



# HYDROCARBON REMOVAL CARTRIDGE

Preventing pollution on your site.

- Water remedial cartridge with smart polymer technology
- Hydrocarbons captured and encapsulated in the smart polymer media
- Prevents hydrocarbons/sediment from leaving the containment area
- Flow rate from 6 to 15 L/min
- Automatic system shut down at oil saturation point
- Easy clean out and low maintenance
- Highly effective alternative to oil discriminating pumps and oil water separators
- No mechanical parts or mains electricity required
- 2 versions available

## FILTERS HYDROCARBONS ALLOWING SURFACE WATER TO DRAIN NATURALLY

### HOW IT WORKS

Our Hydrocarbon Removal Cartridges (HRC) are designed to remove hydrocarbons and sediment contaminants from groundwater accumulation in bunded areas or as part of a pollution prevention drainage solution on your site.

A variety of hydrocarbons can be captured, including dielectric fluids, oil, diesel and used motor oils. The contaminants are absorbed by the smart filtration technology which bond with the hydrocarbon molecules to efficiently encapsulate and solidify hydrocarbons internally in the cartridge. This allows filtered groundwater to pass unimpeded through the filter. The discharged water conforms to the EA PPG3 guidelines for discharge to surface drains and into the environment, achieving a discharge concentration of <5mg/litre of oil under standard test conditions.

When the filters start to reach their hydrocarbon absorption capacity the flow of groundwater will become increasingly restricted, until the cartridge automatically shuts down. This prevents any polluted groundwater from leaving the containment area or entering the filter ensuring that no contaminates are introduced in to the environment, even if a catastrophic breach occurs. The hydrocarbons and sediment filters are conveniently enclosed within one cartridge body eliminating the need for two individual filters to be connected in series. The sediment filter is easily accessed for inspection and cleaned by back flushing the cartridge from the discharge side of the cartridge with clean water.

### SPECIFICATION:

CODE	PRODUCT	PRODUCT SIZE	FLOW RATE DATA	ABSORBENCY /CAPACITY
GRR 03 00 00 HRC	HRC Type 1 c/w 1.5" Thread Fitting	40.5cm x 10cm	6 L/min	1 L. Oil
GRR 03 00 20 HRC	HRC Type 2 c/w 2" Thread Fitting	64.7cm x 11.4cm	15 L/min	2.5 L. Oil
<b>FITTING KITS</b>				
GRR 03 51 00 FITK	Type 1 Fitting Kit - ABS, 1.5" - 1.5" Male Thread Fitting	25.9cm x 16.2cm		
GRR 03 51 01 FITK	Type 1 Fitting Kit - ABS, 1.5" - 2" Threaded Bush	26.1cm x 19.1cm		
GRR 03 51 02 FITK	Type 1 Fitting Kit - ABS, 1.5" - 1.5" Male Thread Fitting XL	25.9cm x 66.2cm		
GRR 03 51 50 FITK	Type 1 Fitting Kit - S/S, 1.5" - 1.5" Male Thread Hex Nipple	22.7cm x 13.5cm		
GRR 03 52 00 FITK	Type 2 Fitting Kit - ABS, 2" - 2" Male Thread Fitting	28.6cm x 17.5cm		
GRR 03 52 01 FITK	Type 2 Fitting Kit - ABS, 2" - 2" Male Thread Fitting XL	28.9cm x 67.3cm		
GRR 03 52 50 FITK	Type 2 Fitting Kit - S/S, 2" - 2" Male Thread Hex Nipple	26.5cm x 15.1cm		
<b>CARTRIDGE MOUNT BRACKETS</b>				
GRR 03 99 03 BRKT	Mount Bracket 3" - Plastic (Type 1 Filter)	7.2cm x 11.5cm		
GRR 03 99 04 BRKT	Mount Bracket 4" - Plastic (Type 2 Filter)	8.1cm x 13.9cm		


**Considerate Constructors Scheme**  
**BEST PRACTICE HUB**  
[ccsbestpractice.org.uk/entries/drip-tray-hydrocarbon-removal-cartridge/](https://ccsbestpractice.org.uk/entries/drip-tray-hydrocarbon-removal-cartridge/)



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