

HF45 SERIES

4.5" OD Commercial Filter Housings
Data Sheet

HF45 Series

4.5" OD Commercial Filter Housings

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



HF45 SERIES COMMERCIAL FILTER HOUSINGS

are high durability commercial filter housings for 10" and 20" length cartridges. HF45 Series housings have excellent chemical resistance and are ideal for many high flow residential, commercial and light industrial applications.

HF45 SERIES COMMERCIAL FILTER HOUSINGS

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.



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

COMPONENT

HF45 SERIES SPECIFICATIONS						
	Part Number	Description	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10" 3/4" PORT	HF45-10BLBK34	NSF 10" Blue 4.5" Body, 3/4" Black Cap	6	16 x 24 x 16	37	16.78
	HF45-10BLBK34PR	NSF 10" Blue 4.5" Body, 3/4" Black Cap w/PR	6	16 x 24 x 16	37	16.78
	HF45-10BKBK34	NSF 10" Black 4.5" Body, 3/4" Black Cap	6	16 x 24 x 16	37	16.78
	HF45-10BKBK34PR	NSF 10" Black 4.5" Body, 3/4" Black Cap w/PR	6	16 x 24 x 16	37	16.78
	HF45-10GRBK34PR	NSF 10" Grey 4.5" Body, 3/4" Black Cap w/PR	6	16 x 24 x 16	37	16.78
	HF45-10CLBK34	10" Clear 4.5" Body, 3/4" Black Cap	6	16 x 24 x 16	40	18.14
	HF45-10CLBK34PR	10" Clear 4.5" Body, 3/4" Black Cap w/PR	6	16 x 24 x 16	40	18.14
20" 3/4" PORT	HF45-20BLBK34	NSF 20" Blue 4.5" Body, 3/4" Black Cap	4	16 x 16 x 24	37	16.78
	HF45-20BLBK34PR	NSF 20" Blue 4.5" Body, 3/4" Black Cap w/PR	4	16 x 16 x 24	37	16.78
	HF45-20BKBK34	NSF 20" Black 4.5" Body, 3/4" Black Cap	4	16 x 16 x 24	37	16.78
	HF45-20BKBK34PR	NSF 20" Black 4.5" Body, 3/4" Black Cap w/PR	4	16 x 16 x 24	37	16.78
	HF45-20GRBK34PR	NSF 20" Grey 4.5" Body, 3/4" Black Cap w/PR	4	16 x 16 x 24	37	16.78
	HF45-20CLBK34	20" Clear 4.5" Body, 3/4" Black Cap	4	16 x 16 x 24	40	18.14
	HF45-20CLBK34PR	20" Clear 4.5" Body, 3/4" Black Cap w/PR	4	16 x 16 x 24	40	18.14
10" 1" PORT	HF45-10BLBK10	NSF 10" Blue 4.5" Body, 1" Black Cap	6	16 x 24 x 16	37	16.78
	HF45-10BLBK10PR	NSF 10" Blue 4.5" Body, 1" Black Cap w/PR	6	16 x 24 x 16	37	16.78
	HF45-10BKBK10	NSF 10" Black 4.5" Body, 1" Black Cap	6	16 x 24 x 16	37	16.78
	HF45-10BKBK10PR	NSF 10" Black 4.5" Body, 1" Black Cap w/PR	6	16 x 24 x 16	37	16.78
	HF45-10GRBK10PR	NSF 10" Grey 4.5" Body, 1" Black Cap w/PR	6	16 x 24 x 16	37	16.78
	HF45-10CLBK10	10" Clear 4.5" Body, 1" Black Cap	6	16 x 24 x 16	40	18.14
	HF45-10CLBK10PR	10" Clear 4.5" Body, 1" Black Cap w/PR	6	16 x 24 x 16	40	18.14
20" 1" PORT	HF45-20BLBK10	NSF 20" Blue 4.5" Body, 1" Black Cap	4	16 x 16 x 24	37	16.78
	HF45-20BLBK10PR	NSF 20" Blue 4.5" Body, 1" Black Cap w/PR	4	16 x 16 x 24	37	16.78
	HF45-20BKBK10	NSF 20" Black 4.5" Body, 1" Black Cap	4	16 x 16 x 24	37	16.78
	HF45-20BKBK10PR	NSF 20" Black 4.5" Body, 1" Black Cap w/PR	4	16 x 16 x 24	37	16.78
	HF45-20GRBK10PR	NSF 20" Grey 4.5" Body, 1" Black Cap w/PR	4	16 x 16 x 24	37	16.78
	HF45-20CLBK10	20" Clear 4.5" Body, 1" Black Cap	4	16 x 16 x 24	40	18.14
	HF45-20CLBK10PR	20" Clear 4.5" Body, 1" Black Cap w/PR	4	16 x 16 x 24	40	18.14
10" 1.5" PORT	HF45-10BLBK15	NSF 10" Blue 4.5" Body, 1.5" Black Cap	6	16 x 24 x 16	37	16.78
	HF45-10BLBK15PR	NSF 10" Blue 4.5" Body, 1.5" Black Cap w/PR	6	16 x 24 x 16	37	16.78
	HF45-10CLBK15	10" Clear 4.5" Body, 1.5" Black Cap	6	16 x 24 x 16	40	18.14
20" 1.5" PORT	HF45-20BLBK15	NSF 20" Blue 4.5" Body, 1.5" Black Cap	4	16 x 16 x 24	37	16.78
	HF45-20BLBK15PR	NSF 20" Blue 4.5" Body, 1.5" Black Cap w/PR	4	16 x 16 x 24	37	16.78
	HF45-20CLBK15	20" Clear 4.5" Body, 1.5" Black Cap	4	16 x 16 x 24	40	18.14
	HF45-20CLBK15PR	20" Clear 4.5" Body, 1.5" Black Cap w/PR	4	16 x 16 x 24	40	18.14
O-Ring	HF45-ORING	Hydronix O-ring For HF45 Housing	-	-	-	-



