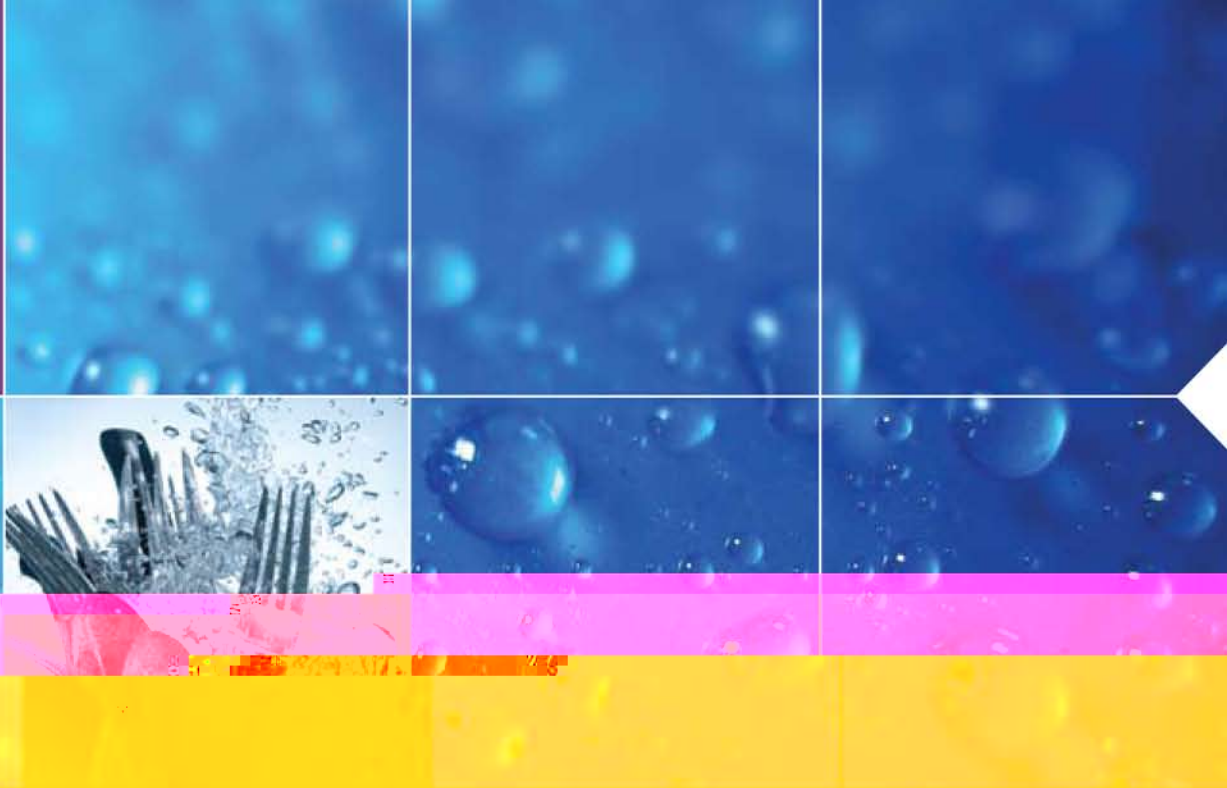




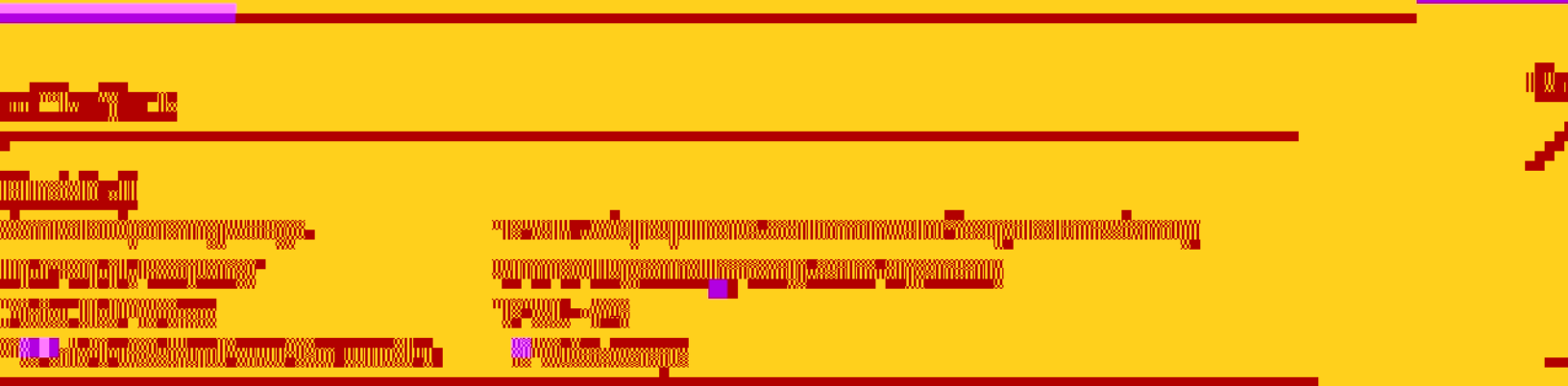
Pressure Control Valves

142 Time Clock

142 Demand

144 Demand

144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200



Internal Standard Autotrol® 1-inch (25 mm) turbine Thermoplastic, 1-inch flow path		Bypass Valve, Model 1265	
1-1/4-inches, 1-inch or 3/4 inch (32 mm, 25 mm or 19 mm)		Bypass Fitting Kits:	
1-inch or 3/4-inch (25 mm or 19 mm)		Copper, Sweat Tube Adapter	
1-inch male or 3/4-inch male (25 mm or 19 mm)		CPVC, Solvent Weld Tube Adapter,	
1-inch male or 3/4-inch male (25 mm or 19 mm)		Plastic NPT or BSPT Pipe Adapter	
22 mm (1.25 inch) fixed, 24 mm (0.94 inch) fixed, 26 mm (1.02 inch) fixed		Stainless Steel NPT or BSPT Pipe Adapter	
Compatible with Regenerants/Chemicals		Brine Refill Controls	
Sodium chloride, potassium chloride, potassium permanganate, sodium hypochlorite, sodium hydroxide†, hydrochloric acid†, chlorine†† and chloramines††		Compatible with Regenerants/Chemicals	
For potable water supply.		Sodium Bisulfite	

†See owners manual for specific concentrations. ††Valve for use only with sodium bisulfite.

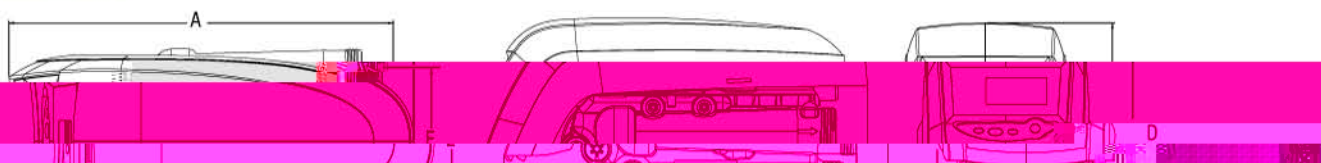


Dimensions

