COMECTA Membrane vacuum pump

SUITABLE FOR AIR, GAS AND VAPOURS.

FEATURES

Transfer, evacuation and compression, free from contamination.
The model N-86 of 2.5 and 4 bar of relative pressure, can be used also as a compressor.
Can be operated dry.
No lubrication required.
Maintenance free.
Silent.
The double head models are made with linear two phase membranes.
All Models are made with a patented system of diaphragms manufactured with optimum tension, that results in a smaller more durable pump.
Approximate loss 6 x 10-3 mbar x L/s
Complete with thermal breaker and fuse.
Medium to high resistance to chemicals, (model dependant).
We advise that you check the compatibility of the pump performance with the materials that will be in contact with the pump parts (see table).



N-86
Part No. 5910106



N-816
Part No. 5910108



N-820 Part No. 5910009
or N-840 Part No. 5910110

NEW



N-96
Part No. 5910105

MODELS / TECHNICAL DATA	N-86	N-816	N-820	N-840	N-96
Code	5910106	5910108	5910009	5910110	5910105
Vacuum flow rate (at 1 Atm. of pressure)	5,5 l/min	16 l/min	20 l/min	34 l/min	7 l/min
	0,33 m^3/h	0,96 m^3/h	1,2 m^3/h	2,04 m^3/h	0,4 m^3/h
Vacuum limit (mbar) absolute	160 mbar	20 mbar	8 mbar	8 mbar	130 mbar
Relative pressure (bar)	2,5 bar	0,5 bar	1 bar	1 bar	2,5 bar
For connection to inner Ø pipe	4 mm	6 mm	10 mm	10 mm	6 mm
Number of heads and phases	1	2	2	2	1
Head material	PPS	PPS	PTFE	PTFE	PPS
Material of membranes (diaphragms)	teflon-coated	teflon-coated	teflon-coated	teflon-coated	PTFE
Valve material	FFPM	FFPM	FFPM	FFPM	FKM
Degree of motor protection	IP-20	IP-20	IP-44	IP-44	IP40
Permissible operating and ambient gas temperatures	5 to 40 °C	5 to 40 °C	5 to 40 °C	5 to 40 °C	5 to 40 °C
Consumption (A) / Power (W)	0,63 / 65	0,6 / 100	0,7 / 120	1,5 / 245	0,9 / 19
Dimensions height x width x depth (cm)	14 x 9 x 17	14 x 9 x 36	21 x 15 x 31	23 x 17 x 34	16 x 12 x 8
Weight (Kg)	1,9	3,95	9,3	12,6	1,3
Vacuum controller	5001787				
APPLICATIONS AND CHEMICAL RESISTANCE	**N-86**	**N-816**	**N-820**	**N-840**	**N-96**
Chemical resistance (depending the material in contact with the pumped medium)	medium-high	medium-high	high	high	medium - high
For highly aggressive or corrosive gases and vapors	-	-	YES	YES	-
For slightly aggressive or corrosive gases and vapors	YES	YES	YES	YES	YES
For transfer and evacuation	YES	YES	YES	YES	YES
For transfer, evacuation and also as a compressor	YES	-	-	-	YES
Ideal for vacuum filtration	YES	YES	YES	YES	YES
Ideal for vacuum filtration, evaporation, drying, gel drying, ...	-	-	YES	YES	YES

SPARE PARTS, FOR MODELS	N-86	N-816	N-820	N-840	N-96
Spare parts kit: 1 diaphragm + 2 valves + 2 sealing gaskets	5910120	-	-	-	
Spare parts kit: 1 diaphragm + 2 valves + 1 sealing gasket	-	-	-	-	-
Spare parts kit: 2 membranes + 4 valves + 4 sealing gaskets	-	5910122	5910123	5910124	-