

Industrial filter housings with proprietary pleated cartridges for high flow rates and superior filtration.



Filter housings are available in carbon and stainless steel for commercial, industrial and small community water filtration applications.

Filter housing features and benefits

- Rugged construction for heavy-duty performance
- Rated for pressures to 150 PSI (10 bar)
- Standard models for flow rates up to 1500 GPM
- Swing bolt lids with davit assist for ease-of-use
- 304, 316 & carbon steel construction
- ASME design, with U-stamp available
- Models with 1, 3, 5 and 8 cartridges are standard

Filter cartridge features and benefits

- Cartridges are 40" long x 6-3/8" OD for high flow
- Filter media is 100% synthetic (no cellulose)
- Pleated design for low pressure drop & long life
- Cartridges are cleanable and reusable to lower costs*
- Wide range of micron ratings are available
- End caps have o-ring seals for superior performance

*In water filtration, five micron and up.

Specifications

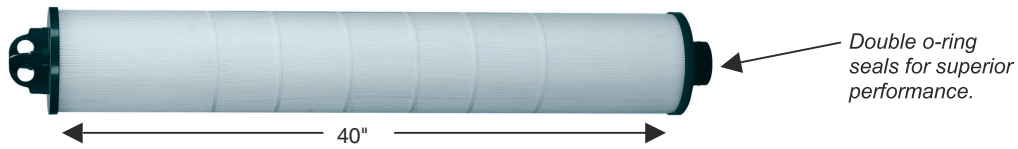
Temperature ratings	250°F (housings) 175° F (cartridges)
Pressure drop, vessel	< 2 psi (empty)
Max. flow, 1 Absolute cartridges	50 GPM per 40" high-flow cartridge*
Max. flow, 1 micron nominal	100 GPM per 40" high-flow cartridge*
Max. flow, 5 micron nominal	125 GPM per 40" high-flow cartridge*
Max. flow, 20 micron nominal	150 GPM per 40" high-flow cartridge*
Max. flow, 50 & 100 micron nominal	200 GPM per 40" high-flow cartridge*
Lid gaskets	Buna-N (standard); others available

Models

Model Number	Material	Max. Flow (GPM)*	Cartridges	Pipe Size	Drain	Vent
BBH-40-1-CS	Carbon steel	200	1	3" FNPT	1" FNPT	1/4"
BBH-40-3-CS	Carbon steel	600	3	4" Flange	1" FNPT	1/2"
BBH-40-5-CS	Carbon steel	1,000	5	8" Flange	1" FNPT	1/2"
BBH-40-8-CS	Carbon steel	1,500	8	12" Flange	1" FNPT	1/2"
BBH-40-1-30	304 stainless	200	1	3" FNPT	1" FNPT	1/4"
BBH-40-3-304	304 stainless	600	3	4" Flange	1" FNPT	1/2"
BBH-40-5-304	304 stainless	1,000	5	8" Flange	1" FNPT	1/2"
BBH-40-8-304	304 stainless	1,500	8	12" Flange	1" FNPT	1/2"
BBH-40-1-316	316 stainless	200	1	3" FNPT	1" FNPT	1/4"
BBH-40-3-316	316 stainless	600	3	4" Flange	1" FNPT	1/2"
BBH-40-5-316	316 stainless	1,000	5	8" Flange	1" FNPT	1/2"
BBH-40-8-316	316 stainless	1,500	8	12" Flange	1" FNPT	1/2"

*Actual flow rates are based on micron rating, solids content and other factors. Please refer to pressure drop charts for more information.

Watts® brand high-flow pleated cartridges for greater throughput

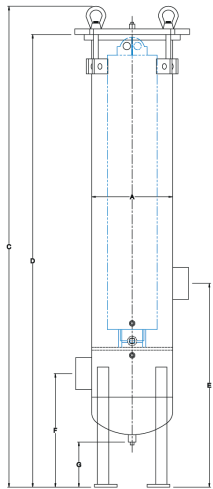


Watts® brand pleated cartridges outperform wound, spun, melt blown, resin bonded and other depth type cartridges because they are pleated to provide greater surface area and more throughput for longer life. Low pressure-drop is another advantage, allowing for increased flow rates and the use of smaller filter housings. Our 100% synthetic filter media is washable, so cartridges are reusable (five micron and up) to reduce filtration costs. Watts brand 40" high-flow cartridges are available in a wide range of removal ratings, including one micron absolute, 1, 5, 20, 50 and 100 micron, nominal.

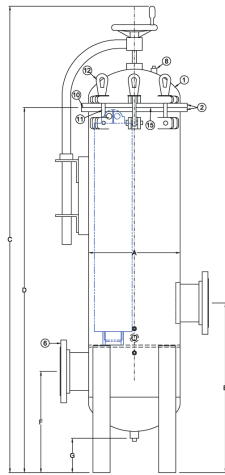
Filter cartridge product codes

Product code	Micron Rating	Media	Length	OD	Shipping Weight
BBC-40-P1A	1 Absolute	PP	40"	6-3/8"	10 lbs.
BBC-40-P1	1	PP	40"	6-3/8"	10 lbs.
BBC-40-P5	5	PP	40"	6-3/8"	10 lbs.
BBC-40-P20	20	PE	40"	6-3/8"	10 lbs.
BBC-40-P50	50	PE	40"	6-3/8"	10 lbs.
BBC-40-P100	100	PE	40"	6-3/8"	10 lbs.

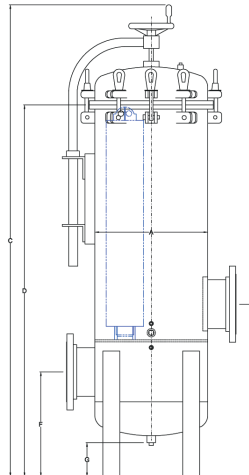
Filter housing dimensional drawings



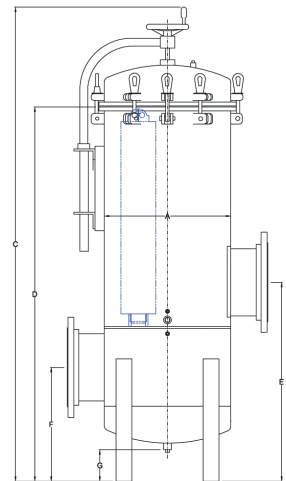
1 high-flow cartridge



3 high-flow cartridges



5 high-flow cartridges



8 high-flow cartridges

Model	A Diameter	B Width (flange to flange)	C Overall Height (including davit)	D Operating Height	E Floor to Inlet Center Line	F Floor to Outlet Center Line	G Floor to Filter
BBH-40-1	10.75"	15.0"	63.98"	60.23"	27.11"	15.11"	6"
BBH-40-3	16.0"	26.0"	79.71"	61.97"	28.72"	16.72"	6"
BBH-40-5	20.0"	30.0"	83.60"	65.86"	30.54"	15.54"	6"
BBH-40-8	24.0"	38.0"	89.92"	70.98"	37.73"	21.61"	6"

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