300*300*480mm	425*425*1550mm	480*480*1665mm	555*555*1835mm	615*615*2180mm
Packing	1 pcs/pack	5 pcs/pack	5 pcs/pack	5 pcs/pack	5 pcs/pack
Standard Specification	Brine well	Brine well, grid	Brine well, grid	Brine well, grid	Brine well, grid
Colour(optional): The minimum order is 500pcs.	light grey	black	blue	white	Almond

Brine Tanks

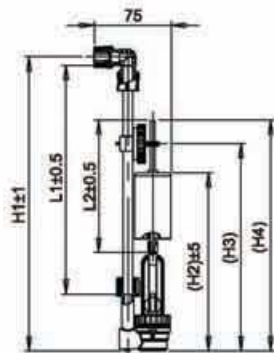


Specifications					
Model	BTS-70	BTS-90	BTS-100	BTS-140	
Volume	70L	90L	100L	140L	
Brine Tank Size(D H)	332*332*880mm	339*394*870mm	382*382*880mm	582*362*904mm	
Plastic Bag Packing(W D H)	345*345*1555mm	339*394*870mm	405*405*1530mm	600*375*1650mm	
Carton Box Packing(W D H)	365*365*1575mm	355*410*890mm	425*425*1550mm	630*410*1680mm	
Packing	5 pcs/pack	1 pc/pack	5 pcs/pack	5 pcs/pack	
Standard Specification	Brine well grid	Brine well	Brine well, grid	Brine well, grid	
Colour(optional): The minimum order is 500pcs.	light grey 	black 	Blue 	white 	Almond 

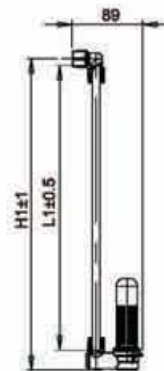
Brine Valves/Air Checks /Brine Wells



D4XX brine valve Series



02XX brine valve Series



J-Tube Series



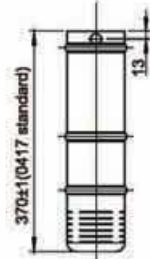
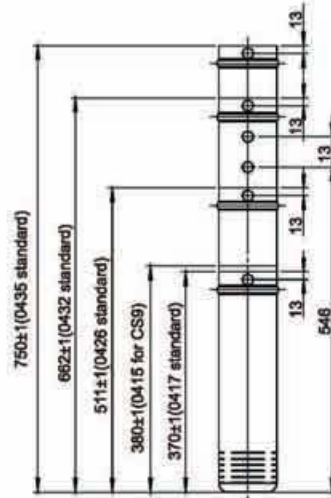
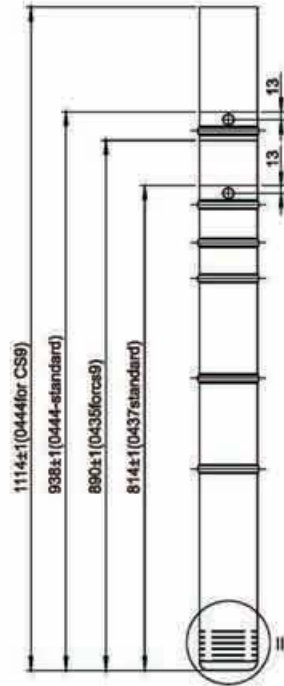
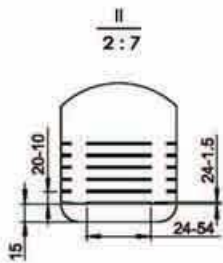
Safety brine valve