HF45 SERIES

4.5" OD Commercial Filter Housings

Data Sheet

Materials of Construction

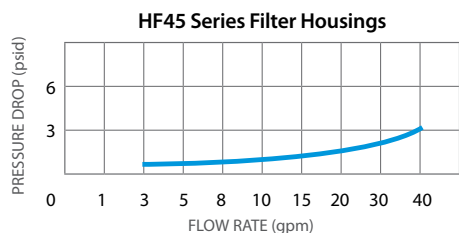
Opaque Housing:	Polypropylene
Clear Housing:	Polycarbonate
Cap:	Polypropylene
O-Ring:	Buna-N
Button Assembly:	Stainless Steel, EPDM and Polypropylene

Applications

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

Operating Data

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



Model # Guide

Filter Housing	Body Cart Length	Cap Color	Pressure Relief Button
HF 45-10	BL	BK	14 PR
Housing Style	Body Color	Connection Type	

LEGEND

Housing Style:	45 = 4.5" OD	Cap Color:	BK - Black
Body Length:	10 = 10"	Connection Type:	34 = 3/4"
	20 = 20"		10 = 1"
Body Color:	CL - Clear		15 = 1/2"
	BL - Blue		
	BK - Black		
	GR - Grey		

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: 90 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.

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

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

*For the complete list of our NSF Certified products, please visit the H2O International Inc. page on the official NSF website: www.nsf.org

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Manufactured by Hydronix Water Technology

HF5 Series
Commercial Filter Housings

- ✓ Available with pressure relief valves (PR)
- ✓ Great for a wide range of applications
- ✓ Opaque housings are NSF Listed*



HF5 SERIES COMMERCIAL FILTER HOUSINGS

are high durability commercial filter housings for 10" and 20" length cartridges.

