



# AMERICAN

Manufacturing Company, Inc.

## MANUAL DISC FILTRATION

### FILTRATION PROCESS

Grooved, compressed plastic disc rings produce a deep filtration process. As dirty water is pumped into the filter and pressure increases on the outside of the filter, the water pressure compresses the rings together tightly. Grooves in the disc rings crisscross, forming a three dimensional network that traps particles. The number of crisscrossed intersection points on each groove varies, depending on filtration grade. The turbulence in the varying paths and the large number of intersections create an environment where particles are eventually trapped. This design filters the dirty water thoroughly, not only on the outer surface of the cylindrical disc filter, but through the entire depth of every ring's grooves. The result is a larger, more efficient filtering area (when compared to screen filters) with more debris being captured and cleaner water exiting from the filter.



#### 3/4" FILTER

FLOW RANGE	1 - 12 GPM
MAXIMUM PRESSURE	140 psi
FILTERING SURFACE AREA	25 sq. in.
FILTERING VOLUME	5.8 cu. in.
LENGTH	5 22/32"
WIDTH	7 15/32"
WEIGHT	.66 lbs.
DISTANCE BETWEEN ENDS	6"
INLET/OUTLET DIAMETER	3/4" Male



#### 1" FILTER

FLOW RANGE	5 - 26 GPM
MAXIMUM PRESSURE	140 psi
FILTERING SURFACE AREA	49 sq. in.
FILTERING VOLUME	27 cu. in.
LENGTH	9 11/32"
WIDTH	6 7/32"
WEIGHT	2.2 lbs.
DISTANCE BETWEEN ENDS	6 7/32"
INLET/OUTLET DIAMETER	1" Male



#### 1" SUPER FILTER

FLOW RANGE	10 - 35 GPM
MAXIMUM PRESSURE	140 psi
FILTERING SURFACE AREA	78 sq. in.
FILTERING VOLUME	36 cu. in.
LENGTH	13 13/32"
WIDTH	6 7/32"
WEIGHT	3.11 lbs.
DISTANCE BETWEEN ENDS	6 7/32"
INLET/OUTLET DIAMETER	1" Male

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## MANUAL DISC FILTRATION



### 1 1/2" FILTER

FLOW RANGE	10 - 35 GPM
MAXIMUM PRESSURE	140 psi
FILTERING SURFACE AREA	49 sq. in.
FILTERING VOLUME	27 cu. in.
LENGTH	10 5/8"
WIDTH	7 7/8"
WEIGHT	2.4 lbs.
DISTANCE BETWEEN ENDS	7 7/8"
INLET/OUTLET DIAMETER	1 1/2" Male



### 1 1/2" SUPER FILTER

FLOW RANGE	10 - 52 GPM
MAXIMUM PRESSURE	140 psi
FILTERING SURFACE AREA	78 sq. in.
FILTERING VOLUME	36 cu. in.
LENGTH	14 1/2"
WIDTH	7 7/8"
WEIGHT	3.3 lbs.
DISTANCE BETWEEN ENDS	7 7/8"



### 2" DUAL HP FILTER

FLOW RANGE	40 - 120 GPM
MAXIMUM PRESSURE	174 psi
FILTERING SURFACE AREA	147 sq. in.
FILTERING VOLUME	75 cu. in.
LENGTH	14 3/4"
WIDTH	10 1/4"
WEIGHT	11 lbs.
DISTANCE BETWEEN ENDS	10 1/4"
INLET/OUTLET DIAMETER	2" Male

Manual filters require periodic manual disassembly and cleaning. Visit the automatic filtration section of [www.americansite.com](http://www.americansite.com) for specifications on Perc-Rite® fully automatic filtration systems from 15–250 gpm.

DH-FT	DISC FILTER WITH HOUSING 3/4"
DH-FLT1	DISC FILTER WITH HOUSING 1"
DHFLT1SUPER	DISC FILTER WITH HOUSING 1" SUPER
DH-FLT12	DISC FILTER WITH HOUSING 1-1/2"
DH-FLT112SUPER	DISC FILTER WITH HOUSING 1-1/2" SUPER
DH-FLT2DUHP	DUAL DISC FILTER WITH HOUSING 2" HIGH PRESURE

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