air-Check

Description	HI	H2	H3	H4	3/8"ABS pipe	4mm plast pipe	part NO.	Material
0213	Brine Valve	288.5	180	233	242	225	145	07010044
	Brine Valve	311.5	203	256	265	248	165	02150010
0217	Brine Valve	327	220	263	287	263.5	184	07010062
0222	Brine Valve	524.5	270	442	473	460	370	07010093
0235	Brine Valve	764	370	650	675	700	578	07010076
0417	Brine Valve	345	225	270	295	311.5	198	07010013
	J-Tube	/	/	/	/		07010029	
0424	Brine Valve	423	240	360	395	405	293	07010106
0426	Brine Valve	488.5	260	418	450	455	345	07010094
0432	Brine Valve	635	335	550	595	595	495	07010091
0435	Brine Valve	725	370	650	675	691.5	578	07010014
	J-Tube	/	/	/	/		07010030	
0437	Brine Valve	790	405	715	740	756.5	643	07010058
	J-Tube	/	/	/	/		07010059	
0444	Brine Valve	913	465	820	863	879.5	766	07010045
	J-Tube	/	/	/	/		07010070	
790MM	Brine Valve	765	390	690	715	731.5	618	07010100
900MM	Brine Valve	933	380	660	695	900	592	07010105
0415(CS9A)	Brine Valve	427	230	350	360	394	255	07010082
0435(CS9A)	Brine Valve	943	465	820	863	910	766	07010081
0444(CS9A)	Brine Valve	1167	465	820	863	1134	766	07010080
0435(CS11)	Brine Valve	810	370	630	682	778	578	07010109
0426(CS11)	Brine Valve	586	270	435	475	555	370	07010108
GE	Brine Valve	695.2	/	/	631	664	533	0432
	J-Tube	/	/	/	/			

ABS/PE



Brine Well

Description	Part NO	Length
0417 Brine Well	07030054W	370 ± 1
0426 Brine Well	07030257W	511 ± 1
0432 Brine Well	07030252W	662 ± 1
0432 (GE) Brine Well	07030125W	662 ± 1
0435 Brine Well	07030055W	750 ± 1
0437 Brine Well	07030106W	814 ± 1
0444 Brine Well	07030095W	938 ± 1
0415 Brine Well (CS9A)	07030214W	380 ± 1
0435 Brine Well (CS9A)	07030213W	890 ± 1
0444 Brine Well (CS9A)	07030212W	1114 ± 1

Brine Grids

Characters:

- Unique design
- Brine grid legs can be taken off.
- Easy to assemble and save transportation space





Specifications

Model	GR-70	GR-100	GR-145	GR-200
Part Number	07030112	07030114	07030099	07030280
Dimension(mm)	Φ320 × 120	Φ350 × 120	Φ400 × 120	Φ540 × 160
Main Material	HDPE	HDPE	HDPE	HDPE



GS-70



GS-100

Specifications

Model	GS-70	GS-100
Part Number	07030111	07030113
Dimension(mm)	290 × 290 × 120	330 × 330 × 120
Main Material	HDPE	HDPE

Brine Tank And Accessories

Commercial and industrial brine tanks are available in 350L, 500L, 750L, 1000L, 1500L, 2000L.



Φ390×H810mm

Φ450×H940mm

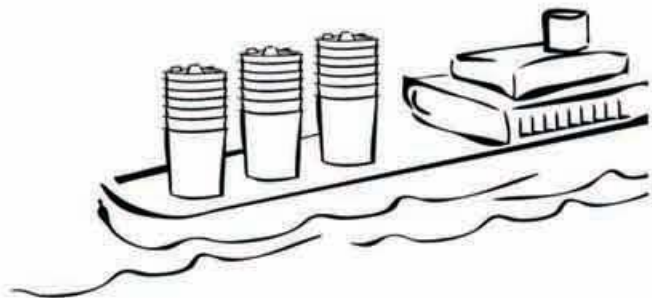
Φ500×H1060mm

Φ550×H1160mm

Φ1080×H1460mm



Stacked one by one
Save over **70%** freight



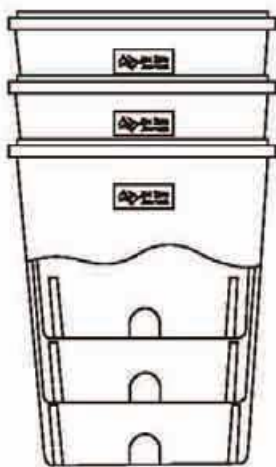
Advantages:

1: Due to conic body, brine tanks can be packed one by one to any height, which saves over 70% freight for the buyers.

