



REFERENCE LIST

OIL & GAS INDUSTRY



FILTRATION SPECIALISTS

Amazon Filters Ltd

Amazon Filters design and fabricate a full range of pressure vessels for use in both offshore and onshore oil and gas production processes. Design codes used include **PD:5500**, **ASME VIII**, and **EN:13445**, along with application of client design specifications.

Amazon filters are ISO 9001:2008 and 14001:2004 certified, and hold Module H PED certification. Our design office used 3D modeling software along with PV-ELITE and FEA software to ensure an optimally safe design to client requirements.

In addition to supplying capital equipment, Amazon manufacture their own filter cartridges and internals. Cartridge construction can be optimized to individual application and sites, and a full life cycle support is provided.

The following list is not exhaustive however outlines a variety of our recent projects for major oil and gas clients worldwide. Typical project values range from **\$50k** to **\$2.5m**.

Year	Client	Project	Process Requirements	Mechanical Requirements
2003	Weir Westgarth	BP FPSO Plutonio	4,000 m ³ /h seawater @ 5 µm absolute	15 Barg PD:550 Cat II in 25 Cr SDSS (UNS 32750 / 32760)
2005	Bechtel Houston	Sonahess Algeria, El Gassi	795 m ³ /h crude oil @ 200 µm wedge wire basket	11 Barg ASME VIII in carbon steel
2005	Bechtel Houston	Sonahess Algeria, El-Agreb	332 m ³ /h produced water @ 20 µm absolute	10 Barg ASME VIII in 22 Cr Duplex (UNS 31803)
2005	Bechtel Houston	Sonahess Algeria, AR-2	220 m ³ /h injection water @ 70 µm absolute	24 Barg ASME VIII in 22 Cr Duplex (UNS 31803)
2005	Weir Westgarth	SBM FPSO Capixaba	1,300 m ³ /h seawater @ 5 µm absolute	15 Barg ASME VIII in 25 Cr SDSS (UNS 32750 / 32760)
2006	Weir Westgarth	SBM FPSO Vitoria	1,300 m ³ /h seawater @ 5 µm absolute	15 Barg ASME VIII in 25 Cr SDSS (UNS 32750 / 32760)
2007	Weir Westgarth	SBM FPSOs MONDO & SAXI	1,300 m ³ /h seawater @ 5 µm absolute	15 Barg ASME VIII in 25 Cr SDSS (UNS 32750 / 32760)
2007	Weir Westgarth	TOTAL FPSO Pazflor	264 m ³ /h CIP solution @ 5 µm absolute	10 Barg ASME VIII in SS 316L

