

Pleated Filter Cartridges

Greater surface area, longer life, reduced filtration costs!

Watts pleated cartridges outperform wound, spun, melt blown, resin bonded and other “depth” style filter elements because our pleated cartridges provide increased surface area, lower pressure drop and longer service life. Our 100% synthetic media is washable and cleanable, five micron and up, to reduce filtration costs.

Features

- Filter media is pleated
- Cellulose-FREE, 100% synthetic media
- Wide range of lengths and micron ratings
- Individually wrapped for purity
- Washable and reusable, 5 micron and up
- Micron rating is embossed in the end cap
- Economical price

Benefits

- More surface area for greater dirt holding capacity; lower initial pressure drop; higher flow rates; longer life; reduced filtration costs
- Superior performance with no additives or binders to break down which may cause foaming and filter degradation
- Full product line to satisfy your application
- Additional security at no additional charge
- Reduce filter replacement costs
- Easily identify standard OD replacements
- Reduced filter costs for higher profits



Pleated cartridges have eight times the surface area as depth cartridges!

**This is why Watts® pleated cartridges cost less to use,
regardless of what they cost to buy!**

Pleated Filter Cartridges – Watts

Not all pleated cartridges perform the same!

“Ours”



“Theirs”



VS.

The difference is the media!

Watts, cellulose-free, 100% synthetic filter media allows the pleats to retain their form, maintaining a large amount of surface area. This allows the cartridge to handle higher solids loading and flow rates with a lower pressure drop that increases the filter efficiency and life, while reducing filter change out costs and frequency.

VS.

The cellulose blended pleats collapsed on one another, blinding off large amounts of the cartridges surface area. Premature blinding of the surface area reduces the flow capacity and efficiency while it raises the differential pressure, and contributes to a limited filter life and frequent filter change outs.

Flow Rates

Maximum flow rate guidelines for watts cartridges are shown below:

MICRON RATING (NOMINAL)	STANDARD CARTRIDGES (2-3/4" OD)			FULL-FLOW	
	9-3/4"	20"	29-1/4"	9-3/4"	20"
1 Micron	4	8	12	10	15
5 Micron	7	14	21	15	25
20 Micron	8	16	24	15	25
50 Micron	10	20	30	15	25

Watts Pleated Specifications

Maximum temperature	140°F (60°C)
Minimum Temperature	40°F (4.4°C)
Maximum pressure	40 psid
Recommended change out	25 psid
Filter media (1 & 5 micron)	Polypropylene
Filter media (20 & 50 micron)	Polyester
Material - center tube	Polypropylene
Material - end caps	Molded Polyurethane
ID	1-1/6"

Washable And Reusable

Watts pleated cartridges are washable and reusable, five micron and up to reduce filtration costs. For best results, direct spray into the pleats to dislodge the sediment.



Standard cartridges (2-3/4" OD)



Full-Flow Cartridges (4-1/2" OD)

Standard 2-3/4" OD X 9-3/4" Length

MODEL NO.	MEDIA TYPE	MICRON	MICRON IDENTIFIER	CASE / QTY
PL-1-210	Synthetic	1	Embossed	25
PL-5-210	Synthetic	5	Embossed	25
PL-20-210	Synthetic	20	Embossed	25
PL-50-210	Synthetic	50	Embossed	25

Standard 2-3/4" OD X 20" Length

MODEL NO.	MEDIA TYPE	MICRON	MICRON IDENTIFIER	CASE / QTY
PL-1-220	Synthetic	1	Embossed	25
PL-5-220	Synthetic	5	Embossed	25
PL-20-220	Synthetic	20	Embossed	25
PL-50-220	Synthetic	50	Embossed	25

Standard 2-3/4" OD X 29-1/4" Length

MODEL NO.	MEDIA TYPE	MICRON	MICRON IDENTIFIER	CASE / QTY
PL-5-230	Synthetic	5	Embossed	25
PL-20-230	Synthetic	20	Embossed	25
PL-50-230	Synthetic	50	Embossed	25

Standard 2-3/4" OD X 40" Length

MODEL NO.	MEDIA TYPE	MICRON	MICRON IDENTIFIER	CASE / QTY
PL-5-240	Synthetic	5	Embossed	25

Full-Flow 4-1/2" OD X 9-3/4" Length

MODEL NO.	MEDIA TYPE	MICRON	MICRON IDENTIFIER	CASE / QTY
PL-1-410	Synthetic	1	Embossed	18
PL-5-410	Synthetic	5	Embossed	18
PL-20-410	Synthetic	20	Embossed	18
PL-50-410	Synthetic	50	Embossed	18

Full-Flow 4-1/2" OD X 20" Length

MODEL NO.	MEDIA TYPE	MICRON	MICRON IDENTIFIER	CASE / QTY
PL-1-420	Synthetic	1	Embossed	9
PL-5-420	Synthetic	5	Embossed	9
PL-20-420	Synthetic	20	Embossed	9
PL-50-420	Synthetic	50	Embossed	9