HF5 SERIES COMMERCIAL FILTER HOUSINGS

have excellent chemical resistance and are ideal for many residential, commercial and light industrial applications.

HF5 SERIES COMMERCIAL FILTER HOUSINGS

are NSF tested and certified to NSF/ANSI Standard 42* for material and structural integrity only.



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

COMPONENT

Applications

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

Operating Data

Maximum Temp:	125° F (51.7° C)
Maximum Pressure:	100 psi (6.89 bar)
Initial ΔP psi at Flow Rate gpm (lpm):	1 psi at 8 gpm (30.283 l/min)

Materials of Construction

Filter Media:	Polypropylene
Cap:	Polypropylene
Button Assembly:	Stainless steel, EPDM and Polypropylene
O-Ring:	Buna-N

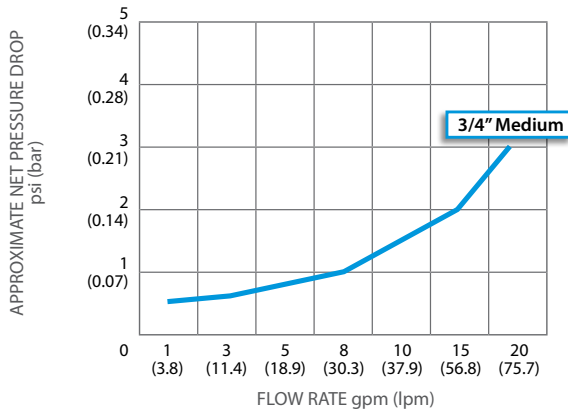
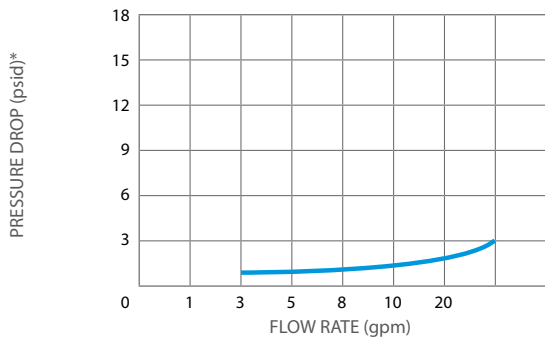
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* For the complete list of our NSF Certified products, please visit the H2O International Inc. page on the official NSF website: www.nsf.org

HF5 SERIES SPECIFICATIONS						
	Part Number	Description	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10" 3/4" PORT	HF5-10BLBK34	NSF 10" Blue Body, 3/4" Black Rib Cap	12	17 x 22 x 13	38	17.24
	HF5-10BLBK34PR	NSF 10" Blue Body, 3/4" Black Rib Cap w/PR	12	17 x 22 x 13	38	17.24
	HF5-10CLBK34	10" Clear Body, 3/4" Black Rib Cap	12	17 x 22 x 13	38	17.24
	HF5-10CLBK34PR	10" Clear Body, 3/4" Black Rib Cap w/PR	12	17 x 22 x 13	38	17.24
20" 3/4" PORT	HF5-20BLBK34	NSF 20" Blue Body, 3/4" Black Rib Cap	8	12 x 22 x 24	38	17.24
	HF5-20BLBK34PR	NSF 20" Blue Body, 3/4" Black Rib Cap w/PR	8	12 x 22 x 24	38	17.24
	HF5-20CLBK34	20" Clear Body, 3/4" Black Rib Cap	8	12 x 22 x 24	42	19.0
	HF5-20CLBK34PR	20" Clear Body, 3/4" Black Rib Cap w/PR	8	12 x 22 x 24	42	19.05
O-Ring	HF5-ORING	O-Ring for HF5 Filter Housing	-	-	-	-

HF5 SERIES

Commercial Filter Housings
Data Sheet



Model # Guide

Filter Housing	Body Cart Length	Cap Color	Pressure Relief Button
HF	5-10	BL	BK
Housing Style	Body Color	Connection Type	

LEGEND

Housing Style:	5 = Commercial	Cap Color:	WH - White
Body/Cartridge Length:	10 = 10"		BK - Black
	20 = 20"	Connection Type:	14 = 1/4"
Body Color:	WH - White		38 = 3/8"
	CL - Clear		12 = 1/2"
	BL - Blue		

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: 100 psi. Installers should make sure filters and replacement filters are the correct length and are not too long so as to not cause undue 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.