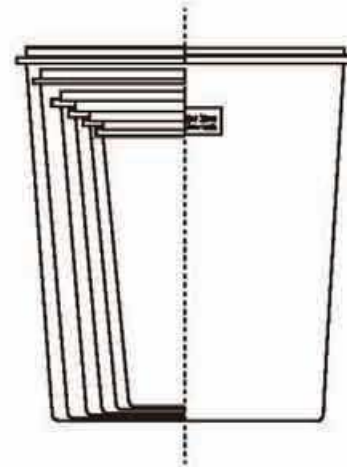
2: For brine tanks 350L~2000L, each tank is designed with a small lid on a large cover. It is more convenient for user to put salt into the tank.

3: For brine tanks 350~2000, the salt well in the tank is extended upward to the top of the large cover, so that the effective capacity of the salt solution is increased by over 15%.

4: For new exterior design and precise mould, the quality of product has been greatly improved.



Packed in the same specification



Packed in the different specification

S/N	Model	Volume	Brine Tanks Size (D*H)	Brine Wells Size (D*H)	Thickness	Color(Optional)	Drain
1	JS/YT-60I	60L	Φ390×H810mm	Φ100×H720mm	4mm	white/blue	No
2	JS/YT-100I	100L	Φ450×H940mm	Φ100×H840mm	4mm	white/blue	No
3	JS/YT-145I	145L	Φ500×H1060mm	Φ100×H950mm	5mm	white/blue	No
4	JS/YT-200I	200L	Φ550×H1160mm	Φ100×H1040mm	5mm	white/blue	No
5	JS/YT-350I	350L	Φ740×H1275mm	Φ135×H1260mm	5mm	white	No
6	JS/YT-500I	500L	Φ840×H1335mm	Φ135×H1320mm	5mm	white	1"
7	JS/YT-750I	750L	Φ960×H1395mm	Φ135×H1380mm	5mm	white	1"
8	JS/YT-1000I	1000L	Φ1080×H1460mm	Φ135×H1430mm	6mm	white	1"
9	JS/YT-1500I	1500L	Φ1240×H1575mm	Φ135×H1550mm	8mm	white	1"
10	JS/YT-2000I	2000L	Φ1360×H1690mm	Φ135×H1650mm	8mm	white	1"



Filter / Membrane Housing

J



About Our Cartridge Filter Housing

Mey—Well'S Cartridge filter housing and bag vessel are used in comercial water treatment and industry liquid treatment around wordwide.

A complete line of filter housings are availabte for selection.They are designed to meet the needs of the most demanding applications.

- Our V-band clamp top closure type housing are economic design. Can accept DOE cartridge with length of 10"/20"30"/40"and in stanllation quantity of 3/4(5)/7/12/22 round;
- Our Swing bolt top closure housing are design and ll-laBUfacture with ASME code U/UM stamp or non—code.Can accept DOE/222 type cartridge with length of 10"20"30"40" and installation quantity of 3/5/7/12/21/36/51...and etc.

Customers can choose from a complete line of single and multi—bag vessels designed to meet the needs of the most demanding applications.

Otr cartridge filter housing and bag vessel application in the industry as below:

- Chemicals and petrochemicals
- dairy
- Drinking water
- Liquid desalination
- Electronics
- Food and Beverage
- Fuel material extraction
- Pharmaceuticals and biotechnology
- Pulp and paper
- wastewater

CARTRIDGE FILTER HOUSING

V-band clamp top closure series

Features and Benefits

- Designed for Industrial & commercial water treatment
- Band V-clamp top closure for quick, easy cartridge replacement
- Side in and side out for easy piping works
- Stainless steel 304/316 material construction for maximum corrosion resistance
- Various pipe fitting options for easy installation
- The cartridge cup adapter can be elimin ate bypass
- Finish with poly coat and electropolished is option
- Accept DOE or 222 fin/flat style filter cartridge
- Length:10", 20", 30", 40"
- Qty:3,4/5, 7,12,22

