

For Residential and Light Commercial Applications

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor's P.O. No. _____

Approval _____

Representative _____

Series PWPL

Pleated Filter Cartridges

Greater surface area for longer life and reduced filtration costs.

Watts Pleated filter cartridges outperform wound, spun, melt blown, resin bonded, and other "depth" type filter elements because of our high surface area.

Lower pressure drop is another significant advantage. Using pleated cartridges allows for increased flow rates and the use of smaller filter housings to reduce capital equipment costs.

Further savings are provided because our 100% synthetic filter media is cleanable, 5 micron and up, to lower cartridge replacement costs. Pleated filter cartridges outperform other pleated elements because our high-performance filter media is systematically produced using 100% synthetic fibers, with no binders or additives to leave a residue, foam or contaminate.

Our filter media is dramatically thicker than other products. For this reason, Pleated cartridges provide "depth" filtration for greater sediment removal, along with more surface area.

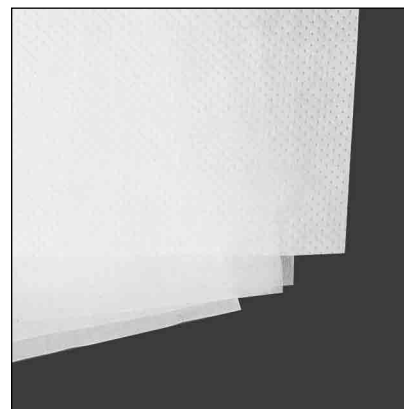
Features

- Filter media is pleated for greater surface area
- Synthetic filter media is cellulose-free
- "Thicker" filter media has a greater capacity to capture and retain particles, compared to thin, more rigid media types, which have less void space for particle retention
- One micron absolute and 0.35 media use a multi-ply laminate for superior performance
- Long lengths have netting to hold pleats in place
- All cartridge types and lengths are wrapped
- Full product line (Large selection of types, lengths & micron ratings)
- Low pressure drop, long life, and reduced filtration costs, compared to wound and spun cartridges
- No additives or binders, which may cause foaming
- Increased dirt holding capacity, longer life, fewer cartridge replacements needed, and reduced filtration costs, compared to other pleated cartridge suppliers
- Increased particle removal efficiency
- Superior performance and appearance

PURE WATER



Pleated Filter Cartridges

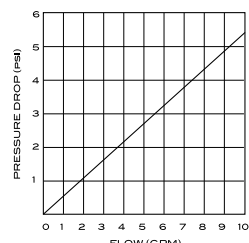


A multi-ply laminate is used with our sub and one micron absolute grades for longer life and greater solids removal.

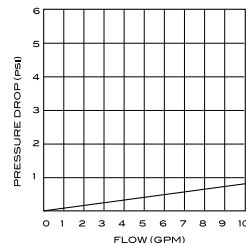
Note: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

Lower pressure drop for higher flow rates

These cartridges are pleated, so initial pressure drop is significantly less compared to depth cartridges, such as wound, spun, melt blown and resin bonded. As a result, higher flow rates are possible, reducing filter housing size requirements to lower capital equipment costs.

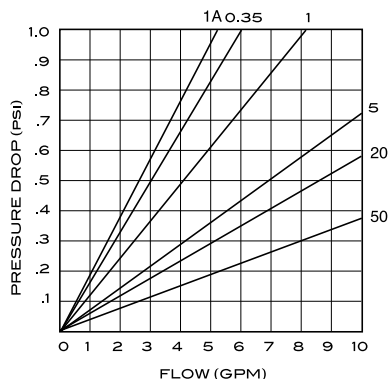


Depth Cartridge
(5 micron)

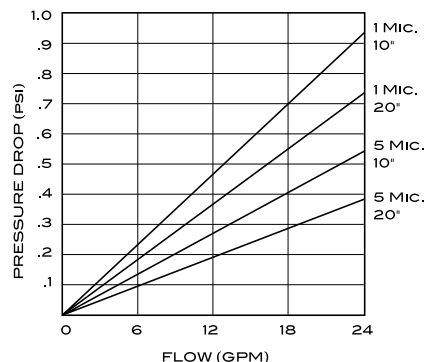


Pleated® Cartridge
(5 micron)