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Manufactured by Hydronix Water Technology

HF5HT/ HF45HT Series

High Temperature Filter Housings

- ✓ Wide Range of Industrial Uses
- ✓ 3/4" Commercial Style & 1" Big Body Style available
- ✓ Resistant Glass-Reinforced Nylon



HT SERIES HIGH TEMPERATURE FILTER HOUSINGS

are available in 10" & 20" Commercial Style and 10" & 20" Big Body Style. They are ideal for high temperature use and applications involving sea water, organic solvents, alcohol and vegetable oils.

HT SERIES HIGH TEMPERATURE FILTER HOUSINGS

can withstand temperatures up to 165°F and are an economical alternative to Stainless Steel housings.

HF5HT / HF45HT SERIES SPECIFICATIONS		
Part Number	Description	Initial ΔP (psi) at Flow Rate (gpm)
HF5HT-10RDRD34	10" Red Body, 3/4" Red Rib Cap	1 psi at 8 gpm (0.1 bar at 30 L/min) <i>with cold water</i>
HF5HT-20RDRD34	20" Red Body, 3/4" Red Rib Cap	1 psi at 8 gpm (0.1 bar at 30 L/min) <i>with cold water</i>
HF45HT-10RDBK10	10" Red 4.5" Body, 1" Black Cap	1 psi at 15 gpm (0.1 bar at 57 L/min) <i>with cold water</i>
HF45HT-20RDBK10	20" Red 4.5" Body, 1" Black Cap	1 psi at 15 gpm (0.1 bar at 57 L/min) <i>with cold water</i>

* DO NOT use with Ketones.

HF5HT / HF45HT SERIES SPECIFICATIONS						
	Part Number	Description	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	HF5HT-10RDRD34	10" Red 2.5" Body, 3/4" Red Rib Cap, High Temp Max 165°F	12	17 x 22 x 13	36	16.33
	HF45HT-10RDBK10	10" Red 4.5" Body, 1" Black Cap High Temp Max 165°F	6	16 x 23 x 14	40	18.14
20"	HF5HT-20RDRD34	20" Red 2.5" Body, 3/4" Red Rib Cap, High Temp Max 165°F	8	12 x 22 x 24	38	17.24
	HF45HT-20RDBK10	20" Red 4.5" Body, 1" Black Cap High Temp Max 165°F	4	16 x 16 x 26	64.5	29.26
	HF45HT-20RDBK15	20" Red 4.5" Body, 1.5" Black Cap High Temp Max 165°F	4	16 x 16 x 26	64.5	29.26
O-Ring	HF5HT-ORING	O-ring For HF5HT Housing	-	-	-	-
	HF45HT-ORING	O-ring For HF45HT Housing	-	-	-	-

Materials of Construction

Housing:	Glass-Reinforced Nylon
Cap:	Glass-Reinforced Nylon
O-Ring:	Viton

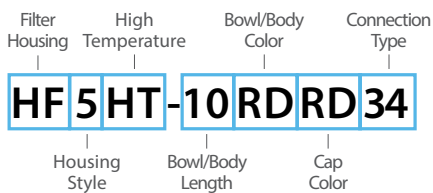
Operational Data

Max. Temp:	165°F (73.9°C)
Max. Pressure:	125 psi (8.62 bar)

Applications

- Commercial
- Sea Water
- Organic Solvents
- Industrial
- Alcohol
- Petroleum

Model # Guide



LEGEND

Housing Style:	5 = Commercial 45 = 4.5" Body
Bowl/Body Cart Length:	10 = 10" 20 = 20"
Bowl/Body Color:	RD - Red
Cap Color:	RD - Red BK - Black
Connection Type:	34 = 3/4" 10 = 1"

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: 125 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.