Valve Connections

Tank Thread	2-1/2-inches – 8, male
Inlet/Outlet Threads	1-3/4-inches – 12 UNC-2A male
Drain Line	3/4-inch NPT, male
Brine Line	3/8-inch NPT, male
Distributor Tube Diameter	1.050 inches (27 mm)
Distributor Tube Length	1/2 ± 1/2-inches (13 ± 13 mm) above top of tank

Outline Dimensions



Body)

1/2" drop	25.0 gpm (5.7 m³/h)
1 bar drop	20.0 gpm (4.5 m³/h)
	Cv = 6.50 (Kv = 5.6)
	Cv = 4.00 (Kv = 3.5)

Boiler Flow Rate Characteristics

Backwash Flow Control Table

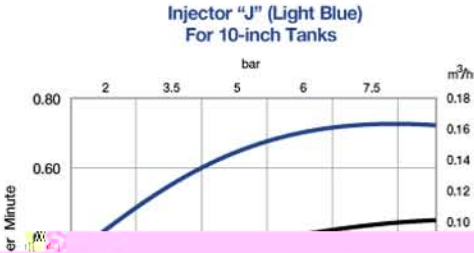
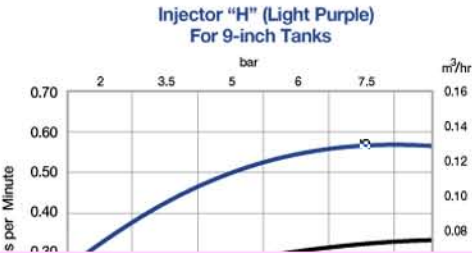
Backwash Flow Rate (gpm)	Backwash Flow Rate (m³/h)
10	2.27
20	4.54
30	6.81
40	9.08
50	11.35
60	13.62
70	15.89
80	18.16
90	20.43
100	22.70

Flow Rates (Valve Open)

15 psi (1.03 bar)	10.0 gpm (2.27 m³/h)
Backwash @ 25 psi (1.72 bar)	20.0 gpm (4.54 m³/h)
Service	25.0 gpm (5.68 m³/h)
Backwash	30.0 gpm (6.81 m³/h)

Logix™ Series Control

Injector* Performance
Logix™ Series Controllers



Injector "H" (Light Purple) For 9-inch Tanks		Injector "J" (Light Blue) For 10-inch Tanks	
Pressure (bar)	Flow Rate (l/s per Minute)	Pressure (bar)	Flow Rate (l/s per Minute)
2	0.30	2	0.60
3.5	0.40	3.5	0.68
5	0.48	5	0.72
6	0.54	6	0.74
7.5	0.58	7.5	0.75