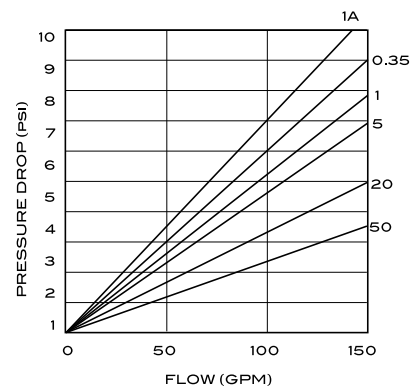
Use the pressure drop charts shown below to help determine the ideal flow rate for your particular application:



Standard Cartridges (9 1/4")



Big Blue (B-B) Cartridges



Jumbo Cartridges

Note: Pressure drop data shown above include filter housing and cartridge.

Flow rates

Maximum flow rate guidelines for our cartridges are shown below:

Micron Rating	MAXIMUM FLOW RATES PER CARTRIDGE (GPM)							
	Standard Cartridge			10" Big Blue	20" Big Blue	Jumbo Cartridge		
	9 1/4"	20"	29 1/4"			40	90	170
1 Absolute	3	6	9	8	12	20	40	80
0.35 Micron	4	8	12	9	13	25	50	100
1 Micron	4	8	12	10	15	30	60	120
5 Micron	7	14	21	15	25	50	100	150
20 Micron	8	16	24	15	25	50	100	150
50 Micron	10	20	30	15	25	50	100	150

Note: Filter housing selection should also be considered when flow rate per cartridge is determined.



Washable & reusable

Our cartridges (5 micron and up) are washable and reusable, to reduce filtration costs. For best results, direct spray into pleats to dislodge sediment. Or, let dry and brush off filter cake from surface of the media.

All cartridges
are individually
shrink wrapped
for purity

Pleated Filter Cartridges

Greater surface area for longer life and reduced filtration costs.



PWPL10



PWPL195



PWPL40

Standard 2¾" OD x 9¾" Length

MODEL NO.	MEDIA TYPE	MICRON RATING	NUMBER PER CASE
PWPL10M1AB	Synthetic	1 Absolute	24
PWPL10M.35	Synthetic	0.35	24
PWPL10M1	Synthetic	1	24
PWPL10M5	Synthetic	5	24
PWPL10M20	Synthetic	20	24
PWPL10M50	Synthetic	50	24
PWPL10M100	Synthetic	100	24

Standard 2¾" OD x 19½" Length

MODEL NO.	MEDIA TYPE	MICRON RATING	NUMBER PER CASE
PWPL195M1	Synthetic	1	24
PWPL195M5	Synthetic	5	24
PWPL195M20	Synthetic	20	24

Standard 2¾" OD x 20" Length

MODEL NO.	MEDIA TYPE	MICRON RATING	NUMBER PER CASE
PWPL20M1AB	Synthetic	1 Absolute	24
PWPL20M.35	Synthetic	0.35	24
PWPL20M1	Synthetic	1	24
PWPL20M5	Synthetic	5	24
PWPL20M20	Synthetic	20	24
PWPL20M50	Synthetic	50	24

Standard 2¾" OD x 40" Length

MODEL NO.	MEDIA TYPE	MICRON RATING	NUMBER PER CASE
PWPL40M1	Synthetic	1	24
PWPL40M5	Synthetic	5	24
PWPL40M20	Synthetic	20	24
PWPL40M50	Synthetic	50	24

Specifications

Filter media	Synthetic (100% cellulose-free)
End caps	Plastisol (PVC)
Center tubes	Polypropylene
Temperature range	40°F - 140°F (4.4°C - 60°C)
Maximum Pressure	40 PSID
Recommended change out	20 - 30 PSID
Flow rate per 10" cartridge	3-10 GPM, depending on micron rating

Pleated Filter Cartridges

Greater surface area for longer life and reduced filtration costs.



