

**Model Numbers:** 

W10, W10PR, W10J25mm, W20J40mm

# DEPEND ON DAVEY

WATER PRODUCTS



## CARTRIDGE HOUSINGS

## PRODUCT DESCRIPTION

Water filtration and/or purification cartridge housings to suit 10" Standard, 10" Jumbo or 20" Jumbo cartridges.

Part Number	Comment	Cartridge	Inlet/Outlet (F)
W10	White Standard suit single tap	10"	15mm (¹/₂")
W10PR	White Standard suit single tap with pressure relief	10"	20mm (³/₄")
W10J25mm	White Jumbo to suit whole of house with pressure relief	10"	25mm (1")
W20J40mm	White Jumbo to suit whole of house with pressure relief	20"	40mm (1 <sup>1</sup> / <sub>2</sub> ")

#### **SPECIFICATIONS**

The plastic housings pass the NSF (US National Sanitation Foundation) demanding Cyclic Pressure Test of 100,000 cycles from 0 to 150 psi line pressure without failure. They are NSF listed components. The housings pass the Water Conditioning Foundation Standards for Hydrostatic Leak and Burst Pressure.

Material of construction is reinforced polypropylene.

Standard housings use cartridges of 63.5mm od (2.5") or 68.5 od (2.75"). Jumbo housings take cartridges of 114mm od (4.5")

All housings come with mounting brackets and mounting hardware

Jumbo housings are supplied with housing spanners

Recommended operating limits: 125psi/850kPa at up to 50°C.

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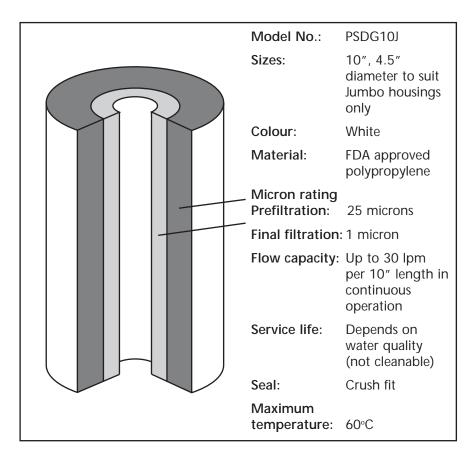
USA



# **PSDG - Polypropylene Spun Dual Gradient Sediment Removal Cartridges**

# DEPEND ON DAVEY

# WATER PRODUCTS



#### FILTER CARTRIDGE

## PRODUCT DESCRIPTION

Dual gradient depth filter cartridge to remove solids of one micron size or larger from water. Suits 10" Jumbo housings.

#### **APPLICATIONS**

Drinking water, beverage industry, mineral water bottling, laboratory use, food industry, prefiltration ahead of sub-micron filters or Reverse Osmosis and other applications where low contamination levels are needed eg. plating solutions, oil, hydraulic fluid. One micron rated cartridges are effective in removing the majority of Giardia and Cryptosporidium cysts from drinking water.

#### TECHNICAL INFORMATION

The Polypropylene Spun Dual Gradient combination filter cartridge offers both pre-filtration and one micron final filtration in a single cartridge - frequently eliminating the need for a separate pre-filter cartridge and housing. Sized to fit 10" Jumbo housings these cartridges offer many times the dirt holding ability of Standard cartridges.

Every cartridge consists of thousands of interlocked, thermally bonded polypropylene fibres. The bonding means that fibres are less likely to shift with changes in flow or pressure, releasing contaminants downstream. The filter construction removes larger particles in the outer layers where there is greater dirt holding capacity protecting the finer inner layers from premature blinding.

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USA



# PS - Polypropylene Spun Melt Sediment Removal Cartridges

# DEPEND ON DAVEY

## WATER PRODUCTS

Sizes: 10"Standard and

10"/20" Jumbo

Colour: White

Material: FDA approved

polypropylene

Micron ratings: 1, 5 & 20 for 10"

Standard and 1 for

Jumbo

900 lph per Standard 10" Flow capacity:

> length (1 and 5 micron). Jumbo versions can be used at 2-3 times higher flow rates than Standard

cartridges.

Service life: Depends on micron

rating and suspended solids level (not

cleanable)

Universal crush fit Seal:

Maximum

temperature: 60°C

### FILTER CARTRIDGE

## PRODUCT DESCRIPTION

Depth filter cartridge to remove solids from water. Suits 10" Standard, 10" Jumbo or 20" Jumbo housings.

#### **APPLICATIONS**

Drinking water, beverage industry, mineral water bottling, laboratory use, food industry, prefiltration ahead of sub-micron filters or Reverse Osmosis and other industrial applications where low contamination levels are needed eg. plating solutions, oil, hydraulic fluid.

#### MODELS

Micron			
Size	10" Std	10" Jumbo	20" Jumbo
1	1PS10	1PS10J	1PS20J
5	5PS10	-	-
20	20PS10	-	-

#### TECHNICAL INFORMATION

Polypropylene spun melt filter cartridges offer several advantages particularly in drinking, food and pure water applications. Their construction is all food grade polypropylene - no gaskets, binders, fillers, loose fibres, centre core or surfactants to be concerned about. They are extra-ordinarily clean with no extractables, meeting regulatory guidelines for use in food, pharmaceutical and potable water use.

