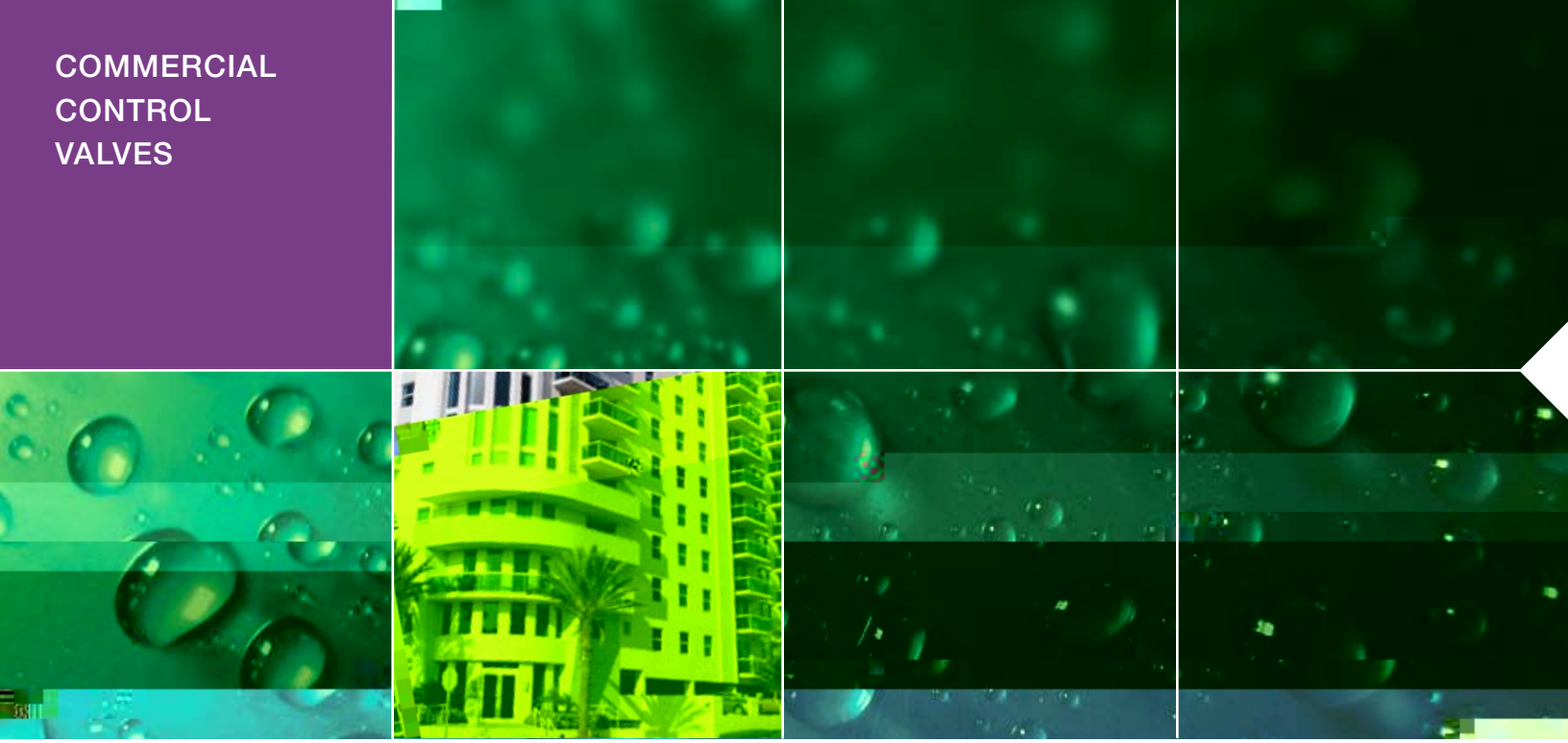
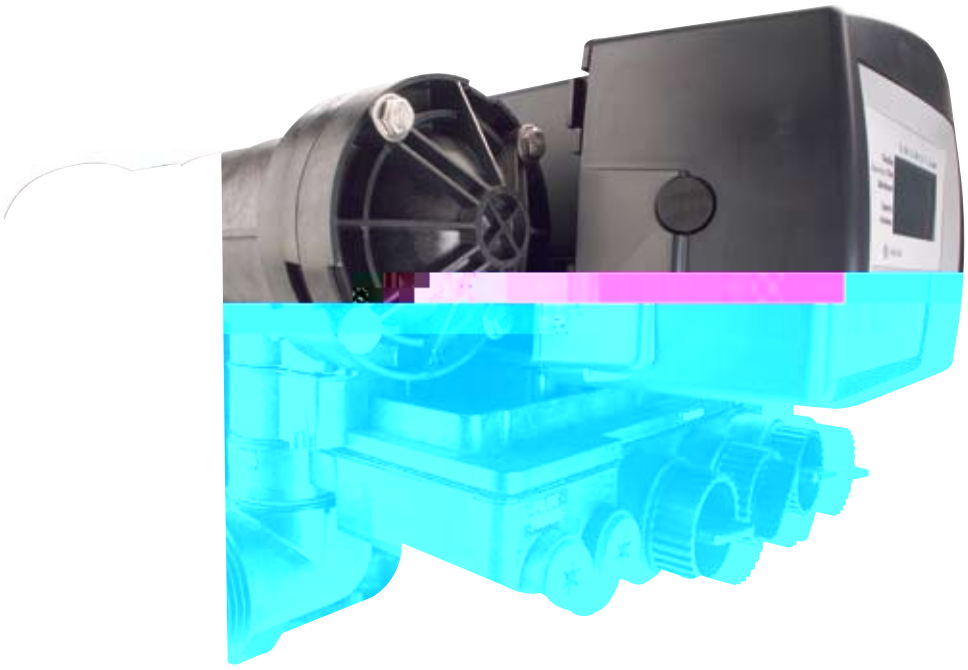
COMMERCIAL
CONTROL
VALVES