Housing Specifications

Standard Spec. Item	
Max. Working pressure	150psi (10bar)
Max. Design temperature	212°F(100°C)
Material of construction	Shell: stainless steel 304/316L Shell:O-ring/Seal: BUNA;Available with EPDM, Viton, PTFE, Sillicon
Inlet/Outlet	NPT;BSP, Flange, Victaulic, Tri-clamp ferrule
Finish	
Vent port	1/4"NPT; BSP
Drain port	1/2"NPT; BSP



STAINLESS STEEL SINGLE BAG FILTER

V-band clamp top closure series

Features and Benefits

Design according with economy application
 Side in and bottom out & V-band clamp top closure
 Concave cover with 1/4 NPT for vent or gauge
 Stainless steel 304/316 material construction for maximum corrosion resistance.
 Various pipe fitting options: NPT, BSP, flange, Victaulic, tri-clamp ferrule.
 Finish with glass bead and electropolished is option
 Accept filter bag available with size 1#2#3#4#.
 Adjustable mouting legs for housings different height.

Housing Specifications

Standard Spec. Item	
Max.Working pressure	150psi(10bar)@212°F(100°C)
Max.Design temperature	212°F(100°C)
Material of construction	Shell: Stainless steel 304/316L Shell: O-ring/Seal:BUNA EPDM,Vito,PTFE,Silicon
Inlet/Outlet connection	NPT; BSP, Flange,Victaulic,Tri-Clamp ferrule Finish
Finish	Standard is glassbead; Electropolished is optional. 1/4"NPT; BSP
Vent Port	



MEBH7

STAINLESS STEEL SINGLE BAG FILTER

Swing bolt top closure series

Design according with ASME VIII-1,"U"/"UM" stamp or non-code.
 Side in and bottom out&Swing bolt top closure.
 Plate or casting cover with 1/4"NPT for vent or gauge.
 SS304/316L material construction for maximum corrosion resistance.
 Various pipe fitting options:NPT,BSP,flange,victaulic,tri-clamp ferrule.
 Finish with glass bead and electropolished is option.
 Accept filter bag available with size 1#/2#/3#/4#/
 Adjustable mouting legs for housings different height.

Housing Specifications

Standard Spec. Item	
Max.Working pressure	150psi(10bar)
Max.Design temperature	212°F(100°C)
Material of construction	shell: stainless steel 304/316L shell: O-ring/Seal:BUNA;EPDM,Viton,PTFE,Silicon
Inlet/Outletconnection	NPT;BSP,Flange,Victaulic,Tri-Clamp ferrule
Finish	standard is glass bead;Electro polished is optional.
Vent port	1/4"NPT;BSP



MFBH7

Stainless Steel Membrane Housing

About Our Membrane Housing

Mey-Wells membrane housings are design and manufacture for accept spiral / hollow fiber / ceramic and tuber membranes. Our membrane housing are used in commercial water treatment and industry liquid treatment around worldwide.

Our provide membrane housing meet the needs of the most demanding applications:

- For diameter 2.5"/ 3.8"/4.0"/6.3"/8.0"/8.3", and length 14"/21"/38"/40"membrane housing.
- The housing for 3838/6338/8038 membranes design meet the 3A standard.
- Material of construction of our provide housing with SS304 or SS316L.
- We provide connection available with NPT/BSP thread, Tri-clamp, Victaulic and Flange.
- Our housings F/C port can be with End entry port of Side Entry port.
- Finish with mechanical polish, best roughness can be Ra<0.2, available with electro polish or Poly coat.

Our cartridge filter housing application in the industry as below:

- Commercial water treatment
- Pharmaceutical water treatment
- Dialysis water treatment
- Dairy product
- Food and Beverage
- Mining waste water treatment
- Special separation
- Wine and Brew

SS MEMBRANE HOUSING

2.5"/4.0" diameter series

Features and Benefits

Designed for industrial and commercial water treatment.

Housing pressure rating available with 250psi/300psi/600psi.

Available with variety of closure type housing, such as half clamp/inox sector/tri-clamp/heavy duty tri-clamp/victaulic coupling.

Feed & concentrate port available with end port or side port.

Feed & concentrate port connection available with NPT/BSP, tri-clamp, heavy duty tri-clamp, victaulic coupling.

