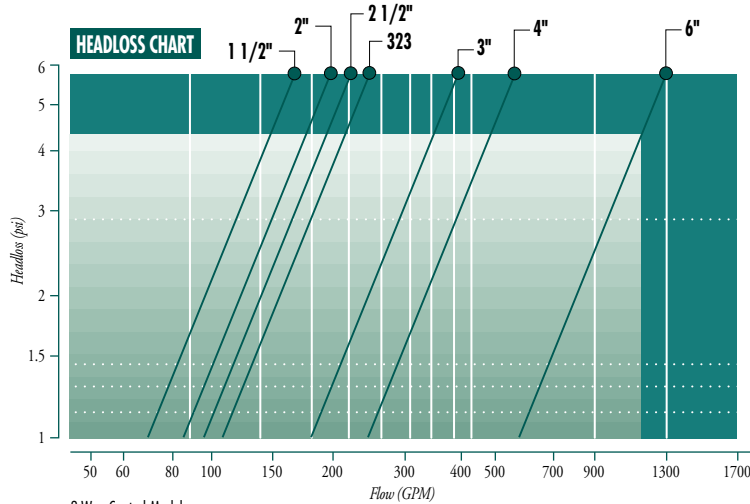


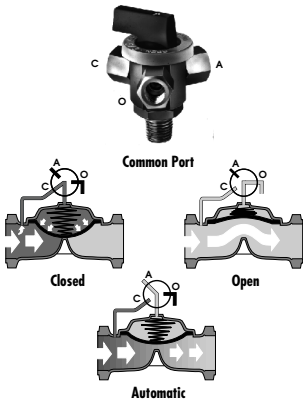
NETAFIM USA

Nylon and PVC Valves

High Resistance to Fertilizers and Chemicals



3-Way Control Model
Light brown area indicates recommended operating range.



Netafim USA's Basic Valve can be operated manually through the use of a 3-way selector. Selector options are:

Closed (C): Upstream pressure or pressure from an external source is applied to the control chamber. Initiated by the spring, the diaphragm is pressed down to close the valve drip-tight.

Open (O): Relieving the water or air pressure to the atmosphere from the control chamber causes the valve to open.

Automatic (A): The automatic port of the 3-way selector is connected to a solenoid, hydraulic relay or pilot, which controls the valve. The common port of the 3-way selector connects the control chamber to either A, O or C, depending on the direction the selector is pointed.

RECOMMENDED Cv $H \text{ (psi)} = \left(\frac{Q \text{ (GPM)}}{Cv} \right)^2$

SIZES	1"	1 1/2"	2"	323	3"	4"	6"
	18	66	83	103	175	250	554

Product Advantages

- Manufactured with threaded and socket (slip) connections.
- Requires one diaphragm type with low operating pressure.
- Superb hydraulic performance.
- High resistance to corrosive water containing fertilizers and chemicals.
- Pipes can be cemented into PVC valves.
- Simple to install with slip or threaded PVC connections.
- Simple design - diaphragm is the only moving component, no shaft, seals or bearings are located within the water passage way.



Nylon Valve



PVC Valve



6" PVC Valve

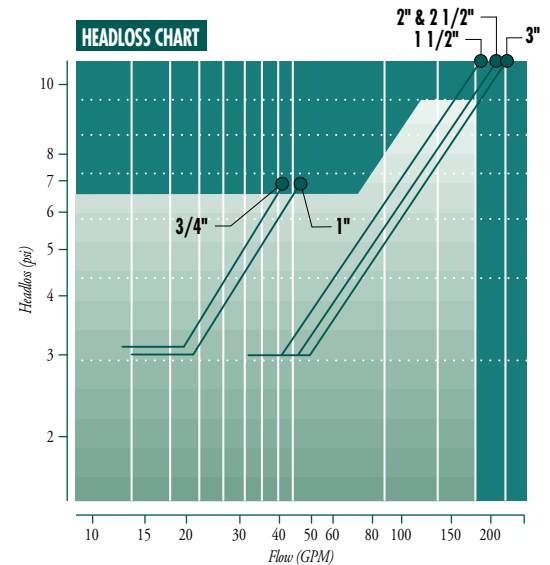
Applications

- Ideal for water control in PVC networks.
- For use in Agricultural and Greenhouse & Nursery applications.
- Surface or Sub-surface installations.
- **Functions:** Pressure Reducing, Pressure Sustaining, Pressure Relief, Electric, Remote Control.

Specifications

Maximum water temperature: 140° at maximum pressure.