Ma C Va



Pentair
Water

COMMERCIAL CONTROL VALVES

Ma C Va

C

The Pentair Water® Magnum Control Valve is one of the most versatile valves on the market.

L

- All-electronic control platform
- 24-hour super-capacitor backup – no battery necessary
- Remote mount kit allows programming module to be installed up to 40 feet away
- Universal controller – works on all Autotrol® brand valves
- Automatic capacity calculations – no math or salt tables necessary
- 12-volt operation



The Logix series offers the ultimate in control for the Magnum® valve. Simple 3-step programming and installation makes this electronic controller the industry leader.



742 C

- Simple, economic electronic time clock (chronometric)
- 7- or 99-day regeneration settings
- Filter or conditioner setting in one control
- Fully programmable cycle times
- Salt setting in 1-pound increments (lbs/cu ft)
- Single controller operates Autotrol 255, 263, 268, 278 models, and Pentair Water Magnum and Magnum IT with one controller

762 D

- Simple, economic electronic demand (volumetric)
- Calendar override – 99 day
- 28-day variable reserve
- Filter or conditioner setting in one controller
- Automatic capacity calculations
- Fully programmable cycle times
- Salt setting in 1-pound increments (lbs/cu ft)
- Operates 255, 263, 268, 278, and Magnum IT with one controller

764 D

Sa a a 762

- Multi-tank applications (twin alternating, multi-tank parallel)
- Control lockout
- Remote regeneration

F ( )

Service @ 15 psi (1.03 bar) drop	76 gpm (17.3 m^3/hr)
Backwash @ 25 psi (1.72 bar) drop	89 gpm (20.2 m^3/hr)
Service	Cv = 19.5 (Kv = 17)
Backwash	Cv = 17.8 (Kv = 19.9)

C /D

Tank Thread	4-inch 8 UN
Inlet/Outlet	2-inch: connections NPT or BSPT, Female, CPVC
Brine Line	3/4-inch NPT
Drain Line*	1-1/2-inch: connections for NPT or BSPT, Female, CPVC
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

*Valve installed drain flow controls available (5 – 40 gpm). If higher backwash flow is needed, an external flow control will be required.

