



Cartridge Coupler

Coupler allows you to join two 10" cartridges to fit a 20" housing, or join three 10" cartridges for a 30" housing. Compatible with all 10" cartridges on pages 258–259.

[GH-01508-39](#) Cartridge coupler

H. Premium Carbon-Impregnated Cartridges (not shown). The pleated design offers higher flow rates and dirt-loading capacities than shorter-life block cartridges. Resists chemical attack and biofilm buildup making the filter ideal for both chlorinated and non-chlorinated water treatment applications.

The powdered carbon reduces chlorine taste/odor while the media removes sediment larger than 10 µm. The 10" cartridge can treat approximately 4000 gallons at 1 gpm for chlorine^{††}; suitable to 150°F (66°C).

µm rating, nominal	Flow rate ^{‡‡}	Length	Catalog number	Price
10	3 GPM at <1 psid	10" (25.4 cm)	GH-29830-30	
	5 GPM at <1 psid	20" (50.8 cm)	GH-29830-31	

I. Granular-Activated Carbon Cartridges. These cartridges remove organic tastes/odors and chlorine plus reduce MTBE concentrations. Design reduces channeling or bypass common with GAC cartridges. Included within the cartridge is a 20-micron post-filter to reduce carbon fines^{††}. Optimal design flow is 1 GPM or less per 10" length. Meet NSF Standard 42 for materials; suitable to 125°F (52°C).

µm rating, nominal	Flow rate ^{‡‡}	Length	Catalog number	Price
20	1 GPM at 3.0 psid	10" (25.4 cm)	GH-01508-92	
	2 GPM at 15.0 psid	20" (50.8 cm)	GH-01508-95	

J. Carbon Block Cartridges with Cyst Removal. The bonded powdered activated carbon filter removes organic tastes and odors, chlorine and sediment. Ideal for low or highly variable flow applications since flow cannot channel through the media like granular carbon cartridges^{††}; *Cryptosporidium* and *Giardia* cysts are also removed. The 10" cartridge can treat approximately 20,000 gallons at 1 gpm for chlorine^{††}. Cartridges are made from FDA-compliant materials and meet NSF Standard 42 for materials. suitable to 180°F (82°C).

µm rating, nominal	Flow rate ^{‡‡}	Length	Catalog number	Price
0.5	1 GPM at 3.7 psid	10" (25.4 cm)	GH-01508-93	
	2 GPM at 3.0 psid	20" (50.8 cm)	GH-01508-97	

K. Carbon Cartridge—Bacteriostatic. Removes chlorine and organic chemicals for odor reduction and better taste; treats up to 3500 gallons. Contains a silver impregnated carbon to inhibit the growth of bacteria. Recommended as pretreatment to DI systems, cycling systems with long down times and other applications where effective media carbon filtration is required. Operating temp up to 90°F (32°C). **Note:** Not suitable with DOE housings 01508-40 and -41 on page 257.

µm rating, nominal	Flow rate ^{‡‡}	Length	Catalog number	Price
25	1 GPM at 4 psid	10" (25.4 cm)	GH-01508-91	

L. Mixed-Bed Deionization Cartridges. Designed for removal of dissolved solids and TOC (total organic carbon) compounds down to 16 MΩ water purity. Suitable to 100°F (38°C); all materials are FDA-compliant.

Capacity (as CaCO ₃)	Flow rate	Length	Catalog number	Price
270 grains	0.25 GPM	10" (25.4 cm)	GH-29830-63	
600 grains	0.50 GPM	20" (50.8 cm)	GH-29830-64	
1850 grains	1.25 GPM	20" (50.8 cm)	GH-29830-65	

M. Chlorine/Organics/Lead Reduction Cartridges. These cartridges combine activated carbon for chlorine, VOC, and MTBE reduction, along with an adsorbent medium for lead and mercury reduction. The filter media also removes fine sediment larger than 0.5 micron to 99.95%, including *Giardia* and *Cryptosporidium* cysts. Ideal for residential drinking water systems and deionized water recirculating systems.

Lead/mercury removed up to 2000 gal. (nominal); chlorine removed up to 20,000 gal. (nominal); VOC/MTBE removed up to 500-600 gal. Cartridges meet NSF Standard 42 for materials and chlorine taste/odor reduction. Suitable to 165°F (74°C).

µm rating, nominal	Flow rate ^{‡‡}	Length	Catalog number	Price
0.5	1 GPM at 3.3 psid	10" (25.4 cm)	GH-29830-40	

N. Hardness/Iron Reduction Cartridges. Hexametaphosphate crystals dissolve to inhibit scale formation and iron precipitation and also to prevent system corrosion. Water heaters, food-service systems, air conditioning systems, and steamers are typical applications that benefit from this cartridge.

The FDA-compliant cartridge has a typical life of up to six months. Water being treated should have less than 257 mg/L (ppm) hardness, a pH range of 6.5 to 9.0, and maximum 1 ppm soluble iron. Cartridge is suitable to 100°F (38°C).

Flow rate, recommended	Length	Catalog number	Price
1.5 to 2.5 GPM	10" (25.4 cm)	GH-29830-60	

O. Reverse Osmosis Pretreatment Cartridges. Thermally bonded gradient-density polypropylene for RO pretreatment and other pure water applications offers up to twice the life of conventional depth filters. The filter media meets the food contact requirement of US FDA 21CFR. Applications include bottled water, beverage, and electronics. Suitable to 160°F (71°C).

µm rating, nominal	Flow rate ^{‡‡}	Length	Catalog number	Price
1	3.2 GPM at 1.0 psid	10" (25.4 cm)	GH-29831-63	
1	6.4 GPM at 1.0 psid	20" (50.8 cm)	GH-29831-67	
5	6 GPM at 1.0 psid	10" (25.4 cm)	GH-29831-61	
5	12 GPM at 1.0 psid	20" (50.8 cm)	GH-29831-65	

P. Well-Injection Gradient-Density Cartridges. For deep-well injection, produced water filtration, water flood/enhanced oil recovery, brine filtration, and sea water filtration. Thermally bonded polypropylene offers up to twice the life of conventional depth filters and up to 50% lower pressure drop. Suitable to 160°F (71°C).

µm rating, nominal	Flow rate ^{‡‡}	Length	Catalog number	Price
1	5 GPM at 0.92 psid	20" (50.8 cm)	GH-29831-75	
5	5 GPM at 0.45 psid	20" (50.8 cm)	GH-29831-73	
10	5 GPM at 0.35 psid	20" (50.8 cm)	GH-29831-69	
20	5 GPM at 0.3 psid	20" (50.8 cm)	GH-29831-71	

^{††}At start-up, may contain leachable carbon dust; flush system well after installation.

^{‡‡}psid refers to pounds per square inch pressure drop through the filter system. For optimal performance, change cartridges at 25 psid.

^{†††}Filtration efficiency and chlorine reduction efficiency are reduced at higher flow rates; chlorine capacity based on 75% reduction using 2 ppm free chlorine feed concentration at 68°F (20°C).