PWPL10BB

Big Blue (B-B) 4½" OD x 9¾" Length

MODEL NO.	LENGTH	MEDIA TYPE	MICRON RATING	NUMBER PER CASE
PWPL10BBM1AB	9¾"	Synthetic	1 Absolute	8
PWPL10BBM.35	9¾"	Synthetic	0.35	8
PWPL10BBM1	9¾"	Synthetic	1	8
PWPL10BBM5	9¾"	Synthetic	5	8
PWPL10BBM20	9¾"	Synthetic	20	8
PWPL10BBM50	9¾"	Synthetic	50	8

Note: Cartridges listed above fit in Full-Flow and Big-Blue® filter housings.



PWPL20BB

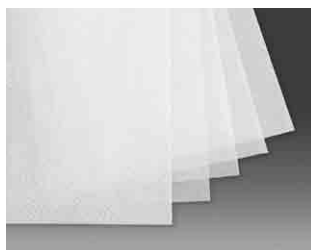
Big Blue (B-B) 4½" OD x 20" Length

MODEL NO.	LENGTH	MEDIA TYPE	MICRON RATING	NUMBER PER CASE
PWPL20BBM1AB	20"	Synthetic	1 Absolute	4
PWPL20BBM.35	20"	Synthetic	0.35	4
PWPL20BBM1	20"	Synthetic	1	4
PWPL20BBM5	20"	Synthetic	5	4
PWPL20BBM20	20"	Synthetic	20	4
PWPL20BBM50	20"	Synthetic	50	4

Note: Cartridges listed above fit in Full-Flow and Big-Blue® filter housings.

Specifications (synthetic media for sediment)

Maximum temperature	140°F (60°C)	Center tubes	PVC
Minimum temperature	40°F (4.4°C)	End caps	Molded Urethane
Maximum pressure	40 PSID	Maximum flow rate, model 40	50 GPM (12m3HR)
Recommended change out	25-30 PSID	Maximum flow rate, model 90	100 GPM (24m3HR)
Filter media	PE & PP	Maximum flow rate, model 170	150 GPM (36m3HR)



Highly efficient, five ply filter media

Our one micron absolute and 0.35 micron filter cartridges use a five ply filter media for greater efficiency and longer life. They are ideal for surface water filtration to reduce Cryptosporidium and Giardia cysts.

Jumbo Filter Cartridges

For S.S. (stainless steel) series Jumbo Filter Cartridge Housings with cellulose-free synthetic and mesh media in a wide range of micron ratings.



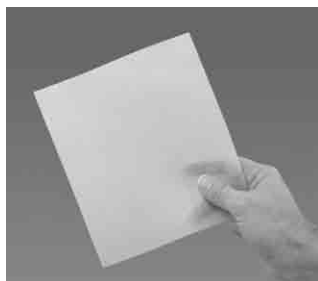
PWPL40



PWPL90



PWPL170



PP Mesh Media

PWPL40

FILTER HOUSING MODEL NO.	MICRON RATING	MODEL NO. WITH SYNTHETIC MEDIA	NUMBER PER CASE
40	1 Absolute	PWPL40M1AB	1
	0.35	PWPL40M.35	1
	1	PWPL40M1	1
	5	PWPL40M5	1
	20	PWPL40M20	1
	50	PWPL40M50	1
	100	PWPL40M100	1

PWPL90

FILTER HOUSING MODEL NO.	MICRON RATING	MODEL NO. WITH SYNTHETIC MEDIA	NUMBER PER CASE
90	1 Absolute	PWPL90M1AB	1
	0.35	PWPL90M.35	1
	1	PWPL90M1	1
	5	PWPL90M5	1
	20	PWPL90M20	1
	50	PWPL90M50	1
	100	PWPLM90M100	1

PWPL170

FILTER HOUSING MODEL NO.	MICRON RATING	MODEL NO. WITH SYNTHETIC MEDIA	NUMBER PER CASE
170	1 Absolute	PWPL170M1AB	1
	0.35	PWPL170M.35	1
	1	PWPL170M1	1
	5	PWPL170M5	1
	20	PWPL170M20	1
	50	PWPL170M50	1
	100	PWPLM170M100	1



A Watts Water Technologies Company

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