

For Residential and Commercial Applications

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor's P.O. No. _____

Approval _____

Representative _____

Watts® Jumbo Cartridges and Housing

Whole House Water Treatment and Commercial Filtration

Ideal for whole house water treatment and commercial filtration with optional activated carbon cartridge to remove chlorine bad tastes, foul odors and sediment.

Rugged Construction

Filter housings are made of rugged, glass-reinforced polypropylene with brass reinforced gauge port so they won't chip, rust or dent.

Low Cost

Watts Jumbo filters are an economical alternative to costly stainless steel filtration equipment.

Applications

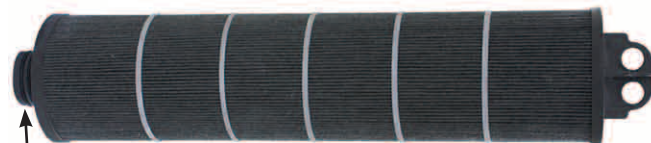
Watts® Jumbo Cartridges are ideal for a wide range of applications, including:

- Whole house filtration
- Commercial filtration
- Industrial filtration
- Pre-filtration for reverse osmosis equipment
- Community water systems
- Sea water applications due to their non-corrosive construction
- Ideal replacement for bag filters
- A convenient alternative to multiple cartridge filters
- Water for livestock and poultry

Conserves Water!

Watts Jumbo Cartridge Filter Systems are 100% efficient because no backwashing is required. Valuable water is conserved with no waste.

PURE WATER



Double O-Rings for superior sealing

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.



PWWJC

*For applications where non-metallic construction is required, order lid without brass reinforced gauge port separately.

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

Three Cartridge Types

- Pleated, for flow rates up to 150 GPM using 100% cellulose free media (5 micron and up are cleanable).
- Low cost Melt Blown for depth filtration.
- Activated carbon removes chlorine tastes, odors and sediment. Ideal for whole house treatment to 15 GPM offering 140,000 gallon capacity.



PWWJCP

Pleated Cartridges

Ideal for more critical applications, offering greater efficiency, more surface area for greater throughput and reduced cost.

MODEL NUMBER	MEDIA TYPE	MICRON RATING	PER CASE
PWWJCP1AB	PP	1 Absolute	1
PWWJCP1	PP	1	1
PWWJCP5	PP	5	1
PWWJCP20	PP	20	1
PWWJCP50	PP	50	1
PWWJCM150	Mesh	150	1

Note: 5, 20, 50 and 150 micron cartridges are cleanable and reusable to reduce costs.



PWWJCMB

Depth Cartridges

Melt blown Polypropylene cartridges are recommended when depth filtration is necessary for the reduction of soft particulate.

MODEL NUMBER	MEDIA TYPE	MICRON RATING	PER CASE
PWWJCMB1	PP	1	1
PWWJCMB5	PP	5	1
PWWJCMB20	PP	20	1
PWWJCMB50	PP	50	1



PWWJCAC5

Activated Carbon Cartridge

Ideal for whole house filtration to reduce chlorine, taste, odors and sediment.

MODEL NUMBER	MAX. FLOW	CAPACITY	CHLORINE REDUCTION
PWWJCAC5	15 GPM	140,000 Gals.	90%

Note: We build filtration systems, or they may be installed on site.

For more information please inquire!

Specifications

Jumbo Cartridge Filter Housing

Specifications	Data
Body	Glass reinforced PP
Gauge port	1/4" FNPT brass reinforced
Swing bolts	304 stainless steel
O-ring (lid)	EPDM
Pipe fittings	2" slip PVC female
Overall height	42.7"
Width (vessel OD)	15.4"
Maximum temperature	125°F (52°C) @ 80 PSI
Maximum working pressure	125psi (8.75 bar)

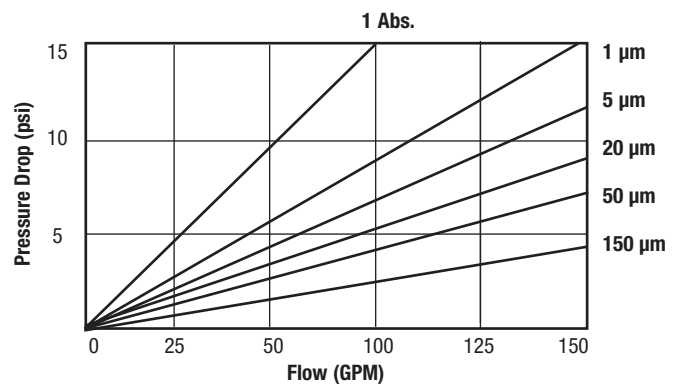
Low Pressure Drop

Jumbo Cartridge Filter Systems are designed to minimize pressure drop, by using 2" pipe fittings and large diameter center tubes. (See chart at right for pressure drop data using pleated cartridges.)

Jumbo Cartridge Filters

Specifications	Data
Maximum flow rate (Pleated)	150 GPM* (34 M3/hr.)
Max. flow rate (1 Micron Absolute)	50 GPM (11.3 M3/hr.)
Max. flow rate (Depth)	100 GPM (22.7 M3/hr.)
Max. flow rate (Activated Carbon)	15 GPM (3.4 M3/hr.)
Cartridge end caps	Glass reinforced PP
O-rings (cartridge)	EPDM

* Highly dependent on micron rating, solids content and other factors. Please see pressure drop chart below.



Watts® Jumbo Cartridge Specifications

	Pleated	Depth	Activated Carbon
Media	PP	PP	Activated carbon
End caps	PP + FG	PP + FG	PP + FG
Center tubes	PP	PP	PP
Maximum flow rate (GPM)	150	100	15
Maximum temperature	125°F (52°C)	125°F (52°C)	125°F (52°C)
Maximum ΔP (psi)	30	40	30
Chemical resistance	Excellent	Excellent	Not a factor (for water only)
Length (media)	26-1/4"	26-1/4"	26-1/4"
O-rings (dual)	EPDM	EPDM	EPDM
Shipping weight (lbs.)	5	5	5
Carton dimensions	7" x 7" x 31"	7" x 7" x 31"	7" x 7" x 31"
Micron ratings	1A, 1 & 5*, 20 & 50**, 150***	1, 5, 20, 50	5

*Polypropylene fabric

**Polyester fabric

***Polypropylene mesh screen

Note: Flow rates are based on each specific application, micron rating, solids content and a number of other factors. End user should consider these factors when selecting the filter housing (or number of filter housings) needed for their particular requirement.



A Watts Water Technologies Company

ES-WQ-PWWJC 1225



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