Stainless steel 304/316L material construction for maximum corrosion resistance.

Surface finish standard is mechanical polish, glass bead/poly coat/and electropolished is option.

Accept 1-4 pcs available with diameter of 2.5"/4.0"and length of 14"/21"/40"standard membrane element.

Housing Specifications

Standard Spec. Item	
Max. Working pressure	250psi/300psi/600psi
Max. Design temperature	203°F (95°C)
Material of housing	Housing body: SS304/316L End cap: SS304/316L O-ring: EPDM
Feed/concentrate connection	NPT; BSP, Flange, Victaulic, Tri-Clamp
Support straps (option)	SS304
Mounting saddles (option)	



2.5 & 4"

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Accessories



Even as small as accessories have passed our most critical quality control process to complete your system.

KDF



KDF55C

Name	KDF
Model	KDF55C
Part No.	16011001
Packing	57pounds / drum



KDF 85C

Name	KDF
Model	KDF85C
Part No.	16011005
Packing	57pounds / drum

Coconut Shell Activated Carbon



Name	GAC
Model	Coconut Shell Activated Carbon
Part No.	16000001
Packing	25kgs/bag
Iodic Value	≥1100mg/G

Softener Salt



Name	Softener Salt
Model	N/A
Part No.	16020016
Packing	10kgs/bag

Canature Resin

Physical Form and Appearance	Yellow or fulvous spherical beads
Polymer Matrix Structure	Polystyrene Divinylbenzene
Functional Groups	R-SO ₃
Ionic Form, as shipped	Na ⁺
Total Exchange Capacity (Na ⁺ form)	≥2 eq/L wet resin ≥4.5 eq/kg dry resin
Structural Moisture Retention (Na ⁺ form)	43-48%
Dissociative Moisture Retention	≤2%
Particle Size Range	+1.2 mm <5%, -0.3 mm <1%
Swelling (Ca ⁺⁺ →Na ⁺)	≤8%
Apparent Wet Density (Na ⁺ form)	0.82-0.83 g/ml
Shipping Density (Na ⁺ form)	800-850 kg/m ³
Maximum Operating Temperature (Na ⁺ form)	≤140°C
pH Range, Stability	0-14
Dissolution of Organic Matter (COD)	≤1 mg/L
Color	≤25°



Name	Model	Part No.	Packing
Resin	Canature	16020408	25L/bag

PUROLITE Resin

Name	Model	Part No.	Packing
Resin	Purolite C-100EFG	16020401	25L/bag



ROHMHAAS Resin



Name	Model	Part No.	Packing
Resin	Amberlite SR1L Na	16020406	25L/bag



For use in water softening applications

Canature Fine Mesh Resin

001x8FM is a high purity premium grade, high capacity, gelular, sulfonated, polystyrene cation resin supplied in the sodium or hydrogen form as moist.

It is fine mesh and uniform, spherical beads. 001x8FM is intended for use in all water softening, dealkalization, deionization and chemical processing applications.



Typical physical & Chemical characteristics

Polymer Matrix Structure	Styrene Crosslinked with DVB
Physical Form and Appearance	Clear spherical beads
Whole Bead Count	95% min.
Functional Groups	R-SO ₃
Ionic Form ,as shipped	Na
Total Exchange Capacity, Na+ form, wet, volumetric	Total Exchange Capacity, Na+ form, wet, 2.0 meq/l min.
Moisture Retention, Na+ form	45-48%
Particle Size Range	0.5-0.8 mm
Swelling Na ⁺ →H ⁺	10% max.
Ca ²⁺ →Na ⁺	5% max.
Shipping Weight (approx.)	820-850 g/l
Specific Gravity, moist Na+ Form	1.29
PH Range, Stability	0 - 14

