

# Lifemate™ Diaphragm Pumps

OIL FREE, PRESSURE & VACUUM PUMPS FOR AIR & GAS

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## Lifemate Diaphragm Compressor (Pressure) Pumps

### Flow Vs Pressure Readings

Sr No.	Model/Motor	Flow Litres/ Minute @Pressure Psig							Max. Pressure Psig	Overall Size L x W x H mm	Wt Kgs. Approx.	Nipple OD mm	
		0	0.5	1	5	10	15	20					
1	NX AP 05 AC	4.92	3.24	3.12	2.34	1.10	—	—	15	143 x 114 x 79	1.6	5	
2	NX AP 06 AC	8.00	6.00	5.37	4.41	3.33	2.22	1.20	21	143 x 118 x 79	1.3	5	
3	NX AP 08 AC	8.30	6.75	6.59	5.50	4.47	3.20	2.00	27	143 x 123 x 79	1.6	5	
4	A 17 AC ***	8.50	5.25	5.00	4.00	3.00	2.50	1.75	22	143 x 120 x 75	1.6	6	
5	AP 12 AC	12.00	11.70	11.50	9.50	7.50	5.50	4.00	32	143 x 120 x 75	1.6	6	
6	BP 19/AC	17.40	14.40	14.08	11.90	8.70	5.06	—	19	190 x 140 x 78	2	10	
7	EP 35-12 VDC	28.00	20.30	16.50	13.70	10.80	6.70	—	12.5	168 x 162 x 86	2	8.5	

\*\* Note: All Values subject to tolerances

**Technical Specifications subject to change - All values are subject to tolerance.**

**IMPORTANT**

1. Application: Transferring air and gases at temp. between 5 Deg. C and 50 Deg. C
  2. To maintain performance of the pump it is recommended a leak proof air filter be used on suction side to prevent foreign particles from entering the pump.
  3. Built in cooling fan is provided with Single Head AC Models.  
Installation of the pump should be such that the fan can draw in sufficient cooling air.  
Double Head AC Pumps may require external arrangement for cooling.
  4. These pumps are not suitable where there is risk of explosion.
  5. \*\*\* Only this pumps is suitable for re-start against Vacuum / Pressure.
- If restart against vacuum / pressure is required, inquire with us for suitability of the pump.

**Material Of Constructions of Lifemate Diaphragm pumps are:**

PARTS	NX SERIES	A, B, E & F SERIES
Pump Head	PPS	Polyamide 6.6 Glass Filled
Housing	Polyamide 6.6 Glass Filled	Polyamide 6.6 Glass Filled
Diaphragm, Valves & 'O' Rings	EPDM	EPDM
Metal Components	Aluminum, MS, Zink Plated	

**NOTE:**

For Diaphragm, Valve & Gasket inquire with us for other materials suited to your application.

The User is advised to check the suitability of material of construction (MOC) of pumps for the medium (Air/Gas)

passing through it & the surrounding atmosphere in which the pump will be used.

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