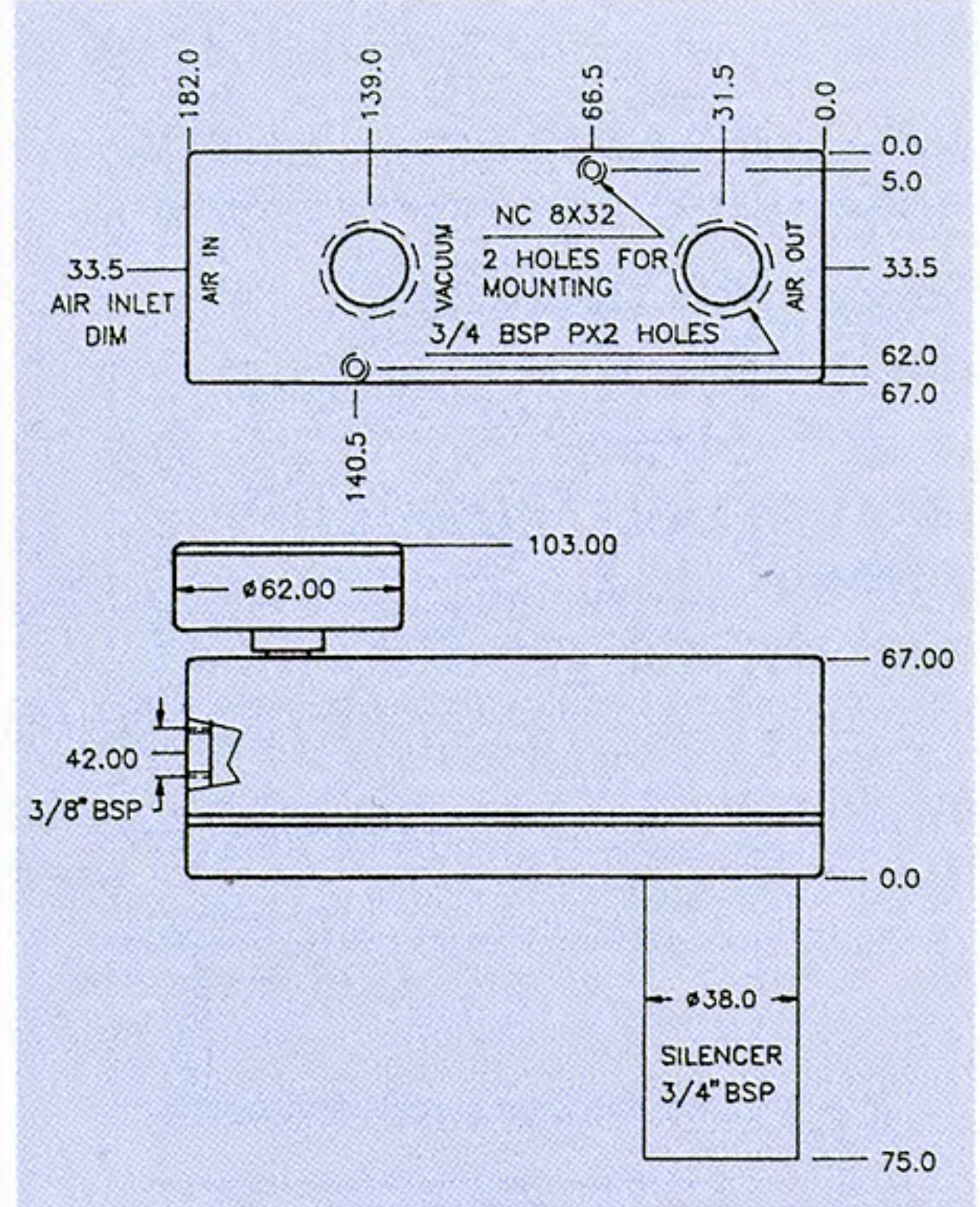


HLP-10 HIGH VACUUM HIGH FLOW

AIR CONSUMPTION : 450 INit 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 : 515 Nlit per min.
WORKING TEMP. : -10°C + 80°C.
WEIGHT : 720 g.
NOISE LEVEL : 60-65 db(A) at full flow.
MATERIALS : Epoxy painted AL, brass, silicon rub, neoprene, stainless steel.



HLP-12 HIGH VACUUM HIGH FLOW

AIR CONSUMPTION : 600 INit 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 : 690 Nlit per min.
WORKING TEMP. : -10°C + 80°C.
WEIGHT : 740 g.
NOISE LEVEL : 60-65 db(A) at 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 - 10 .012 | .025 | .05 | .95 | .17 | .25 | .38 | .53 | 0.9 | 1.28 |
| | HLP - 12 .01 | .018 | .037 | .63 | .13 | .19 | .29 | 0.4 | 0.68 | 0.95 |

| 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 - 10 515 | 420 | 306 | 198 | 102 | 82 | 62 | 45 | 34 | 12.5 | 4.5 |
| | HLP - 12 690 | 564 | 408 | 258 | 139 | 107 | 85 | 59 | 45 | 17 | 5.9 |