Every cartridge consists of thousands of interlocked, thermally bonded fibres. The bonding means that fibres are less likely to shift with changes in flow or pressure and therefore do not release contaminants downstream. All this is achieved at a price no higher than the basic wound cartridge. In most applications on-line life is likely to be longer than a wound cartridge of the same rating. The 1 micron cartridge has a Cryptosporidium cyst removal rating of >99%.

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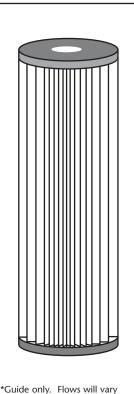
USA



# **PP - Polyester Pleated Sediment Removal Cartridges**

# DEPEND ON DAVEY

## WATER PRODUCTS



with available pressure and

with micron rating.

Sizes: 10" lengths Standard

diameter - 2.75" o.d. 10" and 20" Jumbo diameter - 4.5" o.d.

Colour: White with blue ends

Material: FDA approved pleated polyester with PVC

endcaps and core

5 & 20 Micron ratings:

Flow capacity\*: 3000 lph maximum per

> 10" length Standard. 5000 lph maximum per 10" length Jumbo.

Service life: Clean and re-use when

> flow rate becomes too low or when head loss reaches 15 psi. Replace when cleaning is no longer

effective.

Universal crush fit Seal:

Maximum

temperature: 60°C

#### FILTER CARTRIDGE

## **PRODUCT** DESCRIPTION

Surface filter cartridge to remove solids from water. Suits 10" Standard, 10" Jumbo or 20" Jumbo housings.

#### APPLICATIONS

Drinking water, beverage industry, mineral water bottling, laboratory use, food industry, prefiltration ahead of sub-micron filters or Reverse Osmosis and other industrial applications where low contamination levels are needed eq. plating solutions, oil, hydraulic fluid.

#### MODELS

Micron Size	10" Std	10" Jumbo	20" Jumbo
5	5PP10	5PP10J	5PP20J
20	20PP10	20PP10J	20PP20J

#### **TECHNICAL INFORMATION**

Polyester Pleated cartridges offer practical filtration with the convenience of a cartridge filter and the economy of cleanabilty. High surface area pleated construction means longer run length, high flow rates, high dirt holding ability and low pressure drop, giving the lowest cost per litre filtered.

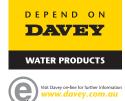
Once the cartridge gets dirty it can be cleaned under a tap or by gentle hosing. Severe cases can be soaked in dilute acid or other cleaner, appropriate to the deposits and then rinsed. Cartridges should be sterilised prior to reuse using bleach. Reusability means that the Polyester Pleated cartridges cost less to use than disposable depth type cartridges as they can be cleaned several times before replacement is required (note: 5 micron cartridges may only be cleanable once or twice).

The cartridges are thermally bonded to provide integral joints between the pliable endcaps and rigid centre core for added strength and long service life.

Pleated cartridges are particularly useful for low pressure applications such as domestic supplies using header tanks or roof water.

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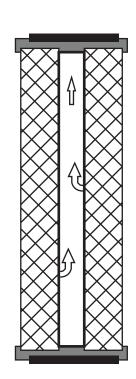
## USA



# ACB - Activated Carbon Bonded Powder **Cartridges**

# DEPEND ON DAVEY

## WATER PRODUCTS



ACB-10 - Fits all Standard 10" Sizes:

housings.

ACB-10J & 20J - Fits all 10" &

20" Jumbo housings.

Colour: White with dark blue endcaps

Filter media: Bonded powdered activated

carbon.

Endcaps and wrap polypropylene.

Micron ratings: 5 micron nominal

ACB-10 - 4 to 8 lpm Flow rate:

> ACB-10| - 8 to 20 lpm ACB-20J - 16 to 40 lpm

Capacity\*: ACB-10 - 25,000 litres

> ACB-10J - 70,000 litres ACB-20J - 140,000 litres (based on >95% chlorine

reduction)

Hygienic life: 6 months

pH range: 5-9

Maximum

temperature: 80°C

# **PURIFICATION CARTRIDGE**

### **PRODUCT** DESCRIPTION

Drinking water cartridge to remove chlorine, taste, odour and chemicals. Suits Standard 10" housings.

#### **APPLICATIONS**

Drinking water, beverage industry, mineral water bottling, laboratory use, food industry, fine filtration and other applications where low contamination levels and removal of dissolved chemicals is needed.

#### TECHNICAL INFORMATION

The ACB series are drinking water cartridges constructed totally of FDA grade materials. They are an effective combination cartridge capable of fulfilling the dual roles of filtration and purification reducing taste, odour, chlorine, pesticides, chemicals and sediment.

