



H45 SERIES

4.5" OD Commercial Filter Housings

Hydro Guard™ H45 Series

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Data Sheet

Hydro Guard™ H45 Series 4.5" OD Commercial Filter Housings

are high durability commercial filter housings for 10" and 20" length cartridges. H45 Series housings have excellent chemical resistance and are ideal for many high flow residential, commercial and light industrial applications. Hydro Guard H45 Series accept 4 1/2" diameter cartridges and feature larger ports to allow for a greater flow of liquid to pass through the housing. They are ideal for your larger capacity filtration needs and are made from durable Polypropylene.



- ✓ Available with pressure relief valves (PR)
- ✓ Made with durable Polypropylene
- ✓ Ideal for high flow applications



This housing is tested and Certified by NSF International against NSF/ANSI Standard 42 for materials and structural integrity requirements.

COMPONENT

H45 SERIES SPECIFICATIONS						
	Part Number	Description	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10" 3/4" PORT	HDGP-H45-10BLBK34PR	NSF 10" Blue 4.5" Body, 3/4" Black Cap w/PR	6	16 x 24 x 16	37	16.78
	HDGP-H45-10CLBK34PR	10" Clear 4.5" Body, 3/4" Black Cap w/PR	6	16 x 24 x 16	40	18.14
20" 3/4" PORT	HDGP-H45-20BLBK34PR	NSF 20" Blue 4.5" Body, 3/4" Black Cap w/PR	4	16 x 16 x 24	37	16.78
	HDGP-H45-20CLBK34PR	20" Clear 4.5" Body, 3/4" Black Cap w/PR	4	16 x 16 x 24	40	18.14
10" 1" PORT	HDGP-H45-10BLBK10PR	NSF 10" Blue 4.5" Body, 1" Black Cap w/PR	6	16 x 24 x 16	37	16.78
	HDG-H45-10CLBK10PR	10" Clear 4.5" Body, 1" Black Cap w/PR	6	16 x 24 x 16	40	18.14
20" 1" PORT	HDGP-H45-20BLBK10PR	NSF 20" Blue 4.5" Body, 1" Black Cap w/PR	4	16 x 16 x 24	37	16.78
	HDGP-H45-20CLBK10PR	20" Clear 4.5" Body, 1" Black Cap w/PR	4	16 x 16 x 24	40	18.14
O-Ring	HDGP-H45-ORING	Hydronix O-ring For HDG-H45 Housing	-	-	-	-

WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.



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MATERIALS OF CONSTRUCTION

Opaque Housing:	Polypropylene
Clear Housing:	Polycarbonate
Cap:	Polypropylene
O-Ring:	Buna-N
Button Assembly:	Stainless Steel, EPDM and Polypropylene

OPERATING DATA

Maximum Temperature:	100° F (37.7°C)
Maximum Pressure:	90 psi (6.21 bar)

APPLICATIONS

Ice makers	Reverse Osmosis
Misting Units	Residential Plumbing
Food Processing	Photography
Analytical	Commercial Pre-filtration
Wineries	Beverage

MODEL GUIDE#

	Filter Housing	Body Length	Cap Color	
HDGP-	H45	X	XX	XX
	Housing Style	Body Color	Connection Type	

LEGEND

<p>Housing Style: 45 = 4.5" O.D.</p> <p>Body/Cartridge Length: 10 = 10" 20 = 20"</p> <p>Body Color: CL - Clear BL - Blue</p>	<p>Cap Color: BK - Black</p> <p>Connection Type: 34 = 3/4" 10 = 1" 15 = 1 1/2"</p>
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INSTALLATION GUIDELINES

WARNING: READ THESE INSTRUCTIONS BEFORE CHANGING OR INSTALLING. FOLLOW THESE INSTRUCTIONS TO REDUCE RISK OF DANGER.

Caution: filter housing must be protected against freezing and extreme temperatures. Filter housings should not be in direct contact with sunlight for a prolonged period of time since uv rays can make housings brittle. Pressure should always be measured before installation and water pressure regulators should be installed in the main line or in front of the housing if water pressure exceeds manufacturers' maximum water pressure: 75 psi. Installers should make sure filters and replacement filters are the correct length and are not too long so as to not cause undo strain and stress on the housing. A leak detector must be installed on all installations where high pressure, water hammer and pressure spikes are known or suspected to be present and on all installations where pressure is over 60 psi. Failure to the above may result in cracking of the filter housing, water leakage and water damage.

Caution: all filtration systems contain other parts that have a limited service life. Exhaustion of the service life of those parts often cannot be easily detected. Commonly, it is only after leakage has been observed or water damage has occurred that one is made aware that the service life has been exhausted.

Important notice: to prevent costly repairs or possible water damage we strongly recommend that the bowl or sump of all plastic housings be replaced periodically: every 5 years for clear sumps, and every 4 years for opaque sumps. If your sump has been in use for more than the recommended period, it should be replaced immediately. Be sure to date any new or replacement sump for future reference and indicate the next recommended replacement date.

Warranty: limited three (3) year warranty from the date of sale for material defects only. Warranty is limited to repair or replacement of product only. Any misuse, misinstallation, lack of maintenance, exceeding maximum pressure or failure to follow these instructions will void limited warranty.

DISCLAIMER OF WARRANTIES. Except as expressly warranted in writing by Hydro Guard, the goods sold by Hydro Guard are purchased by the buyer "as is." Hydro Guard does not warrant that the goods are of merchantable quality or that they can be used for any particular purpose. Except as expressly warranted in writing by Hydro Guard, Hydro Guard makes no representation or warranty of any kind with respect to the products.

LIMITATION OF LIABILITY. In no event shall Hydro Guard be liable to the purchaser or any other entity for more than the invoice price received by Hydro Guard for any non-conforming products. Hydro Guard shall not be liable to the purchaser or any other entity for personal injury, property damage, or any direct, indirect, special, incidental, consequential, punitive, exemplary, or other damages of any kind, including without limitation the cost of procurement of substitute goods, the loss of profits, products, or production, or the interruption of business, however caused and on any theory of liability, and whether or not Hydro Guard has been advised of the possibility of such damages. The essential purpose of this provision is to limit the liability of Hydro Guard arising out of the sale of products to the purchaser whether for breach of contract, negligence, or otherwise. These limitations shall apply notwithstanding any failure of essential purpose of any limited remedy and not withstanding the provisions of any other agreement between Hydro Guard and the purchaser.

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