

NVE

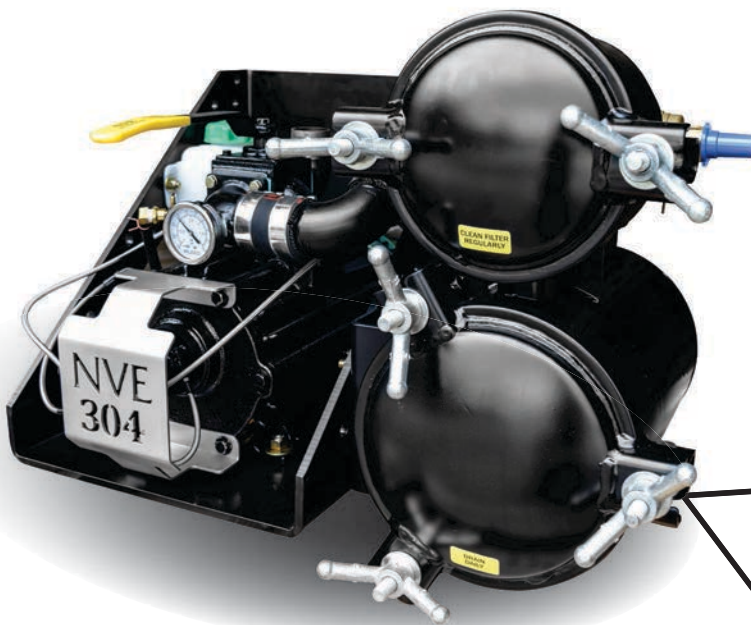
Challenger Series

VACUUM PUMPS & BLOWERS

SPECIALTY CATALOG