D /

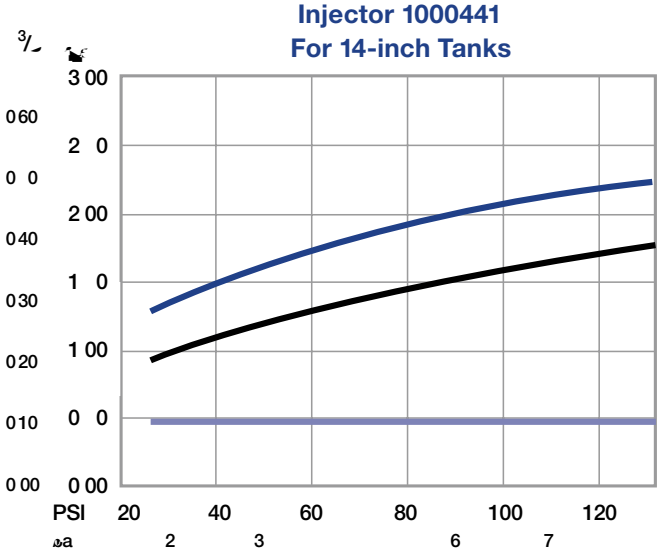
Valve Body	Thermoplastic
O-rings	EPDM
Injector	7 sizes available: 14, 16, 18, 21, 24, 30, 36
Working Pressure	25 psi – 100 psi (1.72 bar – 6.9 bar)
Water Temperature	35° – 100°F (2° – 38°C), 120°F (49°C) Ambient

