

NETAFIM USA

GREENHOUSE & NURSERY VALVE SOLUTIONS

Advanced

Valve Products

For Efficient

Irrigation Control



 **NETAFIM™**
GROW MORE WITH LESS



SERIES 80 NYLON CONTROL VALVES

QUICK REACTION FOR ACCURATE IRRIGATION

Series 80 is an electric 2-way valve ideal for greenhouse and nursery hydroponic and misting operations. The valve seals tight with a fully supported diaphragm. Suitable for high pressure applications where quick reaction to opening and closing is required. Optimal for vertical installations.

- Manual closure with flow control stem
- Sizes: ¾", 1", 1 ½" and 2"
- Globe configuration available for all sizes
- Angle configuration: 1 ½" and 2" sizes
- Standard voltage: 24VAC
- Optional voltages: 12VDC latching, 12VDC continuous, 24VDC continuous and 120VAC continuous
- Flow ranges: .01 - 176 GPM



ELECTRIC 2-WAY VALVE
ANGLE CONFIGURATION



ELECTRIC 2-WAY VALVE
GLOBE CONFIGURATION

NYLON AND PVC CONTROL VALVES

HIGH RESISTANCE TO FERTILIZERS

Manufactured from high quality materials, Netafim's Nylon and PVC valves are ideal for water control in PVC networks. They provide superior hydraulic performance since the diaphragm is the only moving component. Available with multiple control function options to meet any application requirement.

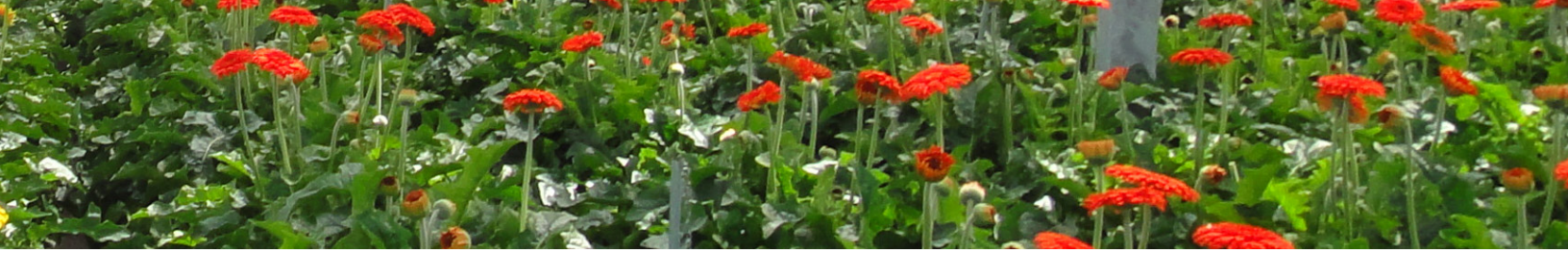
- High resistance to corrosive water containing fertilizers
- PVC valves are simple and economical to install by solvent welding to the PVC pipeline
- Nylon valve end connections: Threaded
- PVC valve end connections: Socket (Slip) or Threaded
- Nylon valve sizes: 1" to 3" (323)
- PVC valve sizes: 3" to 6"



ELECTRIC 3-WAY NYLON
THREADED VALVE



PRESSURE REDUCING 3-WAY
PVC SLIP VALVE

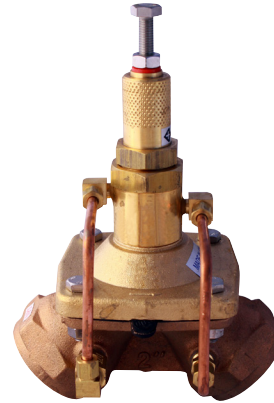


IRON AND BRONZE CONTROL VALVES

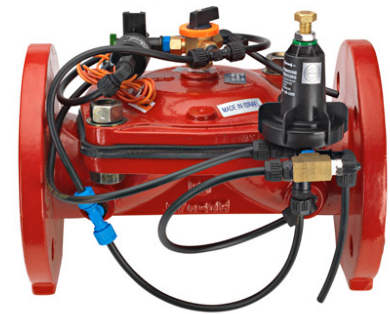
IDEAL FOR HIGH PRESSURE APPLICATIONS

The valve's unique design allows a straight flow pattern with the industry's lowest friction loss. Equipped with a direct sealing diaphragm and spring assuring complete valve closure. Iron valves have a protective polyester coating which resists corrosive elements. Bronze valves resist cavitation where extreme flow velocities exist. Available with many control function and end connection options.

- Hydraulically controlled for reliable performance
- Optional angle configuration for installation versatility
- Available end connections: Grooved, Flanged and Threaded
- Iron valve sizes: 1" - 12" Standard, up to 24" available
- Bronze valve sizes: 1" - 3" (323)
- Special diaphragms are available for extremely low pressure applications



QUICK RELIEF BRONZE
ANGLE THREADED VALVE



PRESSURE REDUCING ELECTRIC
IRON FLANGED VALVE

BATTERY OPERATED CONTROL VALVES

LOW COST SOLUTION FOR AUTOMATIC IRRIGATION

Get automatic valve control without additional wiring costs. The Aqua Pro Controller mounts on each valve and is individually programmed. A 9 volt DC battery is the only power required to turn the valve on and off. This option is available on any Nylon, PVC, Iron or Bronze valves. It's ideal for seasonal or annual crops requiring system portability.

- Corrosion-proof components and water resistant
- Easy access with four button programming and easy to read large LCD display
- Easy manual activation if needed
- Multiple cycles per day
- Indoor or outdoor installations



BATTERY OPERATED SERIES 80
NYLON CONTROL VALVE



AQUA PRO SINGLE
ZONE CONTROLLER

CYCLE REDUCING CONTROL VALVES

MINIMIZE CYCLING TO ACHIEVE OPTIMAL IRRIGATION COVERAGE

Cycling is when a pump continuously turns on and off during low-flow demands. This can be very destructive to the pump and may reduce the life span of the motor by putting excessive wear on the control components in addition to increasing energy costs.

Netafim Cycle Reducing Valves are one of the most common methods to mitigate pump cycling. A cycle reducing valve is a pressure reducing valve that automatically chokes back the output of the pump to match the output of the irrigation system. This makes a “constant speed” pump operate as a “variable speed” pump which ramps up or down to match the irrigation requirements. The low-flow cycling rate is reduced by a pressure tank that supplies the small demand until it empties and only then the pump is restarted by a signal from a pressure switch. This extends the time the pump is turned off. During irrigation, the cycle reducing valve will reduce the pressure to a specific pre-set set point. After irrigation, the main valve will close, an integral by-pass (stainless steel adjustable needle valve) will allow a specific amount of water to flow from the pump to the pressure tank until it is full, thus extending the duration of the pump being turned on.



CYCLE REDUCING IRON
FLANGED VALVE

CYCLE REDUCING VALVE FEATURES

NETAFIM	COMPETITORS	BENEFIT
PLASTIC PILOT (4" & SMALLER VALVES)	BRASS PILOT (ALL SIZES)	REDUCES COSTS
3-WAY PILOT	2-WAY PILOT	LESS PRESSURE LOSSES
ADJUSTABLE BY-PASS (NEEDLE VALVE)	NON-ADJUSTABLE BY-PASS	MORE FLEXIBILITY



ADJUSTABLE BY-PASS
NEEDLE VALVE
with Protection Cap

ADDITIONAL INFORMATION

Other valve sizes, configurations and control functions available. Contact Netafim USA Customer Service for additional information.



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