

FLO n STOP™ REINFORCED NYLON SOLENOID VALVE

US PATENT NO. 005,881,755

4/21/2010 -1

PRODUCT DATA SHEET

Model No. 22106 and Model No. 22161

**NYLON REINFORCED VALVE
CONFORMS TO REQUIREMENTS OF:**

**NSF 61, Section 8
US EPA SDWA Section 1417**

**"FULL OPEN VALVE" WHEN MANUALLY OR ELECTRICALLY
OPENED**

Materials

Body & Cover:	Glass Reinforced Nylon
Plunger:	Stainless Steel 400
Armature Tube	Stainless Steel 300
Cover Bolts:	Stainless Steel 6 - #8 x 3/4" PH SMS
Spring:	Stainless Steel 300
Diaphragm:	Nitrile (Buna -n) w/Nylon Reinforced Fabric
Shading Ring:	Copper
O-Rings:	NBR
Manual Override	Nylon

General

Operating Pressures:	Min. 10 psi - Max.150 psi
Temperature Range:	Water: Up to 180 Deg. F
Flow Pattern:	2 - Way NC
Manual Override:	Override Switch allows opening Valve in the event of a power loss.
Diaphragm Operation:	Slow closing. No water hammer, surge or noise.
Inlet - Outlet Ports:	3/4" FNPT or 1" FNPT
Flow Rate:	3/4" Port 40 GPM @ 150 PSI 1" Port 45 GPM @ 150 PSI
Min. Operating Pressure:	10 PSI
Placement:	Valve is Suitable for both Interior and Exterior Installation and may be Situated in any Plane, Vertical or Horizontal.

Electrical

Approvals: CE, UL Listed

Encapsulated Solenoid Coil:	Class A, 221 Deg F, 105 Deg C Water-proof Epoxy Encapsulated Coil ABS Plastic Canister
Power Consumption:	Valve Open (On Position) AC 5 Watts Valve Closed (Off Position) 0 Watts
Power Consumption Cost:	Less than \$0.50/ month
AC Line Cord:	6 ft. SPT-1 NEMA 1-15 P Polarized Plug (110-120VAC Unit Only)

Dimensions

Overall Length:	4 5/16"
Overall Height	4 1/4"
Width:	3 1/16"
Weight:	1 lbs

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FLO n STOP™ REMOTE WIRELESS SYSTEM

Plug-in Electronic Components are designed for Interior use.
Exterior use with Weather-proof Enclosures and connections only.

Transmitter Button Pad

RF (Radio Frequency) Operation,
Part 15 of FCC rules Compliant

Location:	Wall mounted, adjacent to Interior side of the most used Entry and Exit door of a Dwelling
Power:	Four (4) AAA Alkaline Batteries
Expected Life of Batteries:	Excess of 12 months.
Operation:	Push Button ON/OFF Momentary Signal
Code Settings:	256 Code Settings Available,
Transmission Range:	Up to 50 ft to Transceiver Line of Site Recommended thru walls 25 - 30 ft

Transceiver

RF (Radio Frequency) Operation, Part 15 of FCC rules Compliant. CUS, UL Listed

Location:	Inserted into a Household wall Outlet 30 ft or less from the Transmitter Button Pad
Power:	110 - 120 VAC, 50/60 hz.
Operation:	Receives Wireless Signal from Button Pad and sends ON/OFF command through Household circuitry to the Solenoid Module.

Code Settings:	256 Code Settings Available, Transmitter, Transceiver and Module must be set to the same Code Setting.
Command Range:	Unlimited distance to Module on common unbroken circuitry

Solenoid Module

RF (Radio Frequency) Operation, Part 15 of FCC rules Compliant. CUS, UL Listed
110 - 120 VAC, 50/60 hz.

Power:	110 - 120 VAC, 50/60 hz.
Operation:	Receives ON/OFF Commands from Transceiver through Household circuitry and Energizes Solenoid Coil.

Code Settings:	256 Code Settings Available, Transmitter, Transceiver, and Module must be set to the same Code Setting.
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Voltage Adapter

(With 24VAC Solenoid Unit Only)
UL Listed, Class 2 Transformer

Input:	120 VAC 60hz 46W
Output:	24 VAC 650mA - 750mA
Efficiency Level:	IV
Wire Leads:	2 - 22AWG x 60" x AWM -VW-1

Dimensions

Transmitter (Body)	2.8" Wide x 4.55" High x 1" Deep
Transceiver (Body)	2.4" Wide x 2.9" High x 1.4" Deep
Solenoid Module (Body)	2.4" Wide x 2.9" High x 1.4" Deep
Voltage Adapter (Body)	2.5" Wide x 3.1" High x 2.9" Deep

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