

i5 2" Control Valve Specifications

Specifications

Inlet/Outlet 2" Female NPT
Cycles Up to 6
Valve Material..... Epoxy coated brass
Regeneration..... Downflow

Control valve Flow Rates

Service @15 psi drop (includes meter).....115 gpm
Backwash @ 25 psi drop..... 80 gpm
Cv Service..... 29.7
Cv Backwash..... 16.0

Operating Pressure

Minimum/Maximum..... 20 psi – 125 psi

Operating Temperatures

Minimum/Maximum..... 40° – 110° F

Meter specifications

Accuracy..... ± 5%
Flow Rate Range..... 1.5 – 150 GPM
Gallon Range..... 20 – 1,500,000 gallons
Totalizer..... 1 – 9,999,000 gallons

Dimensions & Weight / Distributor Pilot

Valve bodies with 2" Female NPT Inlet & Outlet..... 1.90" OD (1.5" NPS)
Drain: 1.5" Female NPT
Brine Line Connection..... 1" Male NPT

Mounting

Tank Adapter..... 4" - 8 UN
Height From Top Of Tank..... 8.5"
Shipping Weight With Meter..... 29 lbs.

Electrical Specifications

	AC Adapter	U.S.	International
Supply Voltage.....	120V AC.....	230V AC	
Supply Frequency.....	60 Hz.....	50 Hz	
Output Voltage.....	12V AC.....	12V AC	
Output Current.....	750 mA.....	750 mA	

Tank Applications

Water Softener..... 12" – 48" diameter
Filter: @ 10 gpm of backwash per ft² of bed area.....12" – 36" diameter

Cycle Range of time in minutes

- Backwash 1st (upflow)..... 1-95
- Regenerate Draw/Slow Rinse (downflow).....1-180
- Backwash 2nd (upflow).....1-95
- Fast Rinse (downflow).....1-95
- Regenerant Refill (in service with treated water)..... 0.1-99.0 or off
- Service (downflow)



- 2" Top mount control valve suited for commercial/industrial applications
- Epoxy coated lead free brass valve body*
- Economical stainless steel optional meter assembly
- Service flow rate of 115 gpm, backwash 80 gpm
- Solid state microprocessor with easy access front panel settings
- Front panel display for time of day, days until next regeneration, volume remaining, current flow rate and total volume used (Totalizer)
- Four methods to initiate regeneration; meter immediate, meter delayed, time clock delayed or pressure differential
- Optional double backwash feature offers optimum regeneration, cleaning ability and efficiency
- Fully adjustable cycle times with 6-cycle control delivers controlled backwash, downflow brining or upflow brining, slow rinse, second backwash, fast rinse, refill and downflow service
- Coin Cell Lithium battery back-up with an 8 hour carry over
- 12-volt output AC Adapter provides safe and easy installation
- Post treated water regenerant refill
- Reliable and proven DC drive
- Patented one piece expanding seal spacer stack assembly U.S. Patent 6,402,944
- Patented linearly reciprocating piston operation U.S. Patent 6,444,127

Traditional EE valve available



Certified to NSF/
ANSI 61 and 372*

Tanks 30" and above include the "QC"
Series i5 2" Valve with a 6" tank flange



i5 2" Commercial Softener



Single Metered Unit	Tanks	≈Service/ Peak GPM	Recommended Brine Tank	Total Ft ³	≈Height
WS-i20M-1465-1A96	14"x65"	3-21/50	24"x40"	3	78"
WS-i20M-1653-1A96	16"x53"	4-28/60	24"x40"	4	66"
WS-i20M-1665-1A96	16"x65"	4-28/60	24"x40"	4	78"
WS-i20M-1865-1A96	18"x65"	5-35/69	24"x40"	5	79"
WS-i20M-2162-1A96	21"x62"	7-48/91	24"x50"	6	79"
WS-i20M-2460-1A96	24"x60"	9-62/98	24"x60"	8	77"
WS-i20M-2472-1A96	24"x72"	9-62/96	24"x60"	9	87"
WS-i20MQ-3072-6A96	30"x72"	15-98/109	30"x60"	14	98"
WS-i20MQ-3672-6A96	36"x72"	21-107/119	39x48	18	98"
WS-i20MQ-4272-7A96	42"x72"	28-114/127	39x60	25	106"
WS-i20MQ-4872-7A96	48"x72"	38-114/127	50x60	30	108"



Progressive flow systems are ideal for larger commercial applications that have varying flow rates. Up to 8 units can be connected together when you add the "System Controller" for massive flow rates! Order multiple softeners and the kit below to convert the system to a progressive flow system.

Progressive Flow Adders	Number Of Systems
WS-i20X2	2 Duplex Kit
WS-i20X3	3 Triple Kit
39V-i20X4	4 Quad Kit

Twin Alternating Units	Tanks (2)	≈Service/ Peak GPM	Recommended Brine Tank	Total Ft ³	≈Height
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Side mount steel tank systems available by special order!



24" tanks and below use a 4" threaded valve

30" Fiberglass tanks and above use a QC 6" Flanged valve.

i5 2" Accessories	Description
39V-V3094-15	(1) 2" Flow Meter
39V-V3064	(2) 4" Threaded Tank Adapter
39V-V3055	(3) 6" Tank Flange Adapter
39V-V3260-02	(4) 2" Side Mount Adapter
39V-V3076	(5) 2" Motorized Alternating Valve
39V-V3098	(6) 2" No Hard Water Bypass
40-V3666W	(7) i5 Weather Cover