



PROH₂O

Dot Matrix, Light Commercial Hi-Flow Series
with the WS1.5" Control Valve

The perfect product for your light commercial needs
including restaurants, apartments, laundromats & much more.

WATER TREATMENT SYSTEMS



HI-FLOW SERIES
LIGHT COMMERCIAL 1.5"

1.5" Dot Matrix Light Commercial Systems Feature:

- 1.5" top mount or side mount control valve suited for midsize commercial and industrial applications
- Lead free brass construction
- Economical, stainless steel optional meter assembly
- Service flow rate of 70 gpm, backwash 52 gpm
- Solid state microprocessor with easy access front panel settings
- Blue backlit dot matrix display with energy saver mode, back-light will automatically shutdown with 5 minutes of no button actuation
- 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/slow rinse, second backwash, fast rinse, refill and downflow service
- Coin cell lithium battery back-up for time of day for the life of the battery
- 12-volt output DC Adapter provides safe & easy installation
- Programmable Service Call Alarm
- Two on board relay drivers
- Customizable Dealer name and telephone number
- Two on board relay drivers

Part #	Grains Capacity/ salt dosage (lbs)		Pipe size	Service Flow Rates		Backwash Flow Rates	Resin Load	Tank Sizes		Salt Storage Capacity	Dimensions in inches		
	Minimum	Maximum	in	Continuous	Peak	GPM	cu ft	Resin Tank	Brine Tank	lbs	L	W	H
				@15 gpm sq	@25 gpm sq	@5 gpm sq							
CWCTM901.5	90,000/45	60,000/18	1.5	16	26	5	3	14x65	24x41	700	36	18	62
CWCTM1201.5	120,000/60	80,000/24	1.5	21	34	6	4	16x65	24x41	700	51	24	73
CWCTM1501.5	150,000/75	100,000/30	1.5	26	44	8	5	18x65	24x41	700	66	24	73
CWCTM2101.5	210,000/105	140,000/42	1.5	36	60	12	7	21x62	24x50	900	75	24	71
CWCTM3001.5	300,000/150	200,000/60	1.5	47	78	15	10	24x72	30x50	1400	84	30	89

Your **Charger** Water
Treatment Dealer:



LIGHT COMMERCIAL SYSTEM USES:

Car Washes

Quality equipment and water quality are an important, essential ingredient for a successful car wash. Applying the right water treatment equipment is critical. At Charger we will help to assure you have the proper water treatment equipment required for your car wash design.

Hospitals

The system quickly begins paying for itself by reducing water related energy consumption, extending the life of water using appliances, reduced cleaning product costs and reducing plumbing repairs. Water heaters, boilers and steam handling equipment will have longer service lives.

Restaurants

Charger's full range of water softeners, reverse osmosis systems and water filters help your restaurant to run more smoothly, deliver great tasting drinking water and improve the flavor of the food you serve. You will also enjoy spot-free glassware, reduce detergent costs, reduce energy consumption and reduce maintenance costs while extending the life of your water using equipment.

Laundromats

By using softened water your customers clothes will be softer, cleaner, whiter, brighter and last longer. You will enjoy longer service life from your machines and lower plumbing repair costs.



OPTIONS *Available*

1.5" Alternating Valve



- 1.5" NPT or 1.5" BSPT
- Lead free brass casting with black coating
- Allows for two H2O Pro light or heavy Valves to be a twin alternating system
- Full 1.5" ports with minimal pressure loss
- Provides for no raw water bypass during regeneration
- Provides choices of treated or non-treated water regeneration
- Proven and reliable AC drive assembly
- Low voltage drive assembly controlled by valve's circuit board
- Flow from Port A to Common has a 3.74 PSI drop at 60 GPM
- Flow from Port B to Common has a 2.15 PSI drop at 60 GPM
- Operating Pressures: 20 PSI minimum/ 125 PSI maximum
- Operating Temperatures: 40°F minimum/ 110°F maximum

1.5" Meter Assembly



- 1.5" inline meter suited for commercial/ industrial applications
- Stainless steel construction
- Service flow range 0.5 to 75 gpm (2-284 lpm)
- Meter accuracy $\pm 5\%$
- Reliable and proven turbine design
- 15-foot cable included
- 1.5" male and female NPT or BSPT connection

1.5" DLFC Valve



- 1.25" male NPT x 1/5" Female NPT inline drain line flow control suited for commercial and industrial applications
- Stainless steel housing
- Flow rates from 9 gpm to 85 gpm
- Reliable and proven flow washer design
- 1.25" Male NPT inlet with 1/5" Female NPT or BSPT outlet
- Easily disassembled with four bolts for cleaning
- For use on model WS1.5 and other manufacturer controls

1.5" NHWBP Valve



- 1.5.0" NPT or 1.5" BSPT
- Durable 316 stainless steel casting
- Hydraulically balanced piston valve
- Allows for our 1.5" valves to be used in multi-tank systems
- Full 1.5" ports with minimal pressure loss
- Provides for no raw water bypass during regeneration
- Provides choices of treated or non-treated water regeneration for our 1.5" valves
- Proven and reliable AC drive assembly
- Low voltage drive assembly controlled by valve's circuit board
- Flow from male inlet to female outlet has a 2.4 PSI drop at 60 GPM
- Operating pressures: 20 PSI minimum/ 125 PSI maximum
- Operating temperatures: 40°F minimum/ 110°F maximum