

Harmsco® BF1200 Filter

BF1200 FILTERS 150,000 GALLONS IN 6 HOURS

COMPARE & SAVE!

SPACE • WEIGHT • LABOR • COST



Scale: 1" = 2 1/2'

THREE-TANK RAPID SAND SYSTEM

FLOOR SPACE:

10 ft. x 27 ft. = 270 sq. ft.

HEIGHT:

50 in. = 584 cubic ft.

WORKING HEIGHT (CEILING):

108" = 2,430 cubic ft.

DRY WEIGHT:

approx. 70,000 lbs. with media

ONE HARMSCO BF1200

FLOOR SPACE:

28 in. x 28 in. = 5.4 sq. ft.

HEIGHT:

58 in. = 26.3 cubic ft.

DRY WEIGHT:

325 lbs., complete with media

FIVE-TANK HI-RATE SAND SYSTEM

FLOOR SPACE:

4 ft. x 16.5 ft. = 66 sq. ft.

HEIGHT:

46 in. = 198 cubic ft.

DRY WEIGHT:

approx. 3,385 lbs. with media

ONE HARMSCO BF1200 DOES IT ALL!

Just one Harmsco® BF1200 cartridge filter can deliver a maximum flow rate of 162,000 gallons in six hours!* It easily fits through any standard door. One man with a hand truck can move it into position for piping. One inlet from the pump and one outlet to the pool does it!

No backwash piping or special sewer connections are needed. Media is in place and ready to go. No time consuming handling of media. Operating costs are lower; no water or chemicals lost due to backwashing. Filtering performance: unmatched for crystal clear water filtration from 20 microns and lower.

Harmsco® filter systems handle pools from the smallest size up to more than a million gallons. Call us today!



HARMSCO®
Clean & Clear Filtration Since 1958

www.harmsco.com

Harmsco® BF1200 Filter

PURCHASE AND OPERATIONAL COST COMPARISON OF A TYPICAL 160,000 GAL. PUBLIC POOL FILTRATION SYSTEM

Cartridge Filtration 2 BF1200 Units	Manual Sand Filtration Compared to 2 BF1200 Units	Automatic Sand Filtration Compared to 2 BF1200 Units
Average cost to end users: \$12,000	\$16,000	\$21,750
Average installation costs: \$1,950	\$3,250	\$4,050
Average length of time between cleaning cartridges or automatic backflushing: 30-90 days	30-90 days	30-90 days
Gallons of water needed to clean cartridges or blackflush: 100- 800	2,000-5,000	2,000-5,000
Time required for one man to clean two BF1200 units or backflush: 1-3 hours	15-30 minutes	not applicable
Estimated cost of chemically treated, heated, and filtered water which is disposed of during filter cleaning: \$.50-\$.150	\$20-\$150	\$20-150
Estimated cost of make-up water to replace that lost during cleaning of filters or cartridges: \$.12-\$.96	\$2.40-\$6.00	\$2.40-\$6.00
Estimated annual expenditure for media, taking into consideration the 15-20 year typical life of a sand bed (with typical replacement cost of \$2,000) and the 1-2 year replacement of cartridges: \$900-\$1,832	\$133-\$200	\$133-\$200
Minimum cubic footage required for filtration plant: 50 cu. ft.	560-680 cu. ft.	560-680 cu. ft. min.
Floor load factor: 1,400 lbs.	11,000-13,000 lbs.	11,000-13,000 lbs.
Cost per sq. ft. in space required (based on average initial investment of \$50-\$75 per sq. ft. for commercial quality filter room): \$625-\$937.50 (12.5 sq. ft).	\$2,400-\$7,350 (48-96 sq. ft)	\$2,400-\$7,350 (48-96 sq. ft)
Initial installation costs: \$13,950 \$14,575-\$14,887 (indoors)	\$19,250 \$21,650-\$26,600 (indoors)	\$25,580 \$27,980-\$32,930 (indoors)
Annual operational costs (\$10 per man hour): \$1,027.44-\$2,221.52	\$431.80-\$2,132.00	\$431.80-\$2,132.00
Total costs over 5 years, excluding building factor. *Plus initial investment for cubic space and floor load: \$19,087-\$25,067	\$24,431-\$29,910*	\$30,760-\$36,240*



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