

Medical Sterile Filters

Filter model	Pipe size inches	Inlet flow rate*		Dimensions mm				Weight Kg	Element model
		Nm³/hr	SCFM	A	B	C	D		
TA-FT-001	¼	25	15	50	17	157	60	0.3	TA-FT-001-C
TA-FT-002	¼	42	25	70	23	231	70	0.6	TA-FT-002-C
TA-FT-003	½	85	50	70	23	231	70	0.6	TA-FT-003-C
TA-FT-004	½	119	70	127	32	285	80	1.7	TA-FT-004-C
TA-FT-005	¾	144	85	127	32	285	80	1.7	TA-FT-005-C
TA-FT-006	1	297	175	127	32	370	80	2.0	TA-FT-006-C

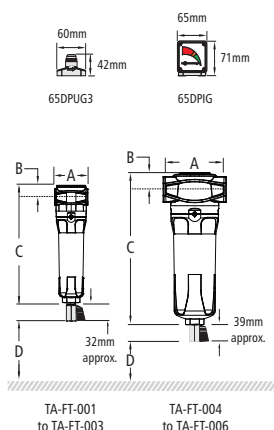
Grade	SR	
DOP efficiency**	>99.9999%	
Particle removal	0.01 micron	
Maximum operating temperature	120°C	248°F
Recommended operating temperature	50°C	122°F
Maximum autoclave temperature	134°C	273°F
Pressure Loss - clean & dry	100 mbar	1.5 psi
Maximum working pressure	20.7 barg	300 psig
Element end cap material	Stainless steel	

** As specified in HTM 02-01 medical gas pipeline systems

Pressure correction factors	For maximum flow rate, multiply model flow rate by the correction factor corresponding to the minimum operating pressure									
Operating pressure barg (psig)	4 (58)	5 (72)	6 (87)	7 (100)	8 (115)	10 (145)	12 (174)	14 (203)	16 (232)	20.7 (300)
7 barg – correction factor	0.76	0.84	0.92	1.00	1.07	1.19	1.31	1.41	1.51	1.73



Technical Notes



- Filter element end caps are stainless steel.
- Direction of air flow is outside to in through the filter element.
- Pop up indicators (65DPUB3) are fitted to models TA-FT-002 and TA-FT-003 as standard. Differential pressure indicators (65DPDG) are fitted to models TA-FT-004 to TA-FT-006 as standard.
- Manual drain valves (MDV25) on models TA-FT-001 to TA-FT-006.
- Medical Sterile Filter elements must not operate in water or oil saturated conditions.
- Maximum steam sterilising autoclave temperature refers to the filter element ONLY. Grade SR filter elements can be steam sterilised 100 times. Each element must be autoclaved before commencement of duty.
- Pre-filtration should be used in conjunction with 0.01 micron sterile filters.
- Threaded filters are manufactured from cast aluminium alloy and are PED 2014/68/EU compliant for group 2 gases.
- Standard threaded connections are Rp (BSP Parallel) to ISO 7-1 or NPT to ANSI/ASME B1.20.1 if supplied within North America. Rc (BSP Taper) to ISO 7-1 also available.
- For NPT threads, add the suffix N, e.g., TA-FT-003N, and for Rc threads add the suffix C, e.g. TA-FT-003C.
- Filter elements should be changed at least every 6 months.
- Filters are suitable for use in dry air conditions only, as any liquids passing through the filter could carry bacteria and compromise sterility.