

PS85 ABSORPTION MEDIA



PS85 is the world's leading granular absorption media for the removal of total petroleum hydrocarbons from water.

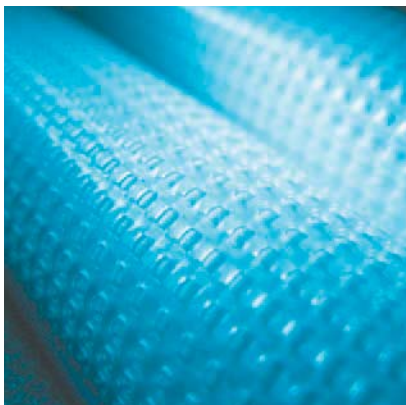
PS85 is a patented non-swelling organoclay granular media that removes hydrocarbons from water by means of chemisorption. It is specifically designed for total petroleum hydrocarbon removal including, amongst many substances, phenols, PAH and BTEX.

FEATURES AND BENEFITS

- Reduces TPH or oil & grease levels up to 99.99%, or below 1ppm
- Chemical absorption process – guaranteed removal
- Chemically bonded – no release once absorbed
- Proven to meet IMO MEPC 107(49) and EPA discharge limits
- Up to ten times more hydrocarbon holding capacity than GAC

KEY APPLICATIONS

- Treatment of stable emulsions in gas condensate produced waters
- Extended well testing – final produced water polishing in environmentally sensitive areas
- As a guard filter downstream of hydrocyclones and flotation for guaranteed outlet specification
- Removal of hydrocarbons from industrial waste water for onshore disposal
- Bilge water polishing systems to below 5ppm and meeting the requirements of IMO MEPC 107(49)
- GAC replacement or pre-treatment



Specification & Design

- Absorbs 50% to 100% of its own weight
- Non-swelling
- Free flowing even after saturation
- Can be stored down to -15°C
- Optimum operation between pH of 4-11
- Maximum operating temperature ~90°C
- Bulk density ~700 kg/m³
- S.G. = 2.0 to 2.2

Supply & Use

Depending upon the application this versatile media can be used in multi-tonne bulk beds or in high performance filter elements.

Bulk beds

- Flux rates of up to 40 m³/m²/hr
- More than 5 tonnes of media per vessel

Cartridges

- Diameters of 2.5" or 4.5"
- Lengths of 10", 20", 30" or 40"
- Less than 1 bar DP

Rental Units

Enhydra has a full range of rental units available for either running trials or for short term operations. These include bulk vessels and cartridge vessels.

Bulk media

- 48" diameter vessel
- 2.2 m overall height
- Used vessel weight 2500 kg
- Absorbs 750 kg of oil

Cartridge systems

- 2 off 24" vessels in a frame
- 2.2 m (W) x 1.2 m (D) x 2.2 m (H)
- Lift weight is 1200 kg
- 50 cartridges per vessel
- Absorb 1 kg oil per cartridge



PS85
granular
media



High efficiency PS85 absorption cartridge