CONTROL LINE FILTRATION SYSTEMS

Oceaneering manufactures specialized control line filter assemblies for tubing hanger applications and Surface Controlled Sub-Surface Safety Valves (SCSSVs). A patented filtration process removes particulates and impurities that can be detrimental to critical safety valve operations and other downhole functions.

Oceaneering provides filter assemblies for upstream and downstream control line applications. Custom configurations can be created to meet your exact fluid cleanliness specifications. Quality and value are built-in features of Oceaneering filtration systems.

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CONTROL LINE FILTRATION SYSTEMS SPECIFICATIONS

Filter Data:

Control Line Filter for Surface Controlled Sub-Surface Safety Valve

Nominal Tubing Size:	.250 in
Available Port specifications:	7/16 in -20 I.D.F.C. (Inverted Dual Ferrule Connection) female ¼ in H.D.M.C. female 1/8 in NPT female ¼ in JIC (SAE) female 9/16 in Autoclave male Autoclave medium and high-pressure female

Filter Operating Envelope:

Working Pressures:	10,000 psi (690 barg) 12,500 psi (861 barg) 15,000 psi (1,034 barg) 20,000 psi (1,380 barg)
Maximum Design Temperature:	400° F (204° C)
Minimum Design Temperature:	Minus 20° F (Minus 29° C)
Test Pressures:	1.25 times WP per ASME VIII Div 2 Pressure Vessel Code 1.5 times WP per API 14A
Design life:	25 years

Available Design Features:

- Female or male port profiles
- Wrench flats
- Wire locking holes
- Strap grooves for mounting
- Bypass rupture disc 800 psi

Material Specifications:

Main Housing, End Cap:	Nitronic–50, Grade XM-19 (UNS S20910), AMS 5764 Bars, Forgings and Extrusions
Optional Material:	Inconel-718 (UNS N07718)
Filter Element:	316 S.S., Sintered Metal Filter - 2, 5, 10 or 20 micron
Internal Bypass Components:	316 S.S.

Design Standards & Specifications:

- O.I.E. SCSSV Filter Assembly Drawings, Bill of Materials and Vendor Supplied Material Test Reports.
- O.I.E. Factory Acceptance Testing
- O.I.E. ISO 9001:2000 Quality Assurance - Quality Control Procedures & Operating Procedures.
- ASME Pressure Vessel Code, Section VIII, Divisions 1 & 2 (Latest Edition).
- API 14A, Recommended Practice for Design, Installation, Repair and Operation of Subsurface Safety Valve System
- NACE Standard MR0175-00, Sulfide Stress Cracking Resistant Metallic Materials for Oilfield Equipment
- Welding Specification No. MGTAW06R0, Nitronic to Nitronic and MGTAW35R0, Inconel to Inconel

Certification:

- ISO 9001:2000 - OTS, Accredited by the Dutch Council for Certification.

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