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MH03 Series
 Membrane Housings

- ✓ Thicker body for strength and durability
- ✓ Accepts most standard residential membranes
- ✓ NSF Standard 58 Certified
- ✓ Dual O-Ring design



MH03 SERIES MEMBRANE HOUSINGS

are manufactured with high-quality NSF approved material and will accommodate most standard membrane elements.

MH03 SERIES MEMBRANE HOUSINGS

are NSF Standard 58 certified for use in Reverse Osmosis Water Treatment Systems. MH03 Series membrane housings are available in white and black to meet your system design needs.



Tested and certified by NSF International to ANSI/NSF Standard 58 for material requirements only.

MH03 SERIES SPECIFICATIONS						
	Part Number	Description	Case Quantity	Box Dimension (in)	Weight (lbs)	Weight (kgs)
Housing	MH03-1812WH	NSF, 1.8" x 12" Membrane Housing White	24	17 x 13 x 14	26	11.79
	MH03-1812WH-QC	1.8" X 12" Membrane Housing White, Hydrofit™ QC, Double O-Ring	30	20 x 15 x 30	33	14.97
	MH03-3012	3" X 12" Membrane Housing White	15	13 x 14 x 23	29	13.15
O-Ring	MH03-ORING	O-Ring for MH03 Housing	100	-	-	-
	MH03-CAPORING	MH03 Housing Cap O-Ring	100	-	-	-

Materials of Construction

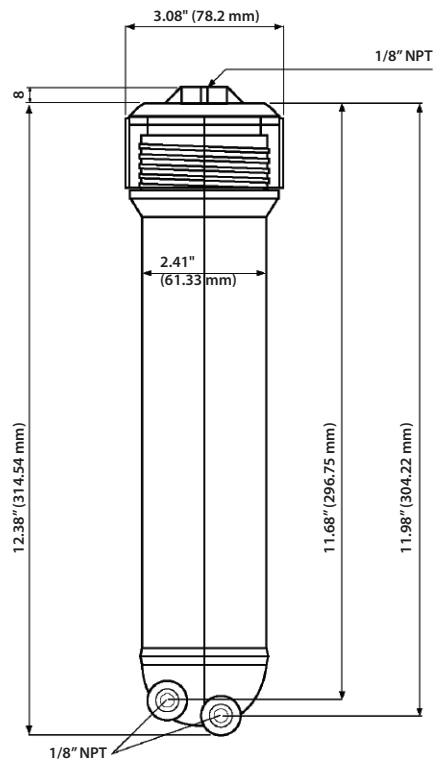
Housing:	Polypropylene
Cap:	Polypropylene
O-ring:	EPDM

Operating Data

Max. Temp:	125°F (51.7°C)
Max. Pressure:	100 psi (7 bar)

Product Features

- FDA approved material
- 90° angle outlet
- 1/8" NPT thread ports



Installation Guidelines

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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 hydronix water technology, the goods sold by hydronix water technology are purchased by the buyer "as is." Hydronix water technology 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 hydronix water technology, hydronix water technology makes no representation or warranty of any kind with respect to the products.

LIMITATION OF LIABILITY. In no event shall hydronix water technology be liable to the purchaser or any other entity for more than the invoice price received by hydronix water technology for any non-conforming products. Hydronix water technology 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 hydronix water technology has been advised of the possibility of such damages. The essential purpose of this provision is to limit the liability of hydronix water technology 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 notwithstanding the provisions of any other agreement between hydronix water technology and the purchaser.

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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