

BNT CONTROL VALVES™

AQUALINE®



BNT 650 Control Valve

CODE	DESCRIPTION
0201014	BNT 650 Softener Valve
0201015	BNT 650 Filtration Valve

SPECIFICATIONS

Valve Body Material	: Noryl (PPO)
Plumbing Connections (NPT)	: Straight - 1/2", 3/4", 1"
Tank Thread	: 2-1/2" NPSM
Regeneration	: Down Flow
Regeneration Mode	: Timer Control
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 50 PSI INLET)

Continuous (15 psi drop)	: 20 GPM
Peak (25 psi drop)	: 26 GPM
Max Backwash (25 psi drop)	: 7 GPM
Cv	: 5,2

TYPICAL APPLICATIONS

Softeners	: up to 16" diameter
Filters	: up to 10" diameter

ELECTRICAL

Input	: 110V / 60Hz, 220V/50Hz
Output	: 12 V AC 50/60 Hz 410mA
Certification	: CE, cUL

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Max. Working Pressure	: 1,4 - 8,6 bar
Max. Temperature	: 1 °C - 42 °C

DOCUMENTS

Certification	: NSF, CE, RoHs
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ADDITIONAL INFORMATION

Weight	: 3,2 kg
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FEATURES

- Teflon-coated metal piston works in even water low in quality water for a long time.
- Its yoke system with clips enables easier installation and maintenance.
- Water hardness can be set by mixing setting valve.
- 12 Volt operation system increases occupation safety.
- Brine absorption can be provided with injector sets depending on resin quantity.
- DLFC sets prevent waste water loss.
- It contains silicon grease, insert, user manual, qualified diffuser and air check systems.
- The warranty is for 3 years except for valve usage error and water low in quality water.



165 Series

Digital Control Valve



FEATURES

- 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.
- Five year guarantee.

CODE	DESCRIPTION
0201018	1650 - F Electronic Valve - Volumetric Control Softener
0201019	1650 - T Electronic Valve- Zaman Kontrol Yumuşatma
0201020	1651 - T Elektronik Valf - Zaman Kontrol Filtre

SPECIFICATIONS

Valve Body Material	: Noryl (PPO)
Plumbing Connections (NPT)	: 1"
Tank Thread	: 2-1 /2" NPSM
Adjustable Cycles	: 0-99 minutes
Regeneration	: Down Flow
Meter Accuracy	: +/-5%
Maximum Meter Capacity	: 39,999 GAL
Distributor Pilot	: 1,05"
Drain Line	: 1/2" Quick Connect
Brine Line	: 3/8" Quick Connect

FLOW RATES (VALVE ONLY 50 PSI INLET)

Continuous (15 psi drop)	: 20 GPM
Peak (25 psi drop)	: 26 GPM
Max Backwash (25 psi drop)	: 7 GPM
Cv	: 5,2

TYPICAL APPLICATIONS

Softeners	: up to 16" diameter
Filters	: up to 10" diameter

ELECTRICAL

Input	: 110V / 60Hz, 220V/50Hz
Output	: 12 V AC 50/60 Hz 410mA
Certification	: CE, cUL

OPERATION RATINGS

Max. Working Pressure	: 20 125 psi
Max. Temperature	: 34 F - 110 F

DOCUMENTS

Certification	: NSF
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ADDITIONAL INFORMATION

Shipping Weight	: 7 pounds
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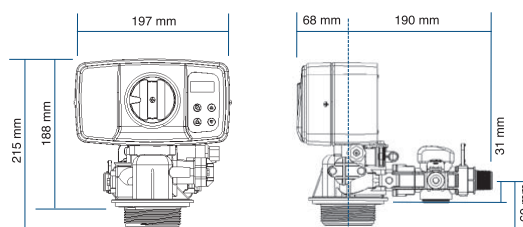
Integrated Meter



QC Brine Line

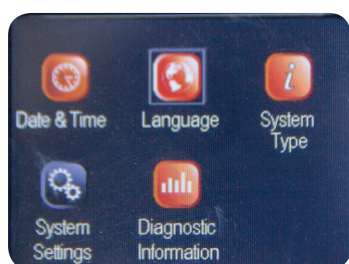


QC Drain Line



95 Series

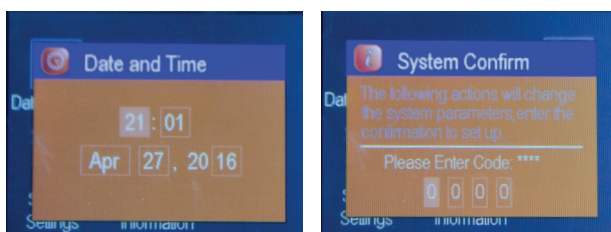
Digital Control Valve



FEATURES

- 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.

