

Air pumps **APN-W series**



Air pumps which can pump both gas & liquid

The APN-W series are gas-liquid transfer pumps. The use of a special diaphragm allows the pump to transfer both air and liquid. The miniaturized & lightened body offers optimum sizing for various equipment such as analyzers, in which compactness is always a key requirement.

- Design for transferring both gas and liquid ensures long life.
- Ideal for waste liquid collection thanks to the ability to handle entrained gas.
- Ultra-compact and lightweight
- High corrosion resistance
- Low noise design
- Oil-free design
- Capable of self-priming under dry condition.



APN-05-W (Actual size)



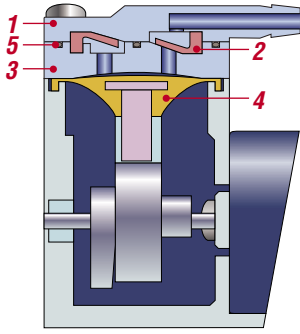
APN-30/60-W

APN-20-W

APN-05/10-W



• Construction and materials



Model	APN-05, 10, 20, 30, 60-W
1 Pump head	GFRPP
2 Valve	FKM, Perfluoro® ^{Note}
3 Valve seat	GFRPP
4 Diaphragm	FKM, PTFE/EPDM ^{Note}
5 Gasket	FKM, Perfluoro® ^{Note}

Note: Special order on APN-05, 10 & 20.

• Pump identification

APN - 10 G D2 - W 02

1 2 3 4 5 6

1 Series symbol	4 Motor D2: DC24V
2 Model 05, 10, 20, 30, 60	5 Gas-liquid transfer type
3 Bracket shape No symbol: Without base G: With base	6 Special version

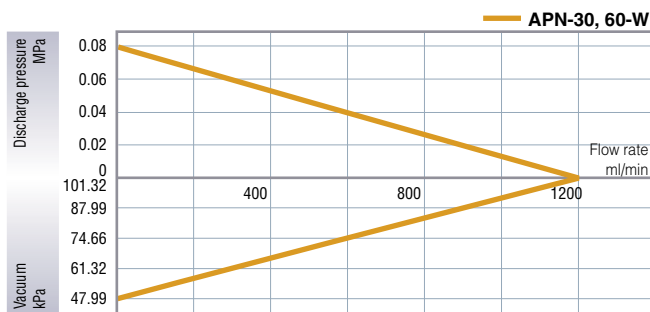
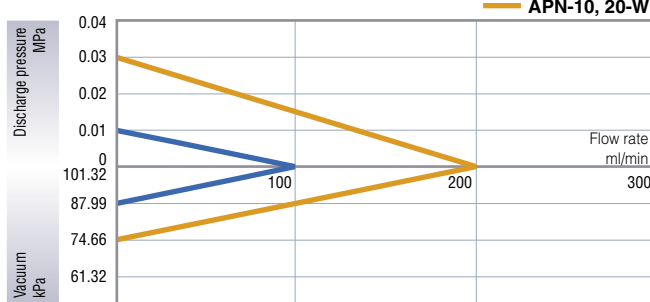
• Specification

Model	Gas			Gas-liquid Max. vacuum (kPa)	Connection size IN/OUT	Motor				Mass (kg)
	Max. flow (L/min)	Max. capacity (L/min)	Max. discharge pressure (MPa)			Output (W)	Power consumption (W)	Rated current (A)	Rated voltage (V)	
APN-05-W	0.1	0.05	0.01	87.99	Hose 4.5mm dia.	2.5	4.8	0.2	DC24	0.11
APN-10-W	0.2	0.1	0.03	74.66						
APN-20-W		0.2			0.08	47.99	Hose 5.5mm dia.	5.8	11.5	0.48
APN-30-W	0.3									
APN-60-W	0.6									

Note: Discharge side pressure should be less than specification.

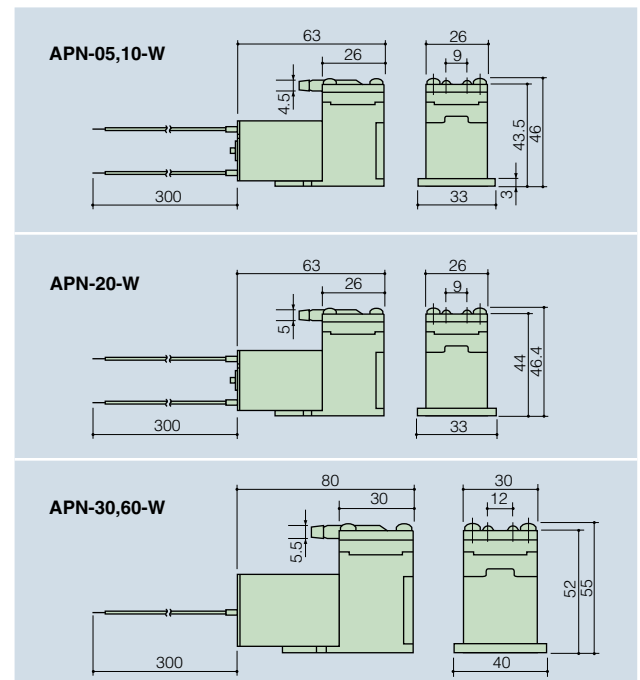
- Handling gas temp. 5 - 40°C
- Handling liquid temp. 10 - 40°C

• Performance curves (When handling gas)



Note: Above performance shows when handling gas.
When handling gas and liquid mixture, please contact us for pump performance.

• Construction and materials



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Caution for safety use: Before use of pump, read instruction manual carefully to use the product correctly.
Actual pumps may differ from the photos. Specifications and dimensions are subject to change without prior notice. For further details please contact us.