

GILIAN® Pump Specifications

Pump Model	Gilian 3500	GilAir 3	GilAir 5	HFS-513	LFS-113	BDX-II
Total Flow Range	20 - 3,500cc/min*	1 - 3,000cc/min*	1 - 5,000cc/min*	1 - 5,000cc/min	1 - 350cc/min	500 – 3,000cc/min
High Flow Range (flow control ±5% of set point, except 3500 & BDX-II)	1000-3,500cc/min 0.7-3.5 LPM (flow control ±3% of set point @ 1-3 LPM) ‡	850-3,000cc/min 0.85-3.0 LPM	850-5,000cc/min 0.85-5.0 LPM	1,000-5,000cc/min 1-5.0 LPM	1-350cc/min 0.001-0.35 LPM	500 – 3,000cc/min 0.5-3.0 LPM
Low Flow Range, Constant Flow (flow control ±5% of set point)		20-500cc/min, to 25" (640mm) H ₂ O *	20-500cc/min, to 25" (640mm) H ₂ O *	20-350cc/min, to 25" (640mm) H ₂ O ***	20-200cc/min, to 25" (640mm) H ₂ O	NA
Low Flow Range, Constant Pressure (Multi Flow)	20-750cc/min, at 18"±3" H ₂ O * (460±80mm)	1-750cc/min, at 18"±3" H ₂ O* (460±80mm)	1-750cc/min, at 18"±3" H ₂ O* (460±80mm)	1-750cc/min, at 18"±3" H ₂ O*** (460±80mm)	1-350cc/min, at 18"±3" H ₂ O (460±80mm)	NA
Max. Pressure Capability: @ 0.75 LPM, inches H ₂ O @ 1 LPM, inches H ₂ O @ 2 LPM, inches H ₂ O @ 2.5 LPM, inches H ₂ O @ 3 LPM, inches H ₂ O @ 3.5 LPM, inches H ₂ O @ 4 LPM, inches H ₂ O @ 5 LPM, inches H ₂ O	Fault† 8 hr. Run†† 35 30 35 30 30 25 25 20 15 12 — — — —	Fault † 8 hr. Run†† — — 30 25 — — 20 15 10 8 — — — —	Fault† 8 hr. Run†† — — 37 29 37 26 — — 32 23 — — 20 18 10 8	Fault† 8 hr. Run†† — — 40 35 40 30 — — 35 30 — — 30 20 15 10	Fault †8 hr. Run†† 25 max (to 350 cc/min)	Fault† 8 hr. Run†† — 20
Data Shown In Display	Live Flow Rate, Total Sample Time, Total Volume Sampled, Low Battery,	Elapsed Time (clock & timer models), Low Battery, Flow Fault	Elapsed Time (clock & timer models), Low Battery, Flow Fault	Elapsed Time (clock & timer models), Low Battery, Flow Fault	Elapsed Time	NA
Overall Dimensions: inches centimeters	3.2W x 4.9H x 2.0"D 8.2Wx12.4Hx5.1D	3.6Wx3.9Hx2.0"D 9.1Wx9.9Hx5.1D	3.6Wx3.9Hx2.0"D 9.1Wx9.9Hx5.1D	5.13Wx4.63Hx1.88"D 13.0Wx11.8Hx4.8D	2.5Wx4.63Hx1.38"D 6.4Wx11.8Hx3.5D	3.6Wx3.9Hx2.0"D 9.1Wx9.9Hx5.1D
Total Pump Weight	19.5 oz. (0.53 kg)	21.0 oz. (0.6 kg)	22.5 oz. (0.64 kg)	36-37 oz. (1.0 kg)	12 oz. (0.34 kg)	21 oz (0.6 kg)
Rechargeable Battery	6.0v, 1.8amp-hr. (NiMH) Memory-Free	4.8v, 1.8amp-hr. (NiCad)	6.0v, 1.8amp-hr. (NiCad)	6.0v, 1.8amp-hr. (NiCad)	4.8v, 0.5amp-hr. (NiCad)	4.8v, 1.8amp-hr. (NiCad) NiCad
Operating Temperature Limitations	32º to 113ºF 0º to 45ºC	32º to 104ºF 0º to 40ºC	32º to 104ºF 0º to 40ºC	32º to 113ºF 0º to 45ºC	-4º to 113ºF -20º to 45ºC	-4º to 113ºF -20º to 45ºC
Certifications	UL, cUL & CE	CE, Ex, UL: Class I, Groups A, B, C, D; Class II, E,F,G; and Class III; Div. 1; Temp. Code T3C ****				UL
Charging Time	< 5 hours	14-16 hours				
Battery Life **	300-500 charge-recharge cycles, OR 2.5 yrs with <20 hrs. weekly use, 1.5-2.5 yrs (20-39 hrs. weekly use), 1.0-1.5 yrs (40-60 hrs. weekly use)					
Operating Duration (full charge)	8 to 10 hrs. at 3.0 LPM (see back pressure , above) (except BDX II, rated at 10 hrs. @ 2.0 LPM)					
	* 1-750cc/min. requires installation of low flow module. ** Battery Life estimates based on proper battery maintenance. *** Available in models HFS-513-AUC or HFS-513-AUP only. **** Certifications can vary, based on model.			† Maximum backpressure before fault with fully charged battery †† Safe backpressure for 8-hour run without fault. ‡ Flow control is ± 3% of set point between 1-3 LPM and ± 5% of set point below 1 LPM and above 3 LPM.		

† Maximum backpressure before fault with fully charged battery pack.
 †† Safe backpressure for 8-hour run without fault.
 ‡ Flow control is $\pm 3\%$ of set point between 1-3 LPM and
 $\pm 5\%$ of set point below 1 LPM and above 3 LPM.

THE SENSIDYNE ANSWER CENTER
 800.451.9444 (or 727.530.3602; fax 727.539.0550)

AIR SAMPLING SOLUTIONS, AS CLOSE AS YOUR TELEPHONE.

