

Changing the world of vacuum...



Blueline®

Vacuum
Technologies, Inc.

Neptune® Series

Oil Sealed Rotary Vane
Vacuum Pumps



Double Stage

General purpose Version
DOT brake fluid Version
Ammonia resistant Version

sales@bluelinevacuum.com

Neptune® Series

Double Stage Oil-sealed rotary
vane Pump



Forced Oil
Lubrication,
Internal Oil Pump



Quality
Manufacturing



Anti-suck Valve
Low backstreaming



Neptune® Series



Double Stage Oil-sealed rotary vane Pumps

- Highly Reliable
- Ultimate pressure of 4×10^{-4} Mb
- Quiet operation
- Speeds from 5 to 80 m³ x hr (2.3 to 47 CFM)

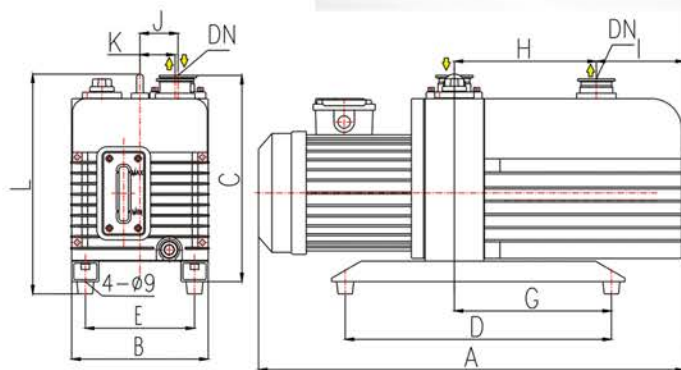
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Specifications

Model	Neptune 5	Neptune 10	Neptune 20	Neptune 30	Neptune 40	Neptune 60	Neptune 80
Displacement speed m ³ /h	5	10	20	30	40	60	80
Ultimate partial pressure gas ballast closed (Mbar)	5×10^{-4}	5×10^{-4}	4×10^{-4}	4×10^{-4}	4×10^{-4}	4×10^{-4}	4×10^{-4}
Power supply	110V/220V	110V/220V	110V/220V	110V/220V	220V	220V	220V
Power rating (kW)	0.4/0.37	0.4/0.37	0.75/0.55	1.1/0.75	1.1	1.5	1.5
Intake and exhaust DN (mm)	KF16/25	KF16/25	KF25	KF25/40	KF25/40	KF40	KF40
Oil capacity (L)	0.6~1.0	0.6~1.0	0.9~1.5	1.3~2.0	1.3~2.0	3.3~4.5	3.3~4.5
Motor Speed (RPM)	1720	1720	1720	1720	1720	1720	1720
Ambient temperature (°C)	5 to 40	5 to 40	5 to 40	5 to 40	5 to 40	5 to 40	5 to 40
Noise level (dB)	≤56	≤56	≤58	≤58	≤58	≤62	≤62
Weight (kg)	19	21	30	35	43	62	65

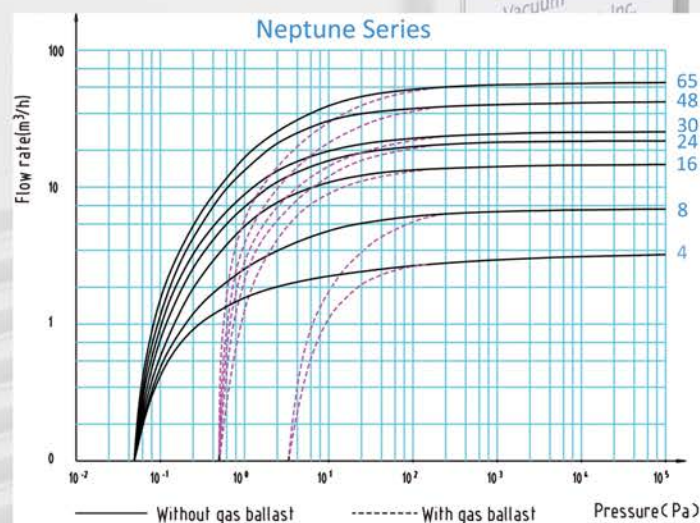
Typical Applications

- Sterilizers
- Backing pumps for high systems.
- Degassing in refrigerations
- Electron beam microscopes
- Leak detection systems
- Epoxy casting (electronics)
- Resin degassing
- Table coating systems
- Refrigeration Drying
- Freeze drying
- Brake line evacuating
- and many more...



