

# NELSON®



Coupling nuts on the pipe



Fittings for the inlet/outlet of the valve are installed

**Note:** Slip fittings eliminate 2 threaded fittings per valve



Valve is in place ready to be connected



Coupling nuts are threaded onto the inlet and outlet of the valve

## EZ CONNECT Valves

Nelson EZ Connect 9502 series valves offer models ideal for all residential and commercial applications. Unions incorporated onto the valve gives ultimate flexibility for every job. Available with 1½" or 2" threaded or slip fittings. All models feature a glass-filled nylon body with eight molded in brass studs, a stainless steel metering rod, high grade PVC bonnet, coupling nuts and fittings, one piece fabric reinforced diaphragm and a fully encapsulated solenoid. With the variety of options available, the 9502 series valves are a perfect choice for any application.

### Valve Bodies

#### 9502 Globe\*\*

Heavy duty union valve

#### 9502RW Globe\*\*

Heavy duty reclaimed water union valve with brass stem

- Flow range: 15-200 gpm
- Size: 7<sup>7</sup>/<sub>8</sub>"L x 5<sup>1</sup>/<sub>2</sub>"W x 8"H  
6<sup>3</sup>/<sub>4</sub>"L x 5<sup>1</sup>/<sub>2</sub>"W x 8"H

• 4 per box

\*\* Requires 2 fittings from below

### Fittings

#### 1½"

#### 9502-150B

#### 9502-150N

#### 9502-150S

- 16 per box

#### 2"

#### 9502-200B

#### 9502-200N

#### 9502-200S

- 16 per box

### Lavender Coupling Nut

#### 9502-CNRW

- 8 per box

1½", 2"

Reading model #'s:  
**N**=NPT threading  
**S**=Slip  
**B**=BSP threading

# EZ CONNECT Valves

## Features

Manual internal bleed is easy to operate – just twist the solenoid

### 9502 series

Minimum pressure 15 PSI  
 Maximum pressure 200 PSI  
 Input 24 volts  
 Inrush current 0.50 amps  
 Holding current 0.23 amps

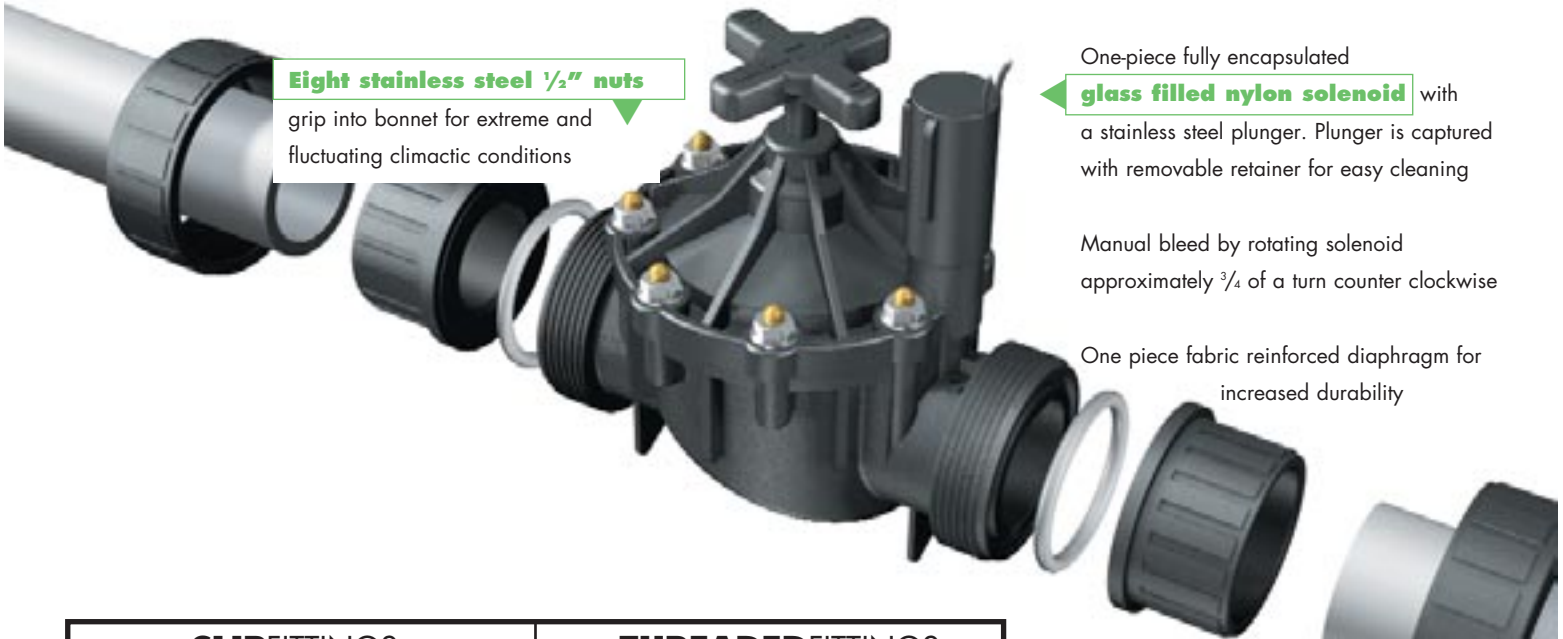
**Flow Control**, standard on all valves, allows adjustment of water flow when needed with a removable knob for additional protection against vandalism