- **Operating Pressure(psi):**
Nylon - 12 minimum, 145 maximum
PVC - 12 minimum, 115 maximum



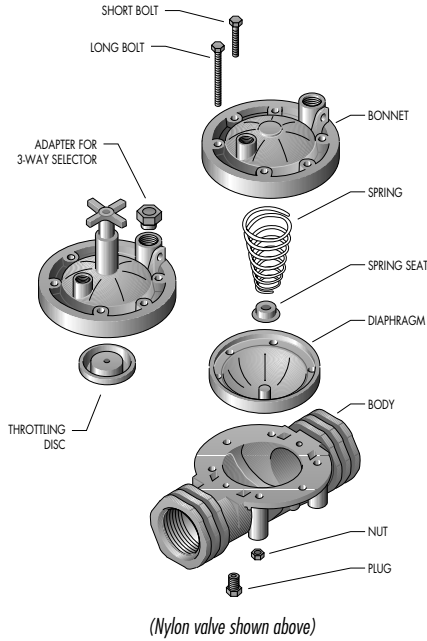
2-Way Electric Control PBI
Light brown area indicates recommended operating range.



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Nylon and PVC Valves Specifications



VALVE DATA	Nylon				PVC			
	Threaded				Threaded	Slip		
Size	1"	1 1/2"	2"	323"	3"	3"	4"	6"
Length (in.)	4 7/8	7 3/8	7 7/8	9 1/4	10 1/8	10 1/8	11	14
Height (in.)	2 7/8	4 3/8	4 3/8	4 3/4	7 5/8	7 5/8	8	15
Weight (lbs.)	0.4	2	2.2	3.1	9.3	9.3	9.5	20
Max. Pressure (psi)	115	140	140	140	115	115	115	150

OPTIONS

REMOTE CONTROL	Electric Hydraulic	Specify normally open or closed for main valve pressure rating and voltage. Order Catalog #61GALIT
BONNET	Standard	Nylon Valves are available with a throttling feature.
HOOK-UP	Standard	1/4" Nylon Tubing

Materials

- Nuts, bolts and washers:** Zinc coated steel/BS 5216
- Nylon Valves only:** Body, Bonnet and Seat: 30% Glass Reinforced Polyamide (GRP)
- PVC:** Body - uPVC
- Spring:** Stainless steel AISI 302
- Connections:** Threaded - ANSI (NPT Female)
Socket - IPS, PVC Standard
- Diaphragm Materials:** Standard - Natural Rubber
Special - EPDM (Ethylene Propylene Polymer)
Special - Nitril (Butadiene Acrylonitrile)

MODELS AVAILABLE

CONNECTION		Nylon	PVC	
MATERIAL		Threaded	Threaded	Slip
SIZES	1"	●		
	1 1/2"	●		
	2"	●		
	323	●		
	3"		●	●
	4"			●
6"			●	

Valve Installation Tips

Threaded Valves

Use a few layers of Teflon tape or Teflon sealer compound on the adapter and tighten by hand. Use a wrench to tighten the adapter another half revolution.

Socket or "Slip" Valve with PVC Pipe

Use the same procedure as when cementing PVC pipes. Mark the pipe first, then apply glue to the socket of the valve and the PVC pipe. Insert the pipe until reaching the mark and rotate a quarter turn. Hold the joint in place until the cement hardens.

Installation Above Ground

When installing a manifold above ground the length of the manifold should be kept as short as possible, (this eliminates the need for additional support). For longer lengths a firm support under the horizontal pipes is recommended. Always install the valve with the bonnet exposed to the sun.

Diaphragm Replacement

Loosen bolts, remove old diaphragm and install new diaphragm. Tighten the bolts, applying even pressure in a diagonal pattern, until the diaphragm is firmly pressed between the body and the bonnet. Do not over tighten. If leakage occurs between the bonnet and valve, tighten until leakage stops.

Underground

For underground installations use thrust blocks where needed, allow sufficient space and keep the area around the valve free from rough objects and stones. Cover the valve with clean soil — up to 24" is recommended for protection against heavy equipment. The controls for the valve, like the pilot, 3-way valve, should be positioned above ground. Be sure to mark the control tubing by color or number and put a protective poly or PVC tubing around the control tubing.

Netafim USA - Delivering Total Growing Solutions

- Dripplines
- Filters
- Valves
- Air Vents
- Sprinklers
- Automation
- Technical Education

For Agriculture, Greenhouse & Nursery and Landscape



For more information call your Authorized Netafim USA Dealer or call Netafim USA Customer Service at (888) 638-2346.