2008	Aker Process Systems	MODEC FPSO MV18 (Cidade de Niteroi)	1,200 m ³ /h seawater @ 10 µm absolute	10.2 Barg ASME VIII in 25 Cr SDSS (UNS 32750 / 32760)
2009	Aker Process Systems	MODEC FPSO MV22 (Tupi Field, Brazil)	1,000 m ³ /h deaerated seawater @ 10 µm absolute	49 Barg ASME VIII in SS 316L
2009	Aker Process Systems	MODEC FPSO MV20 (Cidade de Santos)	300 m ³ /h seawater @ 10 µm absolute	10.2 Barg ASME VIII in 25 Cr SDSS (UNS 32750 / 32760)
2010	Siemens LTDA	Petrobras P-55 platform	2,700 m ³ /h @ 5 µm absolute	15 Barg ASME VIII in carbon steel with internal rubber lining
2011	VWS Oil & Gas / SBM	SBM FPSO Baleia Azul	1,100 m ³ /h seawater @ 5 µm absolute	10 Barg ASME VIII in 25 Cr SDSS (UNS 32750 / 32760)
2011	Aker Solutions / MODEC	FPSO Kwame Nkrumah MV21	1,600 m ³ /h seawater @ 10 µm absolute	41 Barg ASME VIII in SS 316L
2012	VWS Oil & Gas	SBM FPSO Cidade de Sao Paulo	1,300 m ³ /h deaerated seawater @ 5 µm absolute	45 Barg ASME VIII in SS 316L
2012	OVIVO	BP Clair Ridge	10 m ³ /h seawater @ 0.5 µm absolute	10 Barg ASME X in GRP
2012	OVIVO	BP QUAD 204	Various seawater + potable water	16 Barg to PED in 25 Cr SDSS + SS 316L
2012	VWS Oil & Gas	SBM / ENI Angola West Hub FPSO	1,200 m ³ /h seawater @ 5 µm absolute	15 Barg ASME VIII in 25 Cr SDSS (UNS 32750 / 32760)
2012	TIG Group	BP Clair Ridge (fixed platform)	400 m ³ /h CIP solution @ 10 µm absolute	10 Barg ASME VIII in Titanium Gr.2
2012	VWS Oil & Gas	TOTAL FPSO CLOV	400 m ³ /h CIP solution @ 5 µm absolute	10 Barg ASME VIII in SS 316L
2012	DPS (Bristol)	Teekay FPSO Jordbaer	1.33 m ³ /h amine @ 10 µm absolute + activated carbon	10 Barg ASME VIII in carbon steel
2013	MGE Srl	NOC Jambour North, Iraq	100 m ³ /h produced water @ 3 micron absolute	10 Barg ASME VIII in glass flake lined carbon steel
2013	DSME	Inpex Ichthys LNG FPSO	23.5 m ³ /h seawater @ 5 µm absolute + activated carbon	10 Barg ASME VIII in titanium Gr.2
2013	DSME	Inpex Ichthys LNG FPSO	24 m ³ /h CIP solution @ 5 µm absolute	10 Barg ASME VIII in 22 Cr DSS (UNS 31803)

2013	DSME	Inpex Ichthys CPF	11.2 m3/h seawater @ 5 µm absolute + activated carbon	10 Barg ASME X in GRP
2013	OVIVO	BP Shah Deniz	6.67 m3/h seawater @ 5 µm absolute	17.2 Barg ASME X in GRP
2013	Technip / Statoil	Valemon Topside	6 m3/h seawater activated carbon chlorine reduction	15 Barg EN:13445 in 25 Cr SDSS (UNS 32750 / 32760)
2013	VWS / TOTAL	OFON Phase 2 – QFQ Living Quarter	9 m3/h seawater @ 20 µm absolute	16 Barg ASME VIII in 25 Cr SDSS (UNS 32750 / 32760)
2013	Halvorsen / Statoil	Troll C gas turbine water injection upgrade	20.4 m3/h water ion exchange media bed	10 Barg EN:13445 + NORSOK in 316L
2013	Halvorsen / Statoil	Troll C gas turbine water injection upgrade	54 m3/h demin water @ 1 µm absolute	10 Barg EN:13445 + NORSOK in 25 Cr SDSS (UNS 32750 / 32760)
2013	Hamworthy / SHI	Teekay Petrojarl - Jordbear FPSO	26,704 std m3/h natural gas lube oil removal (coalescer)	23 Barg ASME VIII in carbon steel with DNV certification
2014	ONDEO IS	Maurel & Prom ONAL-PH1	167 m3/h brackish water @ 5 µm absolute	8.1 Barg ASME VIII in carbon steel with glass flake lining
2014	VWS Oil & Gas	MODEC FPSO Cidade de Itagui MV-26	2,433 m3/h seawater @ 10 µm absolute	46.2 barg ASME VIII in SS 316L
2014	VWS Oil & Gas	TUPI BV Petrobras P-67 & P-70 (Integra)	1,714 m3/h seawater @ 10 µm absolute	13.5 Barg ASME VIII in carbon steel with glass flake lining
2014	IKM	Testing project	Coarse bag filtration of various fluids	DNV certified offshore mobile skids in SS 316L

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TOTAL



Saipem



PETROBRAS



