

August 3, 2023

To Whom It May Concern:

Inspiration Healthcare Ltd. have been the UK sales and service agents for the Bio-Med Devices air / oxygen blender for over 15 years.

They have supplied and serviced many thousands of blenders in that time.

As the manufacturers, Biomed Medical Devices, Inc. recommends the overhauling a blender every 2 years. This is a recommendation, not compulsory; the primary reason for this advice is that the manufacturers cannot guarantee the purity of the gas flow through the blender. Across the world many blenders can be run from mobile compressors or cylinders, impurities and humidity when powered from such source can impact the accuracy of the blender.

In the UK, experience would suggest that most blenders are connected to mains wall supply of air and oxygen. If the purity of the gas falls within the parameters of the guidelines below, users may wish to increase the length of time between overhauls from 2 to 4 years. It is imperative however that annual service on a blender is performed by a suitable trained and accredited service engineer.

ISO 8573-1:2010 QUALITY CLASS	SOLID PARTICLES			WATER	OIL (AEROSOL)
	Maximum number of particles per m3 Particle size d is in µm (microns)			Pressure Dew Point	Concentration Liquid & Vapour
	0.10≤d≤0.5	0.5≤d≤1.0	1.0≤d≤5.0	°C / °F	mg / m3
1	≤ 20,000	≤ 400	≤ 10	≤ -70 / -94	≤ 0.01
2	≤ 400,000	≤ 6,000	≤ 100	≤ -40 / -40	≤ 0.1
3	-	≤ 90,000	≤ 1,000	≤ -20 / -4	≤ 1
4	-	-	≤ 10,000	≤ +3 / +37.4	≤ 5
5	-	-	≤ 100,000	≤ +7 / +44.6	-
6	-	-	-	≤ +10 / +50	-
0	AS SPECIFIED BY THE EQUIPMENT USER BASED ON RISK ASSESSMENT. MORE STRINGENT THAN CLASS 1			USER SPECIFIED	USER SPECIFIED

Please contact us if there are any points of clarification required.

Sincerely yours,



Patrick Shannon
Director, International Sales