DIMENSIONS

TYPE	A	B	C	D	E	F	G	H	I	J	K	DN
Neptune 5	460	144	207	240	120	126	154	45	45	34	230	KF16/25
Neptune 10	460	144	207	240	120	126	154	45	45	34	230	KF16/25
Neptune 20	520	188	272	320	148	160	165	69	59	38	295	KF25
Neptune 30	560	188	272	320	148	160	185	82	59	47	295	KF25/40
Neptune 40	560	188	272	320	148	160	185	82	59	47	295	KF25/40
Neptune 60	730	234	358	396	190	200	223	157	69	55	390	KF40
Neptune 80	730	234	358	396	190	200	223	157	69	55	390	KF40



Neptune® Series

DOT Version

Designed for Brake lines evacuation in automobile assembly plants
Glycol-based (DOT3 and DOT) and Silicon-based (DOT5) brake fluids.

Model		Neptune DOT 20	Neptune DOT 30	Neptune DOT 40
Displacement speed m ³ /h	60Hz	20	30	40
Ultimate partial pressure gas ballast closed (Mbar)		4x10 ⁻⁴	4x10 ⁻⁴	4x10 ⁻⁴
Power supply		110V/220V	110V/220V	220V
Power rating (kW)		0.75/0.55	1.1/0.75	1.1
Intake and exhaust DN (mm)		KF25	KF25/40	KF25/40
Oil capacity (L)		0.9~1.5	1.3~2.0	1.3~2.0
Motor Speed (RPM)	60Hz	1720	1720	1720
Ambient temperature (°C)		5 to 40	5 to 40	5 to 40
Noise level (dB)		≤58	≤58	≤58
Weight (kg)		30	35	43



Prepared to withstand the corrosive nature of DOT Brake Fluids.



Evacuates 6 independent ports
And for convenience the cart is included.
Also includes a vacuum gauge.

Ammonia Version

Designed to evacuate Ammonia-based refrigerant AC systems.

Model		Neptune AM 20	Neptune AM 40
Displacement speed m ³ /h	60Hz	20	40
Ultimate partial pressure gas ballast closed (Mbar)		4x10 ⁻⁴	4x10 ⁻⁴
Power supply		110V/220V	220V
Power rating (kW)		0.75/0.55	1.1
Intake and exhaust DN (mm)		KF25	KF25/40
Oil capacity (L)		0.9~1.5	1.3~2.0
Motor Speed (RPM)	60Hz	1720	1720
Ambient temperature (°C)		5 to 40	5 to 40
Noise level (dB)		≤58	≤58
Weight kgs. (with Cart)		30 (38)	43 (51)



Headquarters USA

Blueline Vacuum Technologies, Inc.
3891 Crestwood Circle
Weston, Florida 33331
(954) 217 9497
sales@bluelinevacuum.com

USA

1. Pumps International, Inc.
665 Commercial Way, Unit A
Henderson, Nevada 89011
Office: (702) 565-9384

MEXICO

2. ISVAC Bombas de Vacío, S.A. de C.V.
CALLE DOS #239 COL. ARENAL CP. 02980
DELEGACIÓN AZCAPOTZALCO MÉXICO D.F.
Attn. Marco Antonio Martínez
isvac2004@yahoo.com.mx
(+52) 55 54730581

3. EQUIPOS Y SERVICIOS DE INGENIERIA
Sur 111 No. 2513 Col. Ramos Millan
C.P. 098720
Mexico DF
55 12649376
Claudia Carrillo
ventasibombas@gmail.com

BRAZIL

4. NUTZEN DO BRASIL, Ltda
R. Botafogo, 262
Santana de Parnaíba – São Paulo
CEP: 06502-005
nutzen@nutzen.com.br