



Medo pumps are unique products that feature a linear-motor-driven free piston system. Utilised in varied applications, from life support systems to robotics, Nitto Kohki has developed a comprehensive series of precision air compressors and vacuum pumps that incorporate this uniquely functional design. Proven throughout the world for over two decades, we are proud to have been selected by many leading companies in advanced industries as their primary supplier of air compressor type equipment.

AC LINEAR Diaphragm Pump

Model	Max. Vacuum			Rated Pressure			Max. Pressure			Rated Airflow		Page
	kPa (mmHg)	mbar	in.Hg	MPa (kgf/cm ²)	bar	psig	MPa (kgf/cm ²)	bar	psig	ℓ/min	cfm	
VC0100 Dual	-14.7 {-110}	-147	-4.33	0.004 {0.04}	0.04	0.57	0.016 {0.16}	0.16	2.28	6	0.21	55
VC0100 Blower				0.004 {0.04}	0.04	0.57	0.016 {0.16}	0.16	2.28	6	0.21	56
VC0101 Dual 120V	-18.7 {-140}	-187	-5.51	0.01 {0.1}	0.1	1.42	0.018 {0.18}	0.18	2.56	10	0.35	57
VC0101 Dual 230V	-10 {-76}	-100	-2.95	0.01 {0.1}	0.1	1.42	0.015 {0.15}	0.15	2.13	10	0.35	
VC0101 Blower				0.01 {0.1}	0.1	1.42	0.02 {0.2}	0.2	2.84	10	0.35	58
VC0101S Dual	-24 {-180}	-240	-7.08	0.005 {0.05}	0.05	0.71	0.026 {0.26}	0.26	3.70	15	0.53	59
VC0101S Blower				0.005 {0.05}	0.05	0.71	0.026 {0.26}	0.26	3.70	15	0.53	60
VC0201 Dual	-18.7 {-140}	-187	-5.5	0.01 {0.1}	0.1	1.42	0.018 {0.18}	0.18	2.56	20	0.71	61
VC0201 Blower				0.01 {0.1}	0.1	1.42	0.018 {0.18}	0.18	2.56	20	0.71	62
VC0301 Dual	-21.3 {-160}	-213	-6.3	0.01 {0.1}	0.1	1.42	0.02 {0.2}	0.2	2.84	25	0.88	63
VC0301 Blower				0.01 {0.1}	0.1	1.42	0.02 {0.2}	0.2	2.84	25	0.88	64
VC0201B	-18.7 {-140}	-187	-5.5	0.01 {0.1}	0.1	1.42	0.018 {0.18}	0.18	2.56	20	0.71	65
VC0301B	-21.3 {-160}	-213	-6.3	0.01 {0.1}	0.1	1.42	0.02 {0.2}	0.2	2.84	25	0.88	66

DC Diaphragm Pump / DC Piston Pump

Model	Attainable Vacuum			Max. Pressure			Free Air Displacement		Page
	kPa (mmHg)	mbar	in.Hg	MPa (kgf/cm ²)	bar	psig	ℓ/min	cfm	
DP0125	-33.3 {-250}	-333	-9.84	0.03 {0.3}	0.3	4.27	2.5	0.088	69
DP0140	-53.3 {-400}	-533	-15.7	0.05 {0.5}	0.5	7.1	4	0.141	70
DP0102	-26.7 {-200}	-267	-7.87	0.045 {0.45}	0.45	6.4	5	0.177	71
DP0102S	-26.7 {-200}	-267	-7.87	0.045 {0.45}	0.45	6.4	7	0.247	72
DP0102H-X1	-50.7 {-380}	-507	-15	0.08 {0.8}	0.8	11.4	4	0.141	73
DP0102H-X2				0.08 {0.8}	0.8	11.4	4	0.141	74
DP0105-X1	-66.6 {-500}	-666	-19.7	0.25 {2.5}	2.5	35.6	2.8	0.1	75
DP0105-Y1	-66.6 {-500}	-666	-19.7	0.25 {2.5}	2.5	35.6	2.8	0.1	76
DPA0105-X1				0.22 {2.2}	2.2	31.3	2.8	0.1	77
DPA0105-Y1				0.22 {2.2}	2.2	31.3	2.8	0.1	78
DP0110-X1	-66.6 {-500}	-666	-19.7	0.15 {1.5}	1.5	21.3	7.5	0.26	79
DP0110-Y1	-66.6 {-500}	-666	-19.7	0.15 {1.5}	1.5	21.3	7.5	0.26	80

PIEZOELECTRIC PUMP

Model	Discharge Pressure		Flow Rate		Self-priming Pressure		Page
	kPa	bar	mℓ/min	cfm	kPa	bar	
120V AC 60Hz							
BPS-215i	15		30		3		83
BPS-235G	15		30		1.5		
BPH-214i	18		350		8		
BPH-214D	18		350		8		
BPH-214E	18		350		8		
BPH-214G	17		350		7		
BPH-414i	35		500		12		
BPH-414D	35		500		12		
BPH-414E	35		500		12		
BPH-414G	32		450		10		
BPH-474G	35		400		10		
BPH-474P	35		400		10		
BPH-465P	35		400		10		
230V AC 50Hz							
BPS-215i	10		10		0.4		84
BPS-235G	10		10		0.4		
BPH-214i	18		220		8		
BPH-214D	18		220		8		
BPH-214E	18		220		8		
BPH-214G	17		220		7		
BPH-274G	35		250		7		
BPH-274P	35		250		7		
BPH-265P	35		250		7		

MINIATURE DIAPHRAGM PUMP

Model	Working Pressure			Flow Rate		Self-priming Pressure		Page
	kPa	bar	psig	mℓ/min	cfm	kPa	bar	
DPE-100	100	1	14.5	100	0.0035	20		87
DPE-400	100	1	14.5	400	0.0141	40		88