Resin

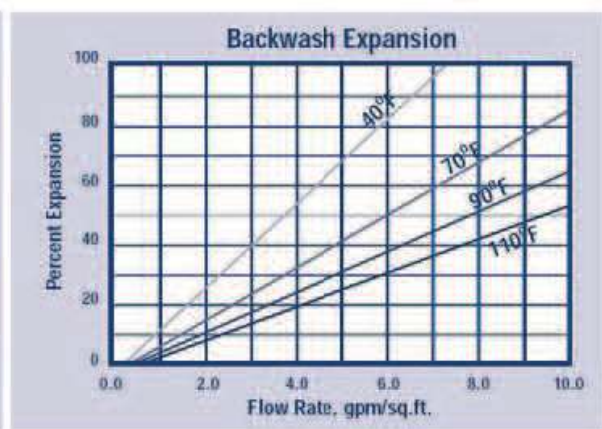
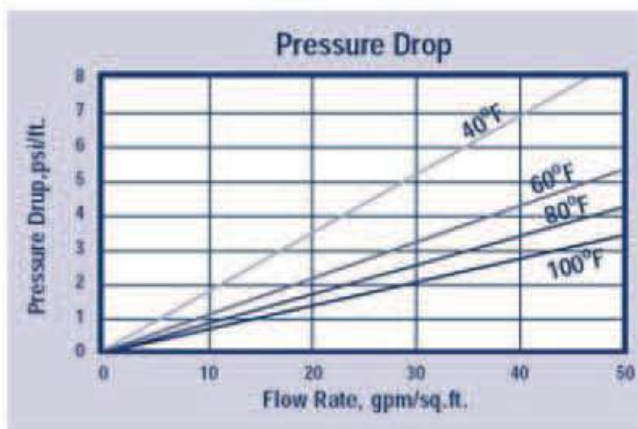


Maximum Temperature	
Na⁺ Form	150° C (300oF) max.
H⁺ Form	100° C (212oF) max.
Minimum Bed Depth	
	0.8m(24inches)
Backwash Rate	
	25 to 50% Bed Expansion
Regenerant Concentration	
Hydrogen Cycle	6% HCl or 4 to 8% H ₂ SO ₄
Sodium Cycle	4% to 6% NaCl
Regenerant Flow Rate	4 to 12 BV/h (0.5 to 1.5gpm/cu.ft.)
Regenerant Contact Time	At least 30 minutes
Regenerant Level	
	112 - 300g/L (4 to 10 pounds/ cu.ft.)
Displacement Rinse Rate	
	Same as Regenerant Flow Rate
Displacement Rinse Volume	
	10 to 15 gallons/cu.ft.
Fast Rinse Rate	
	Same as Service Flow Rate
Fast Rinse Volume	
	35 to 60 gallons/cu.ft.
Service Flow Rate	
	10-25m/h (2 to 10 gpm/cu.ft.)

Hydraulic Properties

A. Pressure Drop: The graph above shows the expected pressure loss per foot of bed depth as a function of flow rate, at various temperatures.

B. Backwash : After each cycle the resin bed should be backwashed at a rate that expands the bed 25 to 50 percent. This will remove any foreign matter and reclassify the bed. The graph below shows the expansion characteristics of 001x8FM in the sodium form.



KDF Ball



Name	Part No.	Weight	Dimension
KDF Ball	07030196	2 g	φ22mm

Brine Pipe



Name	Part No.
3/8" Brine Pipe	20090003

KDF set



Name	Part No.	Description
KDF Media Guard	02041001	1 section (with 1.1lb KDF55C) 2 sections (with 1.87lb KDF55C) 3 sections (with 2.82lb KDF55C) 4 sections (with 3.79lb KDF55C)
KDF Protector Set	02043006B	with 550g KDF55C distributor and 54" central tube

Leaking Alert

A small device for your peace of mind

- 1) Easy to use and install
- 2) Multiple senser capable
- 3) Automatic leaking cut-off
- 4) AC or DC powered
- 5) Low batter alert
- 6) Dimension: 76*90*26mm
- 7) 92 db alarm
- 8) 1" 3/4" 1/2" 1/4" available



CERTIFICATES

ISO9001 Quality Management System Certification
 ISO14001 Environmental Management System Certification
 American Water Quality Association (WQA) member certificate
 NSF certification
 RoHS Certification
 CE Certification
 TÜV(PED) Certification
 Certificate for Enterprise under Class-One Administration







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