User Friendly Program



CODE	DESCRIPTION
BNT 950F	Volumetric and Timer Control Softener
BNT 951F	Volumetric and Timer Control Filter

SPECIFICATIONS	
Valve Body Material	: Noryl (PPO)
Plumbing Connections	: 1.5" BSP, NPT
Tank Thread	: 2.5", 4"
Adjustable Cycles	: Yes
Regeneration	: Down Flow
Meter Accuracy	: +/-5%
Maximum Meter Capacity	: 99,999 GAL
Top Distributor	: 1,05", 2"
Drain Line	: 3/4" BSP, NPT
Brine Line	: 1/2" BSP, NPT

FLOW RATES (VALVE ONLY 50 PSI INLET)	
Continuous (15 psi drop)	: 38,7 GPM
Peak (25 psi drop)	: 50.0 GPM
Max Backwash (25 psi drop)	: 35.8 GPM
Cv	: 10.0

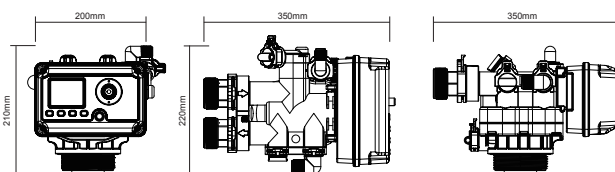
TYPICAL APPLICATIONS	
Softeners	: up to 24" diameter
Filters	: up to 24" diameter

ELECTRICAL	
Input	: 110V / 220V 50/60Hz
Output	: 12 V AC 50/60 Hz 410mA
Certification	: cUL

OPERATION RATINGS	
Max. Working Pressure	: 20 - 125 psi
Max. Temperature	: 34F - 110F

DOCUMENTS	
Certification	: NSF

ADDITIONAL INFORMATION	
Gross Weight	: 14,5 kg



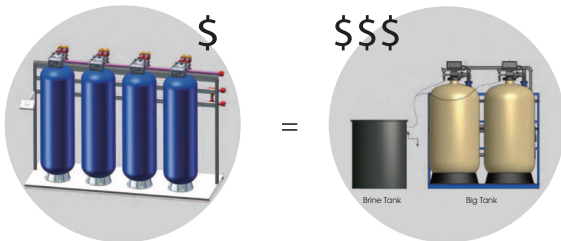
MTS 95 Series

Multi Tandem Control Valve & Controller



FEATURES

- Multi- tandem systems can be formed with double, triplex or fourplex control valve, which eliminates your requirement for large mineral tank.
- Provides purified water for 24 hours.
- Reads flow rates lower than 1 gpm.
- Works for 9 hours even in case of power failure.
- Automatically sends 10-15 gallons of water to drainage for prevention of hard water leakage at first operation.
- Without obligation for main controller's being on tank, it can be installed at any desirable place.
- Contains 2 extra relay output (for example, dosage applications).
- Water proof cap housing.
- Easy installation and operation by means of quick connections, which saves time.
- Extra ports and quick connection clips for easily sampling,
- Integrated turbine meter.
- Regeneration mode options; direct flow controller, delayed flow controller, delayed flow controller and timer controller.
- Program settings are kept in permanent memory and 48 hours of program is backed up.



BNT 95 Control Valve

CODE	DESCRIPTION	DEBI m ³ /saat
2BNT951FD	Duplex Filtre Valf (Timer ve Volumetrik Özellikli)	20
2BNT950FD	Duplex Yumuşatma Valf (Timer ve Volumetrik Özellikli)	20
3BNT951FT	Triplex Filtre Valf (Timer ve Volumetrik Özellikli)	30
3BNT950FT	Triplex Yumuşatma Valf (Timer ve Volumetrik Özellikli)	30
4BNT951FT	Fourplex Filtre Valf (Timer ve Volumetrik Özellikli)	40
4BNT950FT	Fourplex Yumuşatma Valf (Timer ve Volumetrik Özellikli)	40

SPECIFICATIONS

Valve Body Material	: Noryl (PPO)
Plumbing Connections (NPT)	: 1.5" BSP, NPT
Tank Thread	: 2.5", 4"
Adjustable Cycles	: Yes
Regeneration	: Down Flow
Meter Accuracy	: +/-5%
Maximum Meter Capacity	: 23 m ³ /hour
Distributor Pilot	: 1,05", 2"
Drain Line	: 3/4" BSP, NPT
Brine Line	: 1/2" BSP, NPT

FLOW RATES (VALVE ONLY 50 PSI INLET)

Continuous (15 psi drop)	: 38,74 GPM
Peak (25 psi drop)	: 49,75 GPM
Max Backwash (25 psi drop)	: 35,66 GPM
Cv	: 10

TYPICAL APPLICATIONS

Softeners	: up to 24" diameter
Filters	: up to 24" diameter

ELECTRICAL

Input	: 110V / 220V 50/60Hz
Output	: 12 V AC 50/60 Hz 410mA
Certification	: cUL

OPERATION RATINGS

Max. Working Pressure	: 1,4 - 8,6 bar
Max. Temperature	: 1 °C - 42 °C

DOCUMENTS

Certification	: NSF
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BNT KONTROL VALFLERİ

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