**Eight stainless steel 1/2" nuts** grip into bonnet for extreme and fluctuating climactic conditions

One-piece fully encapsulated **glass filled nylon solenoid** with a stainless steel plunger. Plunger is captured with removable retainer for easy cleaning

Manual bleed by rotating solenoid approximately 3/4 of a turn counter clockwise

One piece fabric reinforced diaphragm for increased durability



Glass-filled nylon body with eight molded in brass studs, a stainless steel metering rod and high-grade PVC bonnet for heavy-duty applications up to 200 psi

High-grade PVC unions located on the inlet and outlet allow maximum versatility of pipe size (1 1/2" and/or 2") and fitting combinations (slip and/or threaded). Installation and removal of the valve is a breeze!

Directly compatible with SoloRain™ series of battery-operated actuators

Chloramine resistant diaphragm (9502RW)

Nickel plated brass stem with locking nut, to prevent pitting (9502RW)



Five year warranty on materials and workmanship on the valve. Two year warranty on materials and workmanship on the solenoid

SLIP FITTINGS	THREADED FITTINGS
<p>cut pipe to 8 1/4" REF</p>	<p>cut pipe to 11 3/4" REF</p>
<p>8 1/4" Dimension is based on pipe being completely seated against the Nelson fittings on the inlet &amp; outlet side of the valve (see arrows above).  <b>Note:</b> Dimension will fluctuate based on tolerances of components</p>	<p>11 3/4" Dimension is based on pipe being completely seated against the fittings on the inlet &amp; outlet side of the valve (Dimensions calculated with spears fittings), with Nelson fittings threaded on 3-4 turns per side.  <b>Note:</b> Dimension will fluctuate based on tolerances of components</p>

**Pressure Loss (psi)**

Flow (GPM)	9502 Globe 1 1/2"	9502 Globe 2"
15	3.0	-
20	3.0	-
30	3.5	-
40	3.7	-
50	3.9	2.9
60	4.0	3.0
80	5.0	3.5
100	6.0	4.2
120	8.0	6.5
140	10.0	8.2
160	-	11.0
180	-	11.5
200	-	16.5

**Pressure Loss (KPa)**

Flow (L/min)	9502 Globe 1 1/2"	9502 Globe 2"
56.7	20.7	-
75.7	20.7	-
113.5	24.2	-
151.4	25.5	-
189.3	26.9	20.1
227.1	27.6	20.7
302.8	34.5	24.2
378.5	41.4	28.9
454.2	55.2	44.9
529.9	69.0	56.6
605.6	-	75.9
681.3	-	79.3
757.0	-	113.8