The ACB cartridge is made from high capacity carbon block with a 5 micron rating. This high porosity makes the cartridge suitable for use with higher flow rates than conventional "canister" type cartridges and helps prevent plugging of the pores with sediment therefore maximising the life of the carbon. The cartridge will have a longer on line life than the similarly constructed BPAC series which have a 0.5 micron rating. For high sediment loadings a prefilter is still recommended as a low cost precaution.

These cartridges are suitable for use in cold or hot water service (up to 80°C).

As with all carbon based cartridges this filter should be run for at least 5 minutes after installation to remove carbon fines and flushed for 20 seconds before using the water for drinking.

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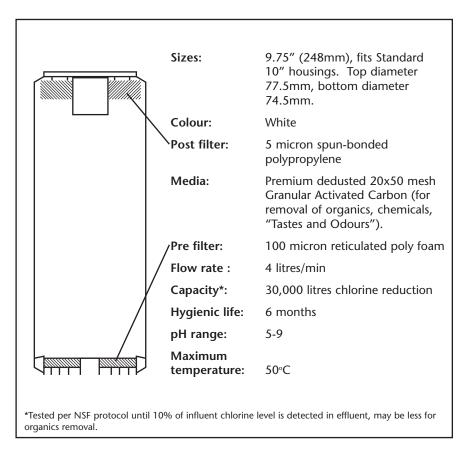
USA



# AC-10 Granular Activated Carbon Cartridge

# DEPEND ON DAVEY

## WATER PRODUCTS



# **PURIFICATION CARTRIDGE**

### **PRODUCT** DESCRIPTION

Drinking water cartridge to remove chlorine, taste, odour and chemicals. Suits Standard 10" housings.

#### **APPLICATIONS**

Drinking water, beverage industry, mineral water bottling, laboratory use, food industry and other applications where low contamination levels and removal of dissolved chemicals is needed.

## TECHNICAL INFORMATION

The AC-10 is a high quality drinking water cartridge constructed totally of food grade materials intended for use in drinking water.

The Granular Activated Carbon is selected for cleanliness and has a minimum lodine number of 1050 and a minimum Molasses number<sup>2</sup> of 200. This quality assures performance in taste and odour removal and organics reduction (including THMs).

High abrasion resistance gives the AC-10 the ability to withstand transporting without dust formation.

Cartridge life depends on feedwater quality and can often be extended by use of a sediment removal prefilter to prevent premature clogging of the media's active sites.

These cartridges are not suitable for whole house use and are for cold water service.

- 1) Iodine number shows ability of GAC to absorb low molecular wt. organics like THMs.
- 2) Molasses number measurement of a GAC's ability to absorb high molecular weight organics like colour.

As with all carbon based cartridges this filter should be run for at least 5 minutes after installation to remove carbon fines and flushed for 20 seconds before using the water for drinking.

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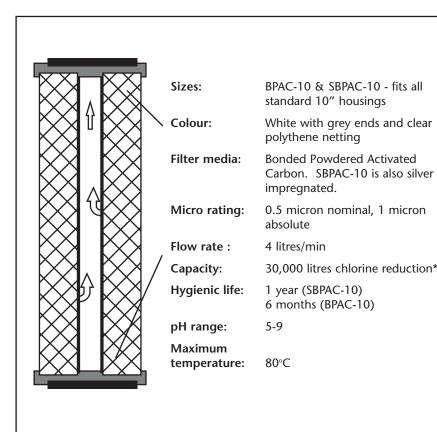
USA



# **BPAC-10 Bonded Powder Activated Carbon** Cartridge SBPAC-10 Silver Bonded Powder Activated Carbon Cartridge

# DEPEND ON DAVEY

## WATER PRODUCTS



## **PURIFICATION CARTRIDGE**

### **PRODUCT** DESCRIPTION

Drinking water cartridge to remove chlorine, taste, odour, chemicals and cysts. Suits standard 10" housings.

## **APPLICATIONS**

Drinking water, beverage industry, mineral water bottling, laboratory use, food industry, final filtration and other applications where low contamination levels and removal of dissolved chemicals is needed.

#### **TECHNICAL INFORMATION**

The BPAC series are drinking water cartridges constructed totally of FDA grade materials. It is a combination chlorine, taste, odour, chemical and cyst removal cartridge made from high surface area Bonded Powdered Activated Carbon. This material has exceptional adsorption capability and is highly effective in removing organic chemicals and THMs.

The BPAC series cartridges have a nominal 0.5 micron sediment removal rating making them excellent polishing filters. These cartridges effectively remove Giardia and Cryptosporidium cysts from drinking water, when they would normally be used as a point of use purifier. Complies with AS/NZ 4348 (>99.9% cyst removal).

The SBPAC-10 cartridge is Silver impregnated to inhibit bacteria growth and remains hygienic for 1 year. Cartridge life depends on feedwater quality to some extent and a sediment removal prefilter is recommended to prevent premature clogging of the carbon's active sites.

These cartridges are suitable for use in cold or hot water service (up to 80°C). Jumbo versions are for whole house use.

As with all carbon based cartridges this filter should be run for at least 5 minutes after installation to remove carbon fines and flushed for 20 seconds before using the water for drinking.

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