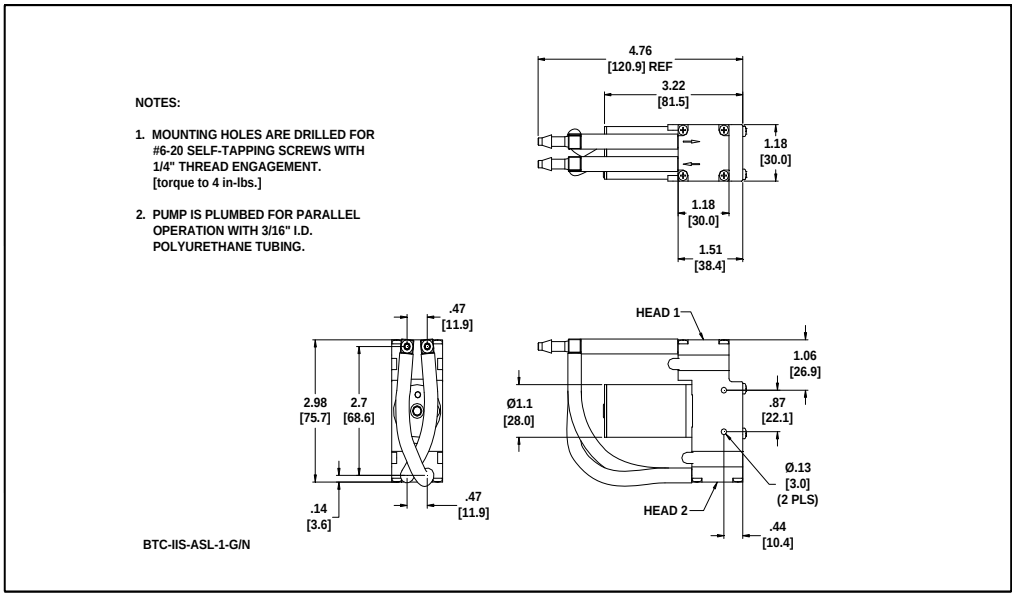
Part No.: **D1024-22-01**
Model No.: **C.1C43G1.1C43N1.A24VDC**
Description: **BTC-IIS Diaphragm Pump, Slotless Brushless Motor**

Mooresville, North Carolina 28117
T: 704-662-3500 F: 704-662-8744
www.hargravesfluidics.com

Dimensional Layout:



Specifications:

1. Wetted Materials:

Pump Head:	Vectra [LCP]
Retainer Washer:	2024 Alum [750/750]
Retainer Screw:	316 Stainless
Valves:	AEPDM [Q80/Q80]
Diaphragm:	AEPDM [C80/C80]
Gasket:	EPDM[65]

2. Performance:

		Continuous	Maximum
- Vacuum: in Hg [AIR]	Parallel:	21.0	21.0

3. Electrical:

Motor:	Brushless, Dual Bearing
Operating Voltage:	24.0 VDC
In-rush Current:	5 x Operating Current for up to 50 ms
Recommended Fusing:	Slow Blow @ 2 x Operating Current

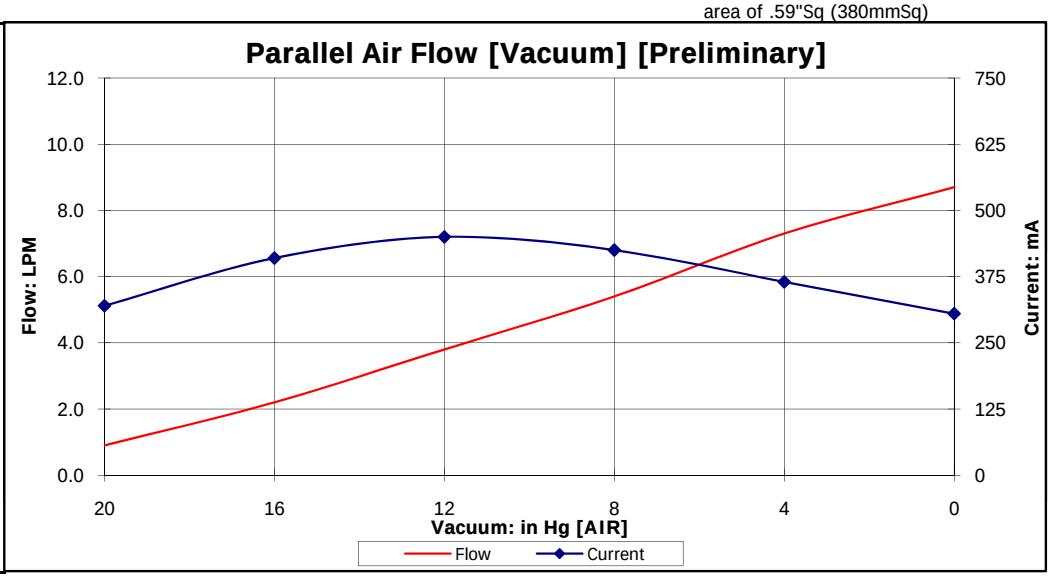
4. Other:

Temperature Range:	5 - 50° C
Free Flow RPM:	3350
Eccentric:	A900/A900

5. Operating Limitations: Not configured for pressure operation

6. Recommended Filtration: 40 micron media w/ a minimum surface area of .59"Sq (380mmSq)

Vac	Flow	Current
20	0.9	320
16	2.2	410
12	3.8	450
8	5.4	425
4	7.3	365
0	8.7	305



The above graph denotes nominal performance at 800' above sea level at 24 degrees C and at the specified voltage. **PR**