

HALO Defender H-DFR-200

A complete whole home solution for the reduction of lead, PFAS, cyst, and chlorine taste and odor.

Rugged Construction

Filter housings are made of rugged, glass-reinforced polypropylene so they will not chip, rust or dent. And because all wetted surfaces are non-metallic, they are ideal when chemical compatibility is an issue and for sea water applications.

Conserves Water!

Conserves water because back-washing is not required, making them 100% efficient.

LEAD FREE*

A Complete Whole Home Solution for the Reduction of Lead, PFAS, Cyst, and Chlorine Taste & Odor

Connection Size: 1" - 2"

Flow Rates: Up to 4 gpm (15 lpm)

HALO Defender is a complete whole home system solution that helps consumers who want to reduce lead, and Per- and polyfluoroalkyl

substances, also known as PFAS, cysts and chlorine taste and odor from the water entering their home. This system boasts high flow rates and capacities all while being simple to operate and maintain.

Lead contamination of drinking water can originate from the use of lead service lines that were used to connect houses to a city water main. PFAS contamination, which includes PFOS and PFOA, can come from the manufacturing of non-stick cookware, the use of fire fighting foams and landfills.

Lead and PFAS contamination of drinking water is a major concern for many consumers due to the health issues they may cause. According to the USEPA, lead can cause behavior, learning, and low IQ problems in children as well as kidney and cardiovascular issues in adults. While the risks associated with PFAS chemicals are still largely unknown, the USEPA says studies indicate exposure to PFOS and PFOA can cause reproductive and developmental, liver and kidney, and immunological effects, as well as tumors, in laboratory animals.

Both lead and PFAS are not easily broken down by the body and can accumulate overtime.

HALO's H-DFR-200 system is certified to NSF/ANSI Standards for the reduction of Lead, PFAS, Cysts, and Chlorine.

This system is rated for whole home point of entry applications with certified continuous flow rates up to 4 gpm (15 lpm) and has a filter cartridge lifespan of up to 84,480 gallons for lead, PFAS and chlorine. If higher flow rates or capacities are required, multiple systems can be installed in parallel.

Feed Water Requirements

Please review operating pressures, temperatures and water chemistry limitations to ensure compatibility.

pH	6.5 to 8.5
Min/Max Water Pressure	25psi to 125psi / 172 kPa to 861 kPa
Min/Max Water Temperature	34 to 125°F / 1 to 52°C (125°F / 52°C at 80psi maximum pressure)
Free Chlorine (maximum)	2.0 mg/L
Iron (maximum)	0.3 mg/L
Manganese (maximum)	0.05 mg/L
Oil and H ₂ S	None Allowed
Turbidity/Sediment	Pre-filter inlet water with 5 micron sediment filter if sediment/turbidity pre-vents H-DFR-200 filter cartridge from achieving full volume capacity
System Electrical Requirements	2 AA Alkaline Batteries



E-Z Change-Out

Cartridge replacement is easy as 1-2-3:

1. Remove swing bolts.
2. Remove lid.
3. Rotate cartridge 1/4 turn and pull-up.



Parallel installation

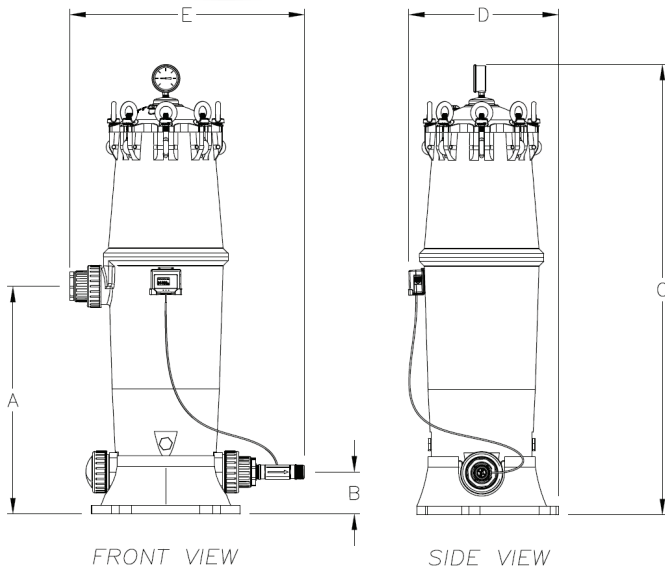
Parallel installations are recommended to achieve high flow rates, by installing filters on a common manifold, feeding all filters installed in a row.

