



AUTO-BACKWASH CARBON FILTER • CE 1.5" VALVE

Regent Carbon 3072

A single 30" × 72" activated carbon filter on a metered CE 1.5" control valve, holding a 180 kg Centaur bed to strip chlorine, taste, odour and dissolved organics at 11.8 m³/h. The basic set ships ready to run carbon media.

30" × 72"

CE 1.5" VALVE

180 KG CARBON

AUTO-BACKWASH

BF3072CE15-C



WHY SPECIFY IT

Chlorine and organics, **taken out.**

Activated carbon adsorbs the compounds that chlorination leaves behind. Sited ahead of RO or softening it protects the membrane and resin downstream; sited on a potable main it corrects taste and odour at source.



Two carbon grades

Centaur 12×40 at 180 kg for chloramine and general organics, or Filtrasorb 300 at 175 kg where a coal-based bituminous carbon is specified.



Metered CE 1.5" control

Backwash triggered by measured volume rather than a clock, with delayed, immediate or combined modes and adjustable cycle stages on a multilingual menu.



Ready to run carbon

The basic set is configured for carbon duty out of the box: 1.5" meter, DLFC and top stack distributor already matched to the vessel.

11.8m³/h

SERVICE FLOW

15.9m³/h

BACKWASH FLOW

697L

VESSEL VOLUME

180kg

CARBON BED

Contact time where it counts

697
litre vessel

Adsorption depends on how long water stays in the bed. A 697 L vessel carrying 180 kg of carbon gives the empty-bed contact time needed at 11.8 m³/h, and the 15.9 m³/h backwash lifts and re-classifies the bed to clear channelling and accumulated fines. Carbon is exhausted by adsorption, not regenerated by backwash: plan media replacement on throughput and inlet chlorine load.



SPECIFICATIONS

Technical detail.

Model	Regent Carbon 3072
Code	BF3072CE15-C
Datasheet ref	SWC-BF3072C-26-R0
Configuration	Single vessel
Base assembly	BF3072CE15
Control valve	CE 1.5" (V15CEDT)
Pressure tank	30" x 72" · 4" opening
Volume of pressure tank	697 L
Rounded side volume	80 L
Regeneration	Delayed / immediate / both

Service flow	11.8 m ³ /h @ 1 bar Δp
Backwash flow	15.9 m ³ /h @ 1.7 bar Δp
Inlet / outlet	G 1.5"
Drain	G 1"
Operating pressure	2 - 6 bar
Operating temperature	+4...+30 °C
Electrical	230 V · 50/60 Hz
Electrical power	30 W
Connection height	2160 ±30 mm · drain 2370 ±30
Dry system weight	95 kg

RECOMMENDED MEDIA VOLUME

FILTER MATERIAL	CODE	DUTY	VOLUME
Granular activated carbon Centaur 12x40	CENT1240	Chloramine · organics	180 kg
Activated Carbon Filtrasorb 300	FILTR300	Chlorine · taste · odour	175 kg

Support layer of 125 kg recommended. Media volume depends on the material selected; media is quoted separately and is not part of the basic set.

HOW IT WORKS

Adsorption and backwash.

01 Chlorinated feed in	02 697 L carbon bed	03 Organics adsorbed	04 Metered backwash	05 Filtered out
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SCOPE OF SUPPLY

What we provide.

- ✓ CE 1.5" valve assembly with 1.5" meter, DLFC and top stack distributor
- ✓ 30" x 72" pressure tank with 4" to 2" adaptor, DN 50 riser and bottom stack
- ✓ 1" drain fitting, power supply, funnel and manuals
- ✓ Carbon media and support layer, quoted to the raw water analysis
- ✓ Optional Comprehensive Maintenance plan with consumables

Options and configurations

Not included in the basic set: V3017 WS2 service or fill switch, V3097BSPT WS1.5" no-hard-water bypass, V3071BSPT MAV 1.5 motorised alternating valve, V3040BSPT-15 WS1.5 meter assembly. Where supply must continue through backwash, specify the Regent Twin 3072. For double flow at peak, specify the duplex set. 2 to 6 units can run from a Clack system controller.

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