

# Harmsco® Industrial Up-Flow Filters . . . a design so superior it's patented!



With Harmsco® *cluster filters*, the entire set of filter cartridges is removed at one time for cleaning or replacement.

## Cluster Filters



**HIF 7**



**HIF 14**



**HIF 16**



**HIF 21**



**HIF 24**

Max. flow rate (U.S. GPM) .....	7	Up to 30	Up to 60	Up to 75	Up to 90
Max. flow rate (LPM) .....		Up to 113	Up to 226	Up to 284	Up to 340
Max. flow rate (M <sup>3</sup> HR) .....		Up to 7	Up to 14	Up to 16	Up to 21
Number of std. cartridges .....	7	14	16	21	24
Alternative cartridge .....	Single only	Doubles	Doubles	Triples	Triples
Pipe size .....	1-1/2" NPT	1-1/2" NPT	2" NPT	1-1/2" NPT	2" NPT
Drain .....	1" NPT	1" NPT	1" NPT	1" NPT	1" NPT
Filter height .....	19.5" / 49 cm	28" / 71 cm	28" / 71 cm	37" / 94 cm	37" / 94 cm
Floor space requirement .....		13" x 13"	13" x 13"	13" x 13"	13" x 13" 13" x 13"
Service height clearance .....	35" / 89 cm	48" / 122 cm	48" / 122 cm	68" / 173 cm	68" / 173 cm
Shipping weight (approx.) .....	29 lbs. / 13 kg	39 lbs. / 18 kg	39 lbs. / 18 kg	50 lbs. / 23 kg	50 lbs. / 23 kg
Carton dimensions .....	14" x 14" x 21"	14" x 14" x 38"	14" x 14" x 38"	14" x 14" x 41"	14" x 14" x 41"

## Harmsco® High Temperature Filter Housings

Filters come with stainless steel holding rods and standpipes for high temperatures and aggressive chemicals. O-rings are Buna-N; rim gaskets are EPDM; other options, including viton, available.

**Note:** Model HIF 7-SS-222 accepts seven cartridges with 222 adapters, eliminating the need for holding rods. For cartridges with 222 adapters please see All-Poly cartridges listed on page 13.

Model	Max flow Rate	Pipe Size	Ship Wt.
HIF 7SS	To 30 GPM	1-1/2"	30 lbs.
HIF 7SS-222	To 30 GPM	1-1/2"	35 lbs.
HIF 14SS	To 60 GPM	1-1/2"	40 lbs.
HIF 16SS	To 75 GPM	2"	42 lbs.
HIF 21SS	To 90 GPM	1-1/2"	51 lbs.
HIF 24SS	To 100 GPM	2"	52 lbs.



## High-Capacity Filters

High capacity filters have lifting rods to remove a single stack of cartridges at one time.



**HIF 42**



**HIF 75**



**HIF 100**



**HIF 150FL**



**HIF 200FL**

Max. flow rate (U.S. GPM) .....	Up to 175	Up to 300	Up to 400	Up to 600	Up to 800
Max. flow rate (LPM) .....	Up to 662	Up to 1,135	Up to 1,514	Up to 2,271	Up to 3,028
Max. flow rate (M <sup>3</sup> HR) .....	Up to 42	Up to 75	Up to 100	Up to 150	Up to 200
Number of std. cartridges .....	42	75	100	150	200
Alternative cartridge .....	Triples	Triples	Doubles	Triples	Doubles
Pipe size .....	2" NPT	3" NPT	3" NPT	4" flanged	4" flanged
Drain .....	1" NPT	1-1/2" NPT	1-1/2" NPT	1-1/2" NPT	1-1/2" NPT
Filter height .....	40" / 102 cm	42" / 107 cm	52" / 132 cm	48" / 122 cm	58" / 147 cm
Floor space requirement .....	18" x 18"	20" x 20"	20" x 20"	28" x 28"	28" x 28"
Service height clearance .....	68" / 173 cm	70" / 178 cm	87" / 221 cm	76" / 193 cm	93" / 236 cm
Shipping weight (approx.) .....	100 lbs.	129 lbs.	188 lbs.	274 lbs.	321 lbs.
Shipping weight (kg) .....	45 kg	86 kg	86 kg	124 kg	156 kg
Carton dimensions .....	23" x 23" x 43"	23" x 23" x 53"	23" x 23" x 57"	28" x 28" x 49"	28" x 28" x 57"

Harmsco recommends operation at 60-70% of maximum flow rate for optimum performance. Pressure rated to 150 psi (10 bar) max. Standard Harmsco® Up-Flow filter housings and filter cartridges rated for temperatures to 140°F (60°C); ratings based on pressure and time under load. All Stainless Filter housings and high temperature cartridges (see pages 9,11) recommended for temperatures to 250°F (121°C). Cartridges not included. For cartridge installation add \$55 service fee. Units also available with BSP threads as special order.

**Note:** All stainless steel housings are 304; 316 available upon request.