Series installation

Series installations are recommended for applications such as surface water filtration, where cartridges having different micron ratings are used.

SAY *hello* TO

HALO
WATER SYSTEMS



SYSTEM MODEL NO. HD-200	
Minimum/Maximum Operating Temperature*	34 to 125°F / 1 to 52°C (125°F / 52°C at 80psi Maximum Pressure)
Minimum/Maximum Operating Pressure*	25psi to 125psi / 172 kPa to 861 kPa
Maximum Continuous Flow Rate for Lead & PFAS Reduction**	4 GPM (15 lpm)
Maximum Flow Rate for Chlorine Reduction***	13 GPM (49.2 lpm)
Maximum Flow Rate for Chloramine Reduction***	7 GPM (26.4 lpm)
Inlet and Outlet Connection Size/Type	1" NPT
Unfiltered Water Housing Drain Port Connection Size/Type	1/2" FNPT
Filter Housing Body Material	Glass Reinforced Polypropylene
Inlet Pressure Gauge Port	1/4" FNPT Brass Reinforced
Inlet Pressure Gauge Included	Yes
Swing Bolts (Lid) Material	304 Stainless Steel
O-ring (Lid) Material	EPDM
O-ring (Plumbing Adaptors) Material	EPDM
Nominal Micron Rating	0.5 Micron Nominal
Filter Housing Anchor Kit Included	Yes- 3/8" Concrete Anchors (X3)
Number of Filter Cartridges	1
Filter Cartridge Media Type	Lead Adsorption Carbon Block
Filter Cartridge End Cap Material/Color	Glass Reinforced Polypropylene/Green
Filter Cartridge Top Endcap Includes Handle	Yes
Filter Cartridge O-ring (Dual) Material	EPDM
Maximum Allowable Filter Cartridge Pressure Drop	40psi Drop

Dimension — Weights

MODEL NO.	DIMENSIONS										SHIPPING WEIGHTS		OPERATING WEIGHT	
	A		B		C*		D		E		lbs.	kgs	lbs.	kgs
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm				
H-DFR-200	21.6	549	3.9	99	42.6	1082	14.2	361	22.3	566.4	64	29	123	56

*Allow 36" clearance above the top of the system for filter cartridge replacement.

All dimensions are +/- 1" and are subject to change without notice.

MODEL NO.	DESCRIPTION	PACKAGING DIMENSION W X D X H	SHIPPING WEIGHT	
			LBS	KGS
H-DFR-200	HALO Defender Complete Whole Home Solution for the Reduction of Lead, PFAS, Cyst, and Chlorine Taste & Odor	16.5" x 16.5" x 43"	64	29
HD-DFR-CRC	HALO Defender Carbon Block Filter Cartridge for the Reduction of Lead, PFAS, Cyst, and Chlorine Taste & Odor	10.75" x 35" x 10.75"	20	9
HD-DFR-SRC*	HALO Defender Whole house sediment filter *Sediment filter comes with 2" connections and is rated up to 150gpm	10.75 x 35" x 10.75"	1	0.5

HALO Defender - H-DFR-200

HALO Defender Sediment
Replacement Cartridge
HD-DFR-SRC

HALO Defender - H-DFR-200

HALO Defender Carbon
Replacement Cartridge
HD-DFR-CRC



Model No. H-BC-200

Model No. H-BC-P5

Model No. H-DFR-200

Model No. HD-DFR-RC