

# puritreat pcf

a range of automatic activated carbon filters to reduce chlorine, organic contaminants and for general water conditioning



- Easy to operate with automatic timer controlled back washing of carbon adsorption media
- Range accommodates flow rates up to 25m<sup>3</sup>/hour
- Higher flowrate models are available on request
- Catalytic carbon as standard for chloramine reduction

# puritreat<sup>pcf</sup> carbon filters

## description

Feed water enters the unit and passes through the activated carbon adsorption media where chlorine and dissolved organics are removed. Periodically, the media is backwashed to remove any accumulated particulate matter. This process is fully automatic.

### Floor standing reinforced fibreglass cylinder -

A robust long lasting design

### Premium grade activated carbon media -

Ensures a consistent supply of quality water

### Automatic timer control -

The backwashing process is initiated by the elapsed time since the last backwash

### Feed water bypass to service during backwash -

Provides a continuous supply of water even during the backwashing process

### Unit Design Options

- Hot water system to accommodate feed water (up to 50°C)
- Higher flowrate models available on request
- Feed water bypass to service during backwash
- Water meter control

### Accessories

- Chlorine test kit
- In-line Chlorine monitor

## technical specification

	PCF10	PCF15	PCF20	PCF30	PCF40	PCF50	PCF70	PCF90	PCF130	PCF200	PCF250
<b>Flowrates (m<sup>3</sup>/hr)</b>											
Maximum service @ 3 minutes contact time *	1.0	1.5	2.0	3.0	4.0	5.0	7.0	9.5	13.5	20.5	25.0
Maximum service @ 12 minutes contact time **	0.5	0.8	1.0	1.5	2.0	2.5	3.5	4.8	6.8	10.25	12.5
Pressure drop @ MAX service flow (psi)	6	8	10	12	12	18	10	13	9	13	17
<b>Regeneration</b>											
Backwash flowrate (m <sup>3</sup> /hr) @ 10°C	0.8	0.9	1.2	1.6	2.2	2.7	4.0	5.5	7.9	11.4	13.7
Effluent volume (m <sup>3</sup> )	0.3	0.3	0.5	0.7	0.9	1.1	1.6	2.2	3.2	4.5	5.5
<b>Connections - BSP (inches)</b>											
Inlet	1	1	1	1	1	1	1.5	1.5	2	2	2
Outlet	1	1	1	1	1	1	1.5	1.5	2	2	2
Drain	0.5	0.5	0.5	0.5	1	1	1	1	2	2	2
<b>Dimensions (mm)</b>											
Height (incl.control valve)	1130	1600	1880	1880	1990	2060	2255	2175	2170	2570	2570
Diameter	316	345	372	425	491	550	625	785	936	1387	1540
<b>Weight (Kg)</b>											
Shipping	44	72	100	127	184	239	337	490	718	1098	1421
Working	75	124	173	224	318	406	580	816	1180	1809	2410

Services	
Electrical ***	24 V, 50Hz
Feed water pressure	2 - 6 Bar
Feed water temperature	1 - 35°C
Drain	Sized to accommodate backwash flowrate and c/w air gap in compliance with current regulations

## contact

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### Notes:

\* For free chlorine reduction

\*\* For combined chlorine reduction

\*\*\* A separate transformer will be required if powered directly from the electrical mains supply. Contact SUEZ for details.

