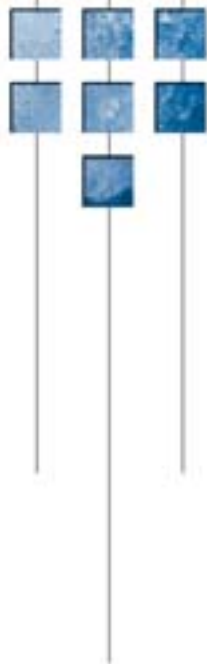




Autotrol® Product Specifications

Magnum IT



Flow Rates (Valve Only)

- Service @ 15 psi (1.03 bar) drop 76 gpm (17.3 m³/hr)
- Backwash @ 25 psi (1.72 bar) drop 89 gpm (20.2 m³/hr)
- Service Cv = 19.5 (Kv = 17)
- Backwash Cv = 17.8 (Kv = 19.9)

Control Operation

- Control Configurations:

962 Microprocessor Demand System	942 Mechanical Softener	952 Impulse Softener
962 Electronic Time Clock Softener	942 Mechanical Filter	952F Impulse Filter
962 Electronic Time Clock Filter		
- 962 Cycles:

	<u>Cycle Length Programmable</u>
Backwash	3 - 30 Minutes
Brine	Electronically Calculated
Slow Rinse	7 - 125 Minutes
Fast Rinse.....	2 - 19 Minutes
- 942/952 Cycles:

	<u>Cycle Length</u>
Backwash	17 Minutes
Brine/Slow Rinse.....	95 Minutes
Fast Rinse.....	9 Minutes
Refill.....	2 - 24 Minutes (Adjustable)
- 942F/952F Cycles:

	<u>Cycle Length</u>
Backwash	8-30 Minutes
Fast Rinse.....	9 Minutes (Adjustable)

Valve Connections/Dimensions

- Tank Thread 4-inch 8 UN
- Inlet/Outlet 2-inch NPT or BSPT, Female, CPVC
- Brine Line 3/4-inch NPT
- Drain Line 1-1/2-inch NPT or BSPT, Female, CPVC
*Valve installed drain flow controls available (5-40 gpm).
If higher backwash flow is needed, an external flow control will be required.*
- Riser Tube Diameter 1-1/2-inch
- Riser Installation Above top of tank 5/8 inch (±1/8-inch)
- Pilot Drain and Auxiliary Hydraulic Output..... 1/4-inch tube fitting

Flow Meter Option

- Internal Turbine

Normal Operating Range	2 - 80 gpm (0.45 - 18.1 m ³ /hr)
Peak Operating Range	1 - 100 gpm (0.22 - 22.7 m ³ /hr)
Normal Accuracy Range	±3%

Design Specifications/Ratings

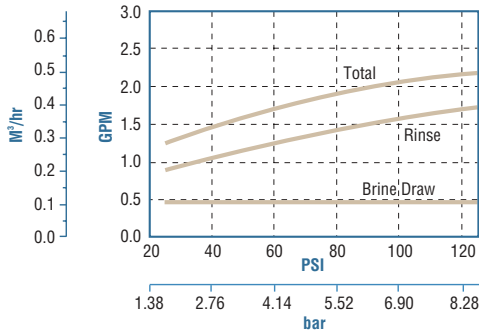
- Valve Body Noryl®
- O-rings..... EPDM
- Injector..... 7 sizes available: 14, 16, 18, 21, 24, 30, 36
- Working Pressure 25 psi – 100 psi (1.72 bar – 6.9 bar)
- Water Temperature 35° - 100°F (2° - 38°C), 120°F (49°C) Ambient

Options

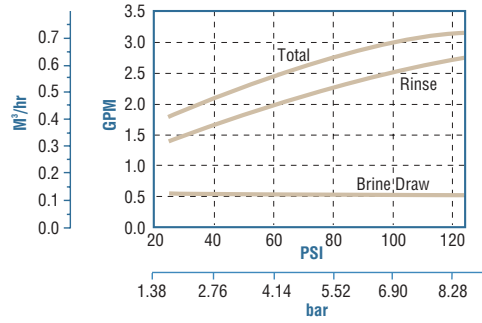
- Top Mount or Side Mount Configuration

Magnum CV Injector Data

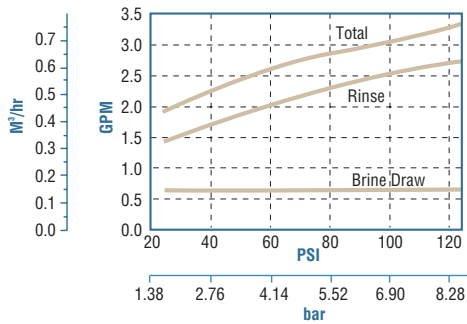
Injector # 1000441
Typical for 14-inch tank*



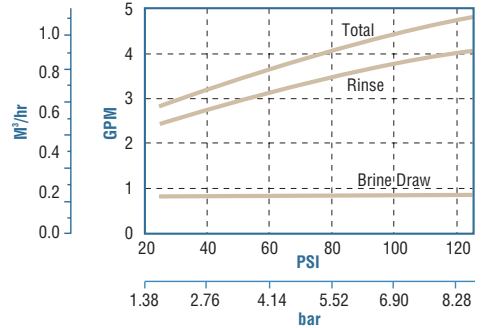
Injector # 1000442
Typical for 16-inch tank*



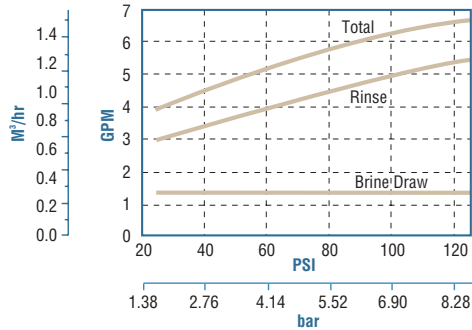
Injector # 1000443
Typical for 18-inch tank*



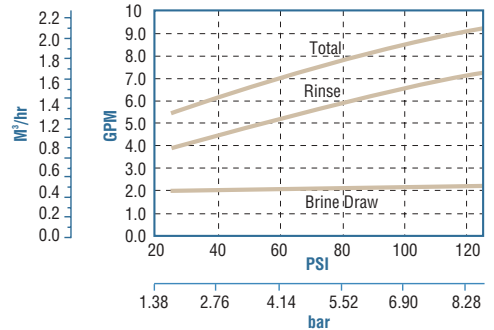
Injector # 1000444
Typical for 21-inch tank*



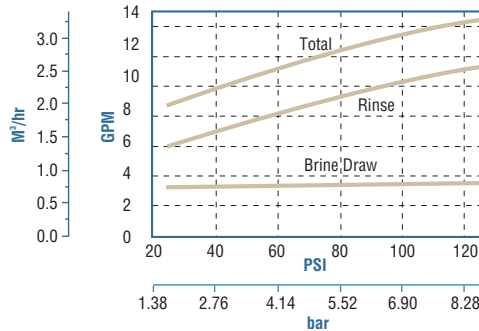
Injector # 1000445
Typical for 24-inch tank*



Injector # 1000446
Typical for 30-inch tank*



Injector # 1000447
Typical for 36-inch tank*



*Brine draw and Rinse rates on empty tank.

For More Information:

Call **GE Osmonics Household Water Group** at **(262) 238-4400** or **(800) 279-9404**, or visit **www.osmonics.com**



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