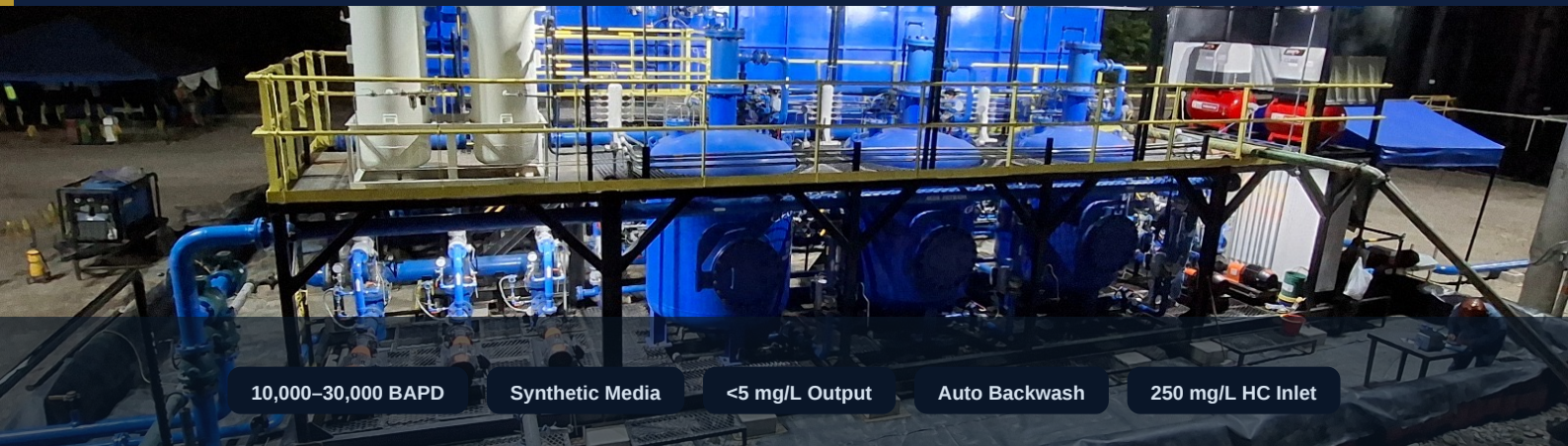




Filtration Packages – Synthetic Media

Advanced produced water filtration with high-resistance synthetic media beds. Inlet up to 250 mg/L HC, outlet <5 mg/L SS and <5 mg/L O&G, 10,000–30,000 BAPD flow rates.



PRODUCT OVERVIEW

IPC, through its alliance with H2O LIFE INN, supplies filtration packages built on a proprietary high-resistance synthetic media bed. Unlike granular media (sand, anthracite), the synthetic bed handles up to 250 mg/L of hydrocarbons in the inlet water and delivers treated water with <5 mg/L suspended solids and <5 mg/L O&G;

The synthetic bed provides a higher service factor than conventional media — longer run times between backwash cycles, lower pressure drop, and reduced energy consumption. Backwash is performed automatically with water and air/nitrogen bubbles. All flow and backwash controls are integrated and automatic.

TECHNICAL SPECIFICATIONS

Product	Filtration package with synthetic media bed
Technology	Proprietary high-resistance synthetic bed (H2O LIFE INN)
Flow Rate	10,000 – 30,000 BAPD
Inlet HC Capacity	Up to 250 mg/L hydrocarbons
Treated Water SS	< 5 mg/L suspended solids
Treated Water O&G;	< 5 mg/L oil and grease
Backwash	Automatic — water + air/nitrogen bubbles
Pressure Drop	Lower than conventional granular media
Service Factor	Higher than conventional technologies
Controls	Automatic flow and backwash control systems

KEY FEATURES

- Synthetic bed: handles up to 250 mg/L HC
- Outlet: <5 mg/L SS and <5 mg/L O&G;
- 10,000 to 30,000 BAPD capacity
- Higher service factor vs. sand/anthracite
- Lower pressure drop & energy consumption
- Automatic backwash (water + air/N₂)
- High operational reliability

APPLICATIONS

- Produced water polishing before reinjection
- Downstream of T-CASH water treatment
- Water injection quality compliance
- Produced water discharge treatment

MANUFACTURER / SUPPLIER

H2O LIFE INN (Technology Developer) IPC Corporation (Authorized Distributor — South America & Caribbean)

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