

Explore the World of Hydro Systems International

HYDRO SYSTEMS FILTER CARTRIDGE HOUSINGS

Economical filter cartridge housings can be used in a broad range of residential, commercial, and industrial applications. Accept standard-length cartridges.

- Rugged, corrosion-resistant materials used to provide long trouble-free life.
- Sumps available in clear and white.
- Food grade materials

- Max. pressure: 100 psi (6.9 bar)
- Max. temp: 115° F (46°C)
- Available port sizes of 1/4", 3/8", 1/2", 3/4", & 1" NPT.
- Accept cartridges of nominal lengths 5", 10", & 20"
- Mounting brackets & wrenches available for all models.

102-SERIES BASIC HOUSINGS



- Basic two-piece design for best economy.
- Push-button pressure vent is standard.
- Port sizes: 1/4", 3/8", 1/2", 3/4"

Also available without pressure vent button.

120-SERIES VALVE-IN-HEAD HOUSINGS



- Valve-in-Head design offers shut-off & bypass modes.
- Ring nut feature allows for quick & easy assembly.
- Automatic pressure venting.
- Brass inserts reinforce threaded ports
- Port sizes: 3/4", 1"

113-SERIES THREE-PIECE HOUSINGS



- Three-piece design includes ring nut for quick & easy assembly.
- Push-button pressure vent is standard.
- Port sizes: 3/4", 1"
- Available brass threaded inserts.

223-SERIES HOUSINGS



- Most economical three-piece style.
- Push-button vent is standard.
- Clear & opaque sumps available.
- Port sizes: 1/4", 3/8", 1/2", 3/4"

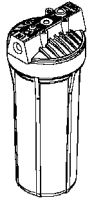


Many Hydro Systems products are tested and certified by NSF International for filtration performance and/or materials safety. Please see products' Performance Data Sheet for specific claims, or the NSF web site at www.nsf.org for a complete listing of certified products.

HOUSING SPECIFICATIONS & PERFORMANCE DATA

102-SERIES HOUSINGS

models	description	maximum dimensions	pressure drop ⁽¹⁾
102-1124	housing w/ opaque sump, for 10" cartridges	12.4" x 4.9"	2 psid @ 8 gpm
102-1224	housing w/ transparent sump, for 10" cartridges	12.4" x 4.9"	2 psid @ 8 gpm
102-2124	housing w/ opaque sump, for 20" cartridges	22.5" x 4.9"	3 psid @ 12 gpm
102-5124	housing w/ opaque sump, for 4-7/8" cartridges	7" x 4.9"	1 psid @ 4 gpm
102-5224	housing w/ transparent sump, for 4-7/8" cartridges	7" x 4.9"	1 psid @ 4 gpm



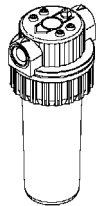
OPTIONS / 102-series (add suffix to model number)

option	suffix
no pressure vent	-NV
1/4" NPT ports	-1/4
3/8" NPT ports	-3/8

option	suffix
1/2" NPT ports	-1/2
3/4" NPT ports	-3/4

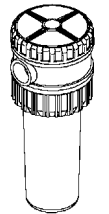
113-SERIES HOUSINGS, w/RING NUT

models	description	maximum dimensions	pressure drop ⁽¹⁾
113-3135	housing w/ opaque sump, for 10" cartridges	12.5" x 5.3"	2 psid @ 8 gpm
113-3235	housing w/ transparent sump, for 10" cartridges	12.5" x 5.3"	2 psid @ 8 gpm
113-4135	housing w/ opaque sump, for 20" cartridges	22.6" x 5.3"	3 psid @ 12 gpm
113-4235	housing w/ transparent sump, for 20" cartridges	22.6" x 5.3"	3 psid @ 12 gpm



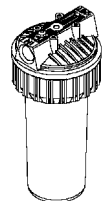
120-SERIES HOUSINGS, VALVE-IN-HEAD, w/RING NUT

models	description	maximum dimensions	pressure drop ⁽¹⁾
120-3155	housing w/ opaque sump, for 10" cartridges	13.3" x 5.5"	4 psid @ 8 gpm
120-3255	housing w/ transparent sump, for 10" cartridges	13.3" x 5.5"	4 psid @ 8 gpm
120-4155	housing w/ opaque sump, for 20" cartridges	23.4" x 5.5"	6 psid @ 12 gpm
120-4255	housing w/ transparent sump, for 20" cartridges	23.4" x 5.5"	6 psid @ 12 gpm



223-SERIES HOUSINGS, w/RING NUT - SLIM STYLE

models	description	maximum dimensions	pressure drop ⁽¹⁾
223-3135	housing w/ opaque sump, for 10" cartridges	11.7" x 4.9"	2 psid @ 8 gpm
223-3235	housing w/ transparent sump, for 10" cartridges	11.7" x 4.9"	2 psid @ 8 gpm



OPTIONS / 113 & 120 series (add suffix to model number)

option	suffix
brass insert ports	-B
3/4" NPT ports	-3/4
1" NPT ports	-1

OPTIONS / 223 series (add suffix to model number)

option	suffix
no pressure vent	-NV
1/4" NPT ports	-1/4
3/8" NPT ports	-3/8

option	suffix
1/2" NPT ports	-1/2
3/4" NPT ports	-3/4

(1) Tested with 3/4" NPT ports

Materials of Construction

part	material
head	reinforced polypropylene
sump, opaque	reinforced polypropylene
sump, transparent	SAN
o-rings	Buna-N (nitrile)
vent button	reinforced polypropylene
vent spring	300-series stainless steel
valve (120 series)	acetal

Specifications

operating temperature range:	40-100° F (4-38° C)
maximum operating pressure:	100 psi (6.9 bar)



**HYDRO SYSTEMS
INTERNATIONAL**

Hydro Systems International Inc.

161 Atwater Street
Plantsville, CT 06479
tel: 860.620.0393
fax: 860.620.0193