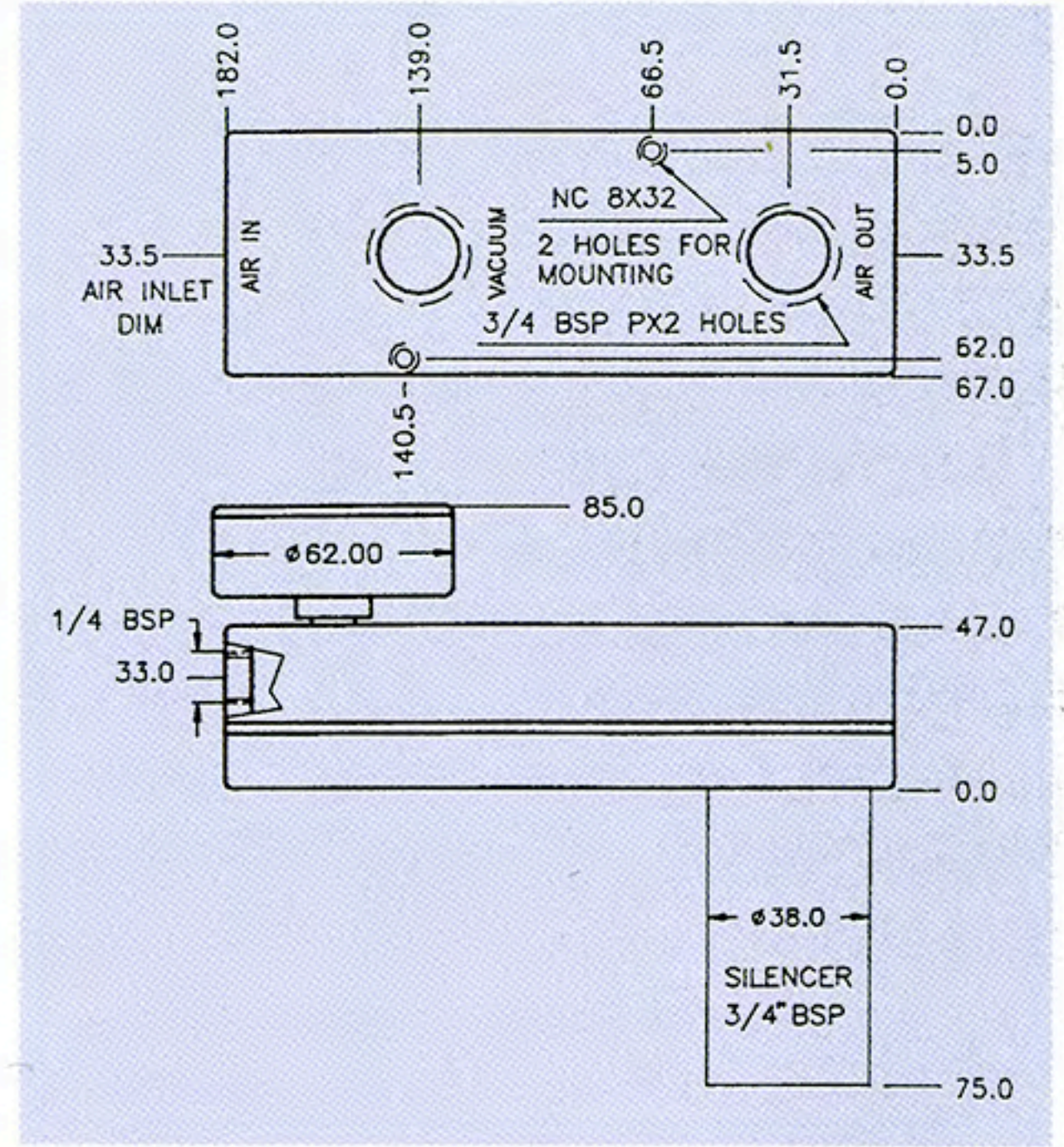


## HLP-4 HIGH VACUUM HIGH FLOW

**AIR CONSUMPTION** : 150 Nlit per min at 4-6 BAR.  
**WORKING PRESSURE** : 5.2-6 BAR.  
**MAX SUPPLY PRESSURE** : 7 BAR.  
**MAX VACUUM** : -0.96 BAR at 6 BAR.  
**MAX VACUUM FLOW** : 180 Nlit per min.  
**WORKING TEMP.** : -10°C + 100°C.  
**WEIGHT** : 620 g.  
**NOISE LEVEL** : 60-65 db(A) full flow.  
**MATERIALS** : Epoxy painted AL, brass, silicon rub, neoprene, stainless steel.



## HLP-8 HIGH VACUUM HIGH FLOW

**AIR CONSUMPTION** : 300 Nlit per min at 4-6 BAR.  
**WORKING PRESSURE** : 5.2-6 BAR.  
**MAX SUPPLY PRESSURE** : 7 BAR.  
**MAX VACUUM** : -0.96 BAR at 6 BAR.  
**MAX VACUUM FLOW** : 360 Nlit per min.  
**WORKING TEMP.** : -10°C + 100°C.  
**WEIGHT** : 720 g.  
**NOISE LEVEL** : 65 db(A) full flow.  
**MATERIALS** : Epoxy painted AL, brass, silicon rub, neoprene, stainless steel.

### NOTE:

*HLP Pumps used for pre vacuum in vessel and for quick response with bellow suction cups.*

AIR AT 6 BAR

vacuum in - BAR	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	0.93
time in sec for evacuation of 1 lit to vac' level	HLP - 4 .03	.07	.14	.26	.5	.74	1.13	1.55	2.7	3.8
	HLP - 8 .015	.035	.07	.13	.25	.37	.57	0.78	1.35	1.9

vacuum in - BAR	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	0.93
vacuum flow Nlit per min, at 6 Bar vacuum	HLP - 4 180	145	102	65	34	27	20	14	11	4.2	1.5
	HLP - 8 360	290	204	130	68	54	42	30	23	8.4	2.8

