

3" ANGLE MANUAL DISC FILTER

INSTALLATION, OPERATION & MAINTENANCE INSTRUCTIONS

FEATURES

- A right angle reinforced plastic filter with 3" flanged or grooved connections.
- Filter element consists of grooved discs, mounted on a spine, forming a cylindrical filter element.
- Clamp-on filter cover.
- Resistant to chemicals and liquid fertilizers.
- Available filtration grades: 040, 080, 120, 140 and 200.



TECHNICAL DATA	
FLOW RANGE	80 - 220 GPM
MAXIMUM PRESSURE	140 psi
FILTERING SURFACE AREA	287 sq. in.
FILTERING VOLUME	108 cu. in.
LENGTH	24 7/8"
WIDTH	12 3/32"
WEIGHT	31 lbs.
INLET/OUTLET DIAMETER	3"
MAXIMUM TEMPERATURE	158° F
pH	5 - 11

MESH/MICRON		
MESH	MICRON	DISC COLOR
040	400	Blue
080	200	Yellow
120	130	Red
140	115	Black
200	55	Green

INSTALLATION

1. Mount filter horizontally or vertically.
2. Use Teflon tape on filter threads - Do Not Use Pipe Dope.
3. Ensure correct inlet/outlet direction.
4. A shut-off valve should be installed at the filter inlet in order to close the water supply for servicing.
5. When connecting filter to pipe, do not overtighten.

MAINTENANCE AND CLEANING

DISMANTLING

1. Ensure system is turned off and no pressure remains in the pipeline or the filter.
2. Open clamp and remove filter cover from filter body.
3. Release the tightening nut slightly.
4. Pull out entire filter element.
5. Unscrew the tightening nut, pull out the spine extension and proceed with cleaning.

CLEANING

1. 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. If previously removed, assemble rings on spine and turn fixing nut clockwise to tighten.
2. Insert filter element and make sure it is seated correctly.
3. Turn fixing nut clockwise to tighten the filter element.
4. Replace filter cover.
5. Close safety catch on the clamp, place clamp on closing edge and close the safety catch.

WINTERIZATION

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

PARTS BREAKDOWN - 3" ANGLE FILTER

KEY	MODEL NUMBER	DESCRIPTION	MATERIALS
1	25AP22371001	BODY GROOVED (NEW)	R.PA
2	25AP25010601	FILTER COVER (NEW)	R.PA
3	25AP50420060	CLAMP (NEW)	SS
4	25AP534341	HYDRAULIC COVER SEAL	EPDM
5	25AP25060302	TIGHTENING NUT	R.PA
6	25AP25060304	SPINE CAP	R.PA
7	25AP50032220	O-RING	R.PA
8	25AP25020302	SPINE	R.PA
9	25AP534141	O-RING	EPDM
10	25AP21990043	COMPLETE SPINE ASSY	-
11	25AP50540212	1/2" TAP	BRASS
12	25AP25100325	LOOSE FLANGE	-
13	25AP25070308	CONE FLANGE	-
14	25AP50052013	3" GASKET	EPDM
-	25AP1341-***	RING SET WITH SPINE	PP
-	25AP2341-***	RING SET	PP

Substitute *** for proper mesh size.

MATERIALS KEY

CODE	MATERIAL
SS	STAINLESS STEEL
PP	POLYPROPYLENE
R.PP	REINFORCED POLYPROPYLENE
R.PA	REINFORCED POLYAMIDE
EPDM	ETH. PROPY. RUBBER

