

AUTO-BACKWASH SEDIMENT FILTER • CE 1.5" VALVE

Regent Sediment 3072

A single 30" × 72" depth filter on a metered CE 1.5" control valve, carrying 367.9 L of Filter-AG to hold back silt, turbidity and suspended solids at 11.8 m³/h, with a 15.9 m³/h backwash that flushes the load to drain.

30" × 72"

CE 1.5" VALVE

367.9 L MEDIA

AUTO-BACKWASH

BF3072CE15-S



WHY SPECIFY IT

Solids out, before they reach anything.

Suspended solids foul membranes, blind resin beds and score pump seals. A depth filter at the head of the plant catches them in the media void and sends them to drain on each backwash, so the equipment behind it works on clean water.



Three media options

Filter-AG or Filter-AG PLUS for turbidity and silt down to fine particulate, or Birm where dissolved iron and manganese need oxidising and filtering in one pass.



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.



Self-cleaning bed

A 15.9 m³/h backwash at 1.7 bar lifts and re-classifies 367.9 L of media, clearing the captured load without cartridges to change or filter bags to handle.

11.8m³/h

SERVICE FLOW

15.9m³/h

BACKWASH FLOW

697L

VESSEL VOLUME

368L media

BED VOLUME

15.9

 m³/h backwash

The bed cleans itself

A cartridge filter is a consumable; a depth filter is not. At 15.9 m³/h and 1.7 bar differential the bed fluidises, releases the trapped solids and re-settles graded, so filtration performance returns to baseline each cycle. The only routine cost is the water sent to drain, and metered control keeps that to what the measured load actually requires.



SPECIFICATIONS

Technical detail.

Model	Regent Sediment 3072
Code	BF3072CE15-S
Datasheet ref	SWC-BF3072S-26-R0
Configuration	Single vessel
Base assembly	BF3072CE15
Control valve	CE 1.5" (V15CEDT)
Pressure tank	30" × 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

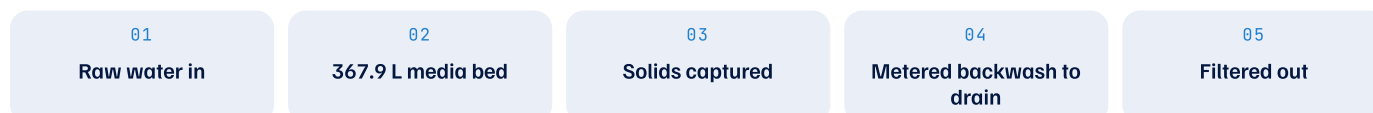
RECOMMENDED MEDIA VOLUME

FILTER MATERIAL	CODE	DUTY	VOLUME
Filter-AG PLUS media	A8023	Fine turbidity · silt	367.9 L
Filter-AG material	A8014	Turbidity · suspended solids	367.9 L
Birm filter media	A8006	Iron · manganese	367.9 L

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. The basic set ships configured for carbon media; DLFC and backwash settings are adjusted to the sediment media specified on order.

HOW IT WORKS

Capture and flush.



SCOPE OF SUPPLY

What we provide.

- ✓ CE 1.5" valve assembly with 1.5" meter, DLFC and top stack distributor
- ✓ 30" × 72" pressure tank with 4" to 2" adaptor, DN 50 riser and bottom stack
- ✓ 1" drain fitting, power supply, funnel and manuals
- ✓ Filter 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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REQUEST A QUOTE

Specify the Regent Sediment 3072 for your site.

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