



AMAZON FILTERS LTD.

A CORPORATE ALTERNATIVE
FOR PROCESS FILTER CONSUMABLES
FOR OIL AND GAS APPLICATIONS



We cannot influence the oil price...

...but Amazon can help control oil production costs.

COST OF PRODUCTION DOWNTIME

Can be effectively controlled by using.....

Amazon Filters Ltd. The Process Filtration Specialist Manufacturer

- We are able to offer solutions for all your filtration needs.
- We offer a comprehensive product range of filtration and separation media and our design and manufacturing expertise, enables the provision of industry specific filtration systems.
- We have onshore and offshore installations in service all around the world.
- Upstream applications include: Water Injection, Seawater RO Protection and Produced Water.
- Downstream applications include: Inlet Gas Separation, Amine Sweetening, Glycol Dehydration and Catalyst Beds.

Fur further information, see: www.amazonfilters.com/applications/oil-and-gas/

Amazon Filters Ltd. MAKES WHAT IT SELLS.

- We control our own quality, cost and lead times.
- Our rigorous procedures and approvals ensure that quality is assured when Amazon products are chosen
- Our success is underpinned by quality and also through the application of our knowledge.
- As well as what we make and how we make it, is how we apply it to our customers.
- This is Amazon's key differentiator and is the secret of our progression into a true, globally recognised brand.





BENEFITS OF AMAZON'S FILTERS

- Amazon manufactures filters in both depth and pleated depth configurations to suit conventional and large diameter "high flow" filter housings
- True graded density pore structure and high voids volume gives market-leading filter cartridge life.
- Developed and proven over 20 years of Oil and Gas experience.
- Absolute rated cartridges ensure optimum equipment protection, repeatedly, each and every time.
- 100% thermally welded polypropylene construction provides mechanical integrity and compatibility with many chemical processes.

COMMON MISCONCEPTIONS ABOUT CARTRIDGE FILTERS

- **'There is a problem with the cartridge filters – they keep blocking!'** The problem usually lies upstream. Without the cartridge filters downstream process equipment would stop the solids, causing equipment fouling leading to a significantly higher cost to production.
- **'Filters all look the same – why are some more expensive than others?'** The differences between two filter cartridges can be on a microscopic level, meaning they cannot be assessed visually or via datasheet comparison.
- **'If two filters are both Absolute then they must be the same?'** While two filters may offer the same removal efficiency, maintaining high voids volume and a graded pore structure are essential to achieve low pressure losses, high solids retention and long life between change-outs.

AMAZON FILTERS - SRP case study;

Amazon Filters has developed Absolute rated SupaPleat HFC SRP and SupaSpun II SRP grade filter cartridges, specifically for the Sulphate Removal Process.

Recognising that water intake quality can vary tremendously (due to algae and plankton blooms, silts and other sediments), these filters are specifically designed to reduce the impact of this on the performance of the water treatment facilities – by maximising membrane life, reducing replacement costs and stopping unexpected interruptions to the process.

Amazon supplies filters designed to be used throughout the water treatment process to help ensure it functions to optimum levels. Whether the application is fixed or floating, seawater, produced water, or freshwater, Amazon Filters is able to provide easy operating, cost effective solutions to help maximise the production of water for injection.

Amazon Filters also has particular strength in the design and manufacture of filter housings for the critical demands of the Oil and Gas industry. We have extensive experience in manufacturing vessels in Duplex (UNS S31803) and Super-Duplex (UNS S32750/60) stainless steels.

Our design team is fully conversant in the increasing technical demands of pressure vessel design codes, and we have onshore and offshore installations in service worldwide.

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