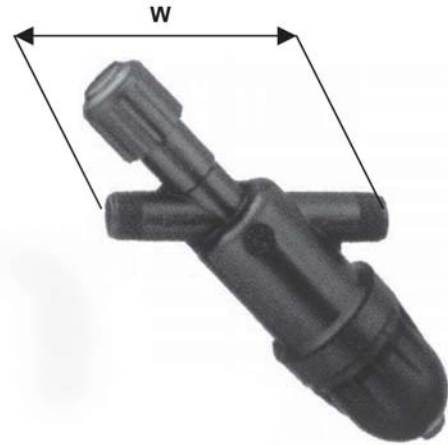


3/4" Manual Disc Filter with Shut-Off Valve

Installation, Operation and Maintenance Instructions

Features

- All plastic filter with two 3/4" male connections.
- Filter element consists of grooved discs, mounted on a spine, forming a cylindrical filter element. The discs are compressed together by a spring located at the bottom of the filter cover.
- Screw-on filter cover and shut-off valve.
- Resistant to chemicals and liquid fertilizers.
- Available filtration grades: 040, 080, 120, and 140.



Technical Data

Flow Range	1 - 12 GPM
Maximum Pressure	140 psi
Filtering Surface Area	24.8 sq. in.
Filtering Volume	5.8 cu. in.
Length	10 5/8"
Width	9 5/8"
Weight	.9 lbs
Distance Between End Connections (W)	6 3/32"
Inlet/Outlet Diameter	3/4" male
Maximum Temperature	158° F
pH	4 - 13

Filtration Grades

Disc Color	Mesh	Micron
Blue	040	400
Yellow	080	200
Red	120	130
Black	140	115

Installation

1. Use Teflon tape on filter threads - Do Not Use Pipe Dope
2. Ensure correct inlet/outlet direction.
3. When connecting filter to pipe, do not overtighten.
4. Ensure correct alignment and no undue stress is exerted on the filter body.

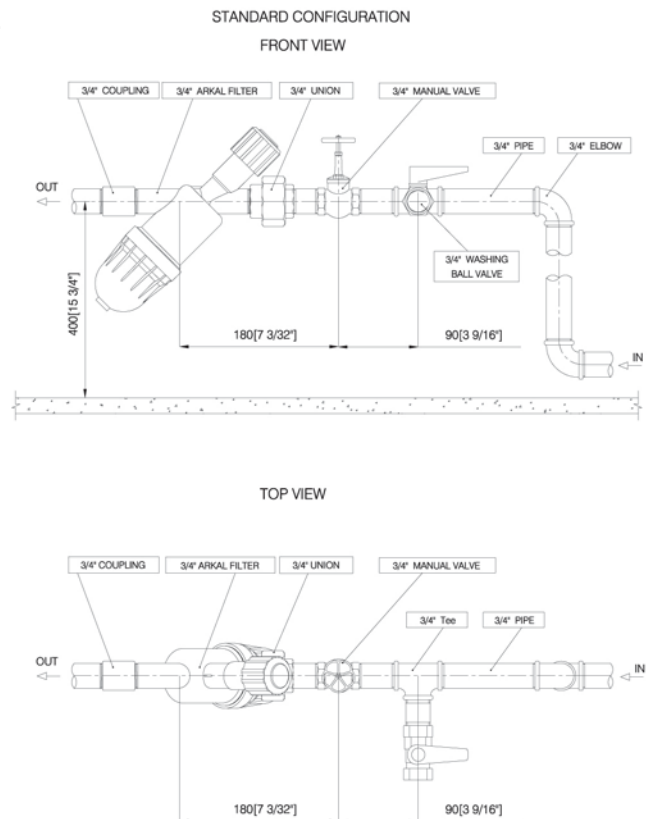
Maintenance and Cleaning

Dismantling

1. Ensure there is no pressure in the pipeline by closing the filter valve - an integral feature of this filter.
2. Unscrew cover at bottom of filter.
3. Pull out entire filter element.

Cleaning

1. Move tightening ring to end of spine and flush discs with pressurized water.
2. If discs are not clean after flushing with water:
 - a. If the discs have an accumulation of algae in the grooves, soak the discs and spine in a small bucket of Clorox bleach for one hour and then reflush with fresh water.
 - b. If the discs have an accumulation of iron in the grooves, soak the discs and spine in a small bucket of 10% Muriatic Acid for one hour and then reflush with fresh water. Muriatic Acid can be purchased at any pool supply store.



Maintenance and Cleaning

Assembly

1. Verify that spring is in place inside the filter cover.
2. Insert filter element and make sure it is seated correctly.
3. Replace cover.
4. Tighten filter cover securely. Do not overtighten.

Winterization

Drain all the water from the filter to avoid cracking due to freezing.

Parts Breakdown

3/4" Manual Disc Filter with Shut Off Valve

Key	Item Number	Description	Materials
1	See # 7	Valve Cover	PC
2	See # 7	Filtap Retaining Ring	ACETAL
3	See # 7	Valve Stem	PP
4	See # 7	Tap O Ring	EPDM
5	See # 7	Filter Body	PB.T
6	See # 7	Cover O Ring	NR
7	70620-002720	Filter Body Complete	-
8	70620-004720	Filter Tightening Spring	SS
9	70620-001700	Filter Cover	PB.T
10	70620-002380	Filter Element 040 Mesh	PP
	70620-002400	Filter Element 080 Mesh	
	70620-002420	Filter Element 120 Mesh	
	70620-002440	Filter Element 140 Mesh	

* Filter Element includes Spine and Ring Set

Materials Key

Code	Material
PB.T	Polybutylen Terephthalate
SS	Stainless Steel
PP	Polypropylene
PC	Polycarbonate
EPDM	Eth. Propy. Rubber
NR	Nitrile Rubber
ACETAL	Acetal Rubber