Top Mount or Side Mount Configuration

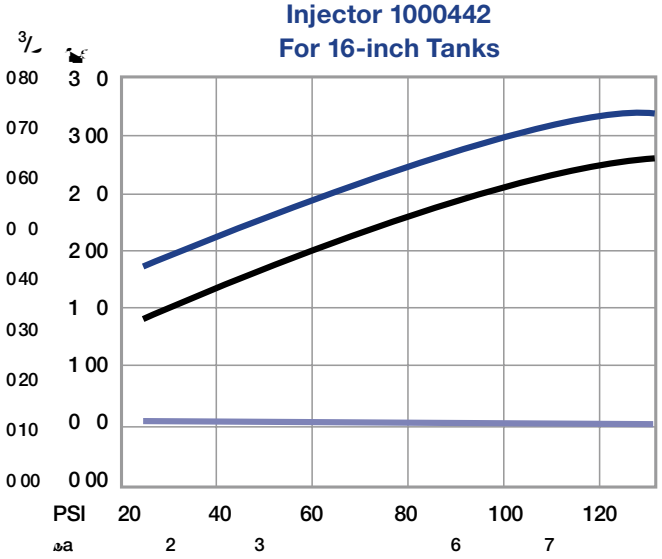
Pentair

Ma C Va

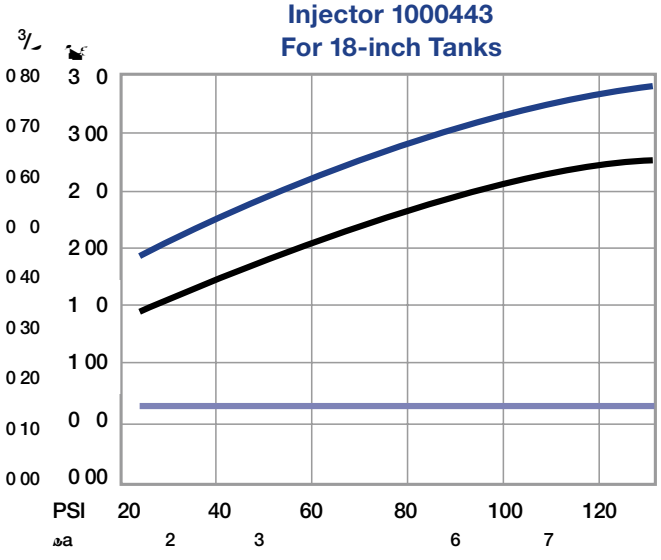
Injector 1000441
For 14-inch Tanks



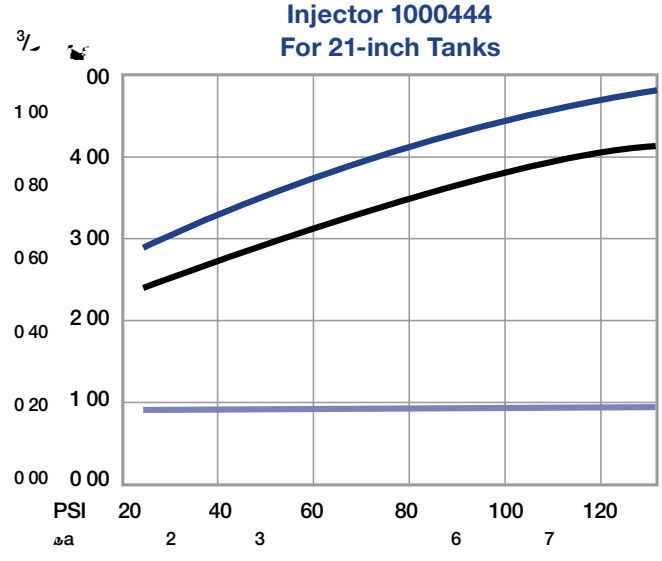
Injector 1000442
For 16-inch Tanks



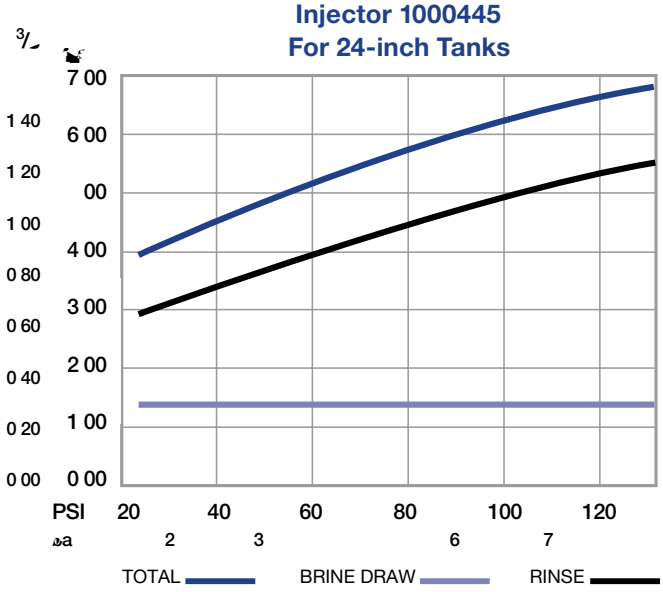
Injector 1000443
For 18-inch Tanks



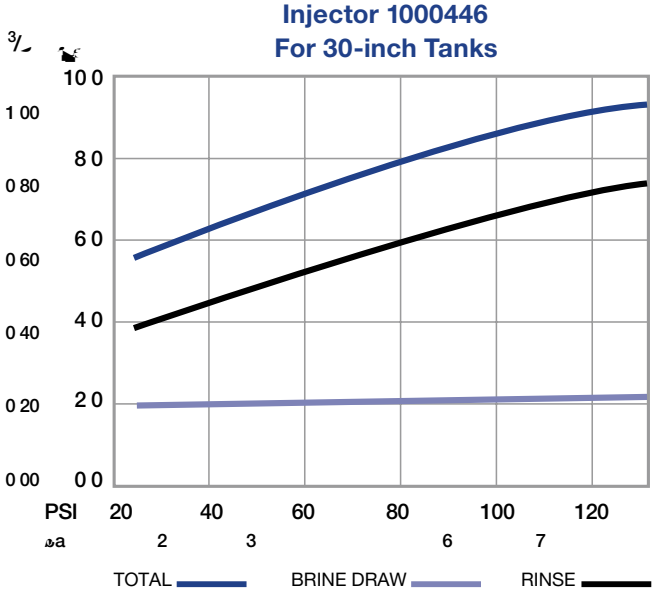
Injector 1000444
For 21-inch Tanks



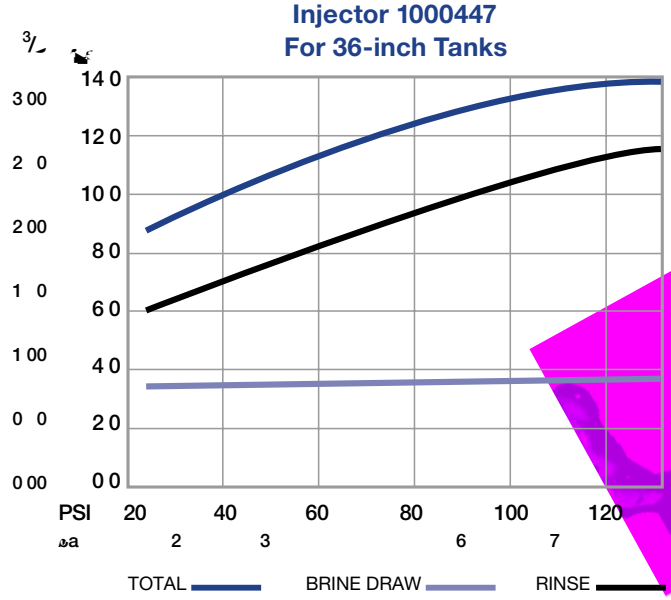
Injector 1000445
For 24-inch Tanks

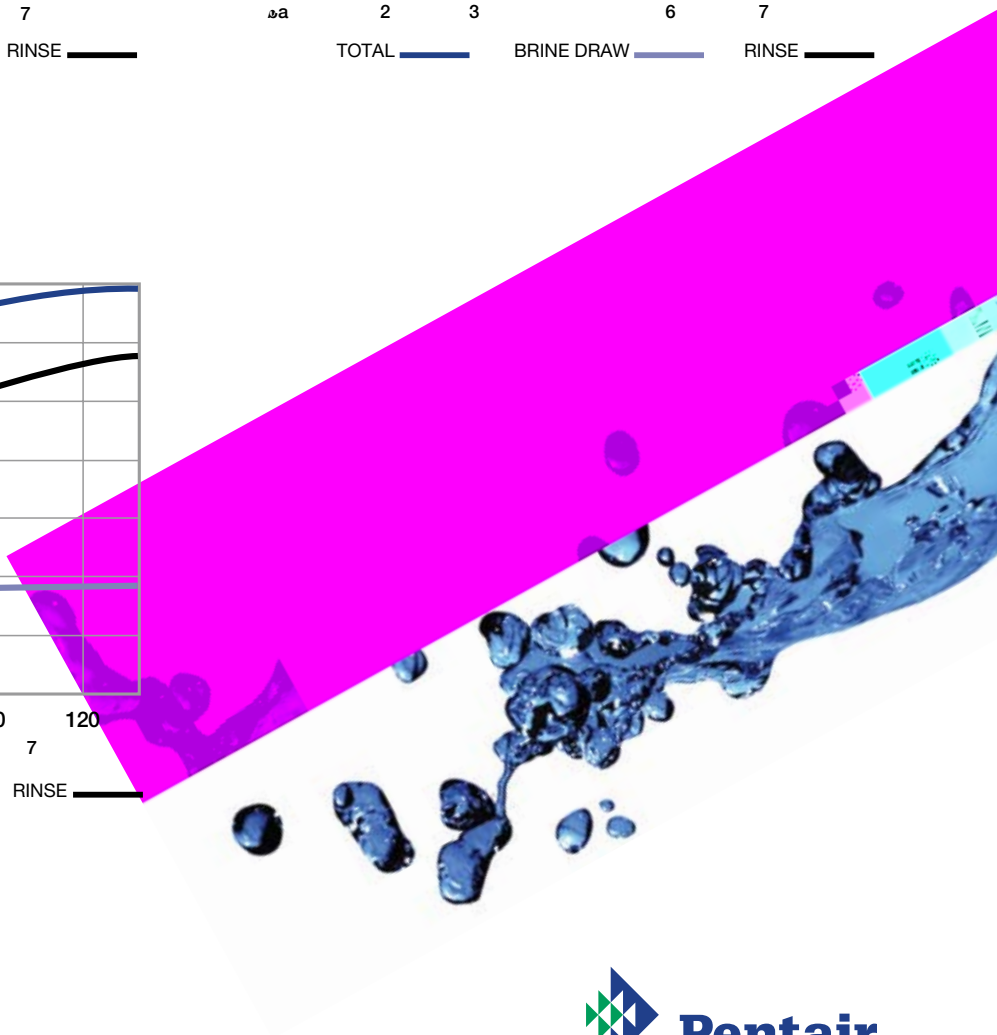


Injector 1000446
For 30-inch Tanks



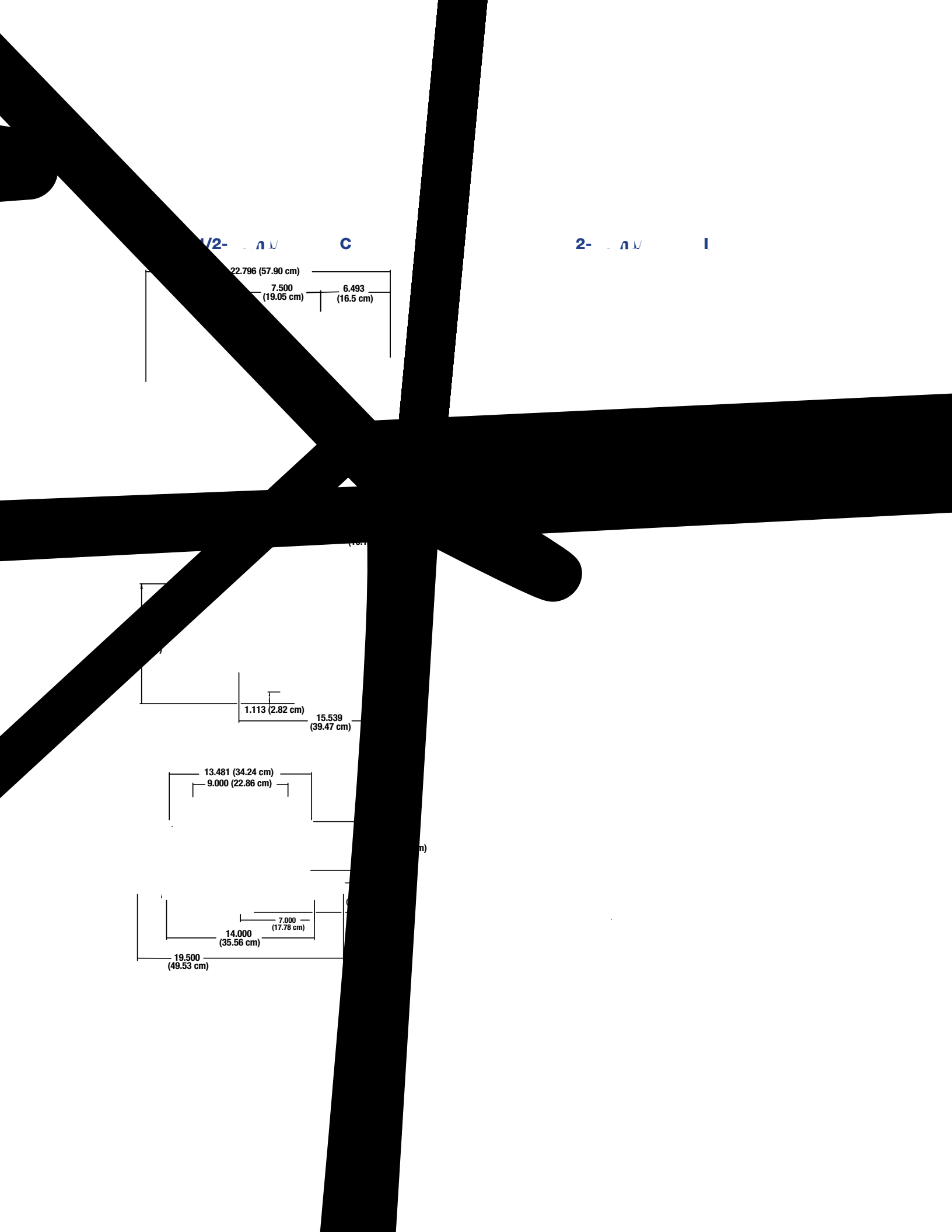
Injector 1000447
For 36-inch Tanks





NOTE: Brine draw and rinse rates on empty tank.

Pentair
W


22.796 (57.90 cm)
7.500
(19.05 cm)
6.493
(16.5 cm)
1.113 (2.82 cm)
15.539
(39.47 cm)
13.481 (34.24 cm)
9.000 (22.86 cm)
7.000
(17.78 cm)
14.000
(35.56 cm)
19.500
(49.53 cm)



Pentair Water

20 80 E . . . A . .
B . . . WI 304
T 262 784 4490
Fa 262 784 7794

730 N . G . Pa R a
M a . . . WI 3209
T 262 238 4400
Fa 262 238 4402

C . . Ca 800 279 9404 . . a a . a .

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