

Q-FILT

Medical Sterile Oxygen Filters

Product Overview

Q-Filt Medical Sterile Oxygen Filters are engineered to deliver high-purity oxygen for medical and industrial applications. Installed both upstream and downstream of oxygen generation systems, Q-Filt ensures the removal of particulates, microorganisms, and sub-micron contaminants, safeguarding pipeline integrity and patient safety.



Key Features

- Designed to comply with HTM 02-01 medical gas pipeline requirements.
- Oxygen-cleaned components suitable for oxygen-rich environments.
- Optimized internal flow path for reduced pressure drop.
- Corrosion-resistant housing with protective coating.
- Autoclave-compatible sterile filter elements (up to 134°C).
- Externally accessible drain for simplified servicing.

100 sterilization cycles guaranteed for SR grade elements.

Technical Specifications

- Filtration Efficiency (DOP): >99.9999%
- Particle Retention: 0.01 micron
- Maximum Operating Temperature: 120°C
- Recommended Operating Temperature: 50°C Maximum
- Autoclave Temperature (Element Only): 134°C
- Maximum Working Pressure: 20.7 bar
- Pressure Drop (Clean & Dry): 100 mbar
- Element End Caps: Stainless Steel

Model Range & Flow Rates

Model	Inlet/Outlet Size (BSPP)	Flow (Nm ³ /hr)	A (mm)	B (mm)	C (mm)	D (mm)	Weight (kg)
Q-F140	¼"	23.8	50	17	157	60	0.3
Q-F120	½"	80.8	70	23	231	70	0.6
Q-F340	¾"	136.8	127	32	285	80	1.7
Q-F100	1"	169.1	127	32	285	80	1.7
Q-F114	1¼"	452.2	140	41	476	85	3.0
Q-F112	1½"	516.8	140	41	476	85	3.0
Q-F200	2"	726.8	170	53	508	100	4.9
Q-F212	2½"	1371.8	220	70	736	100	10.5
Q-F300	3"	1452.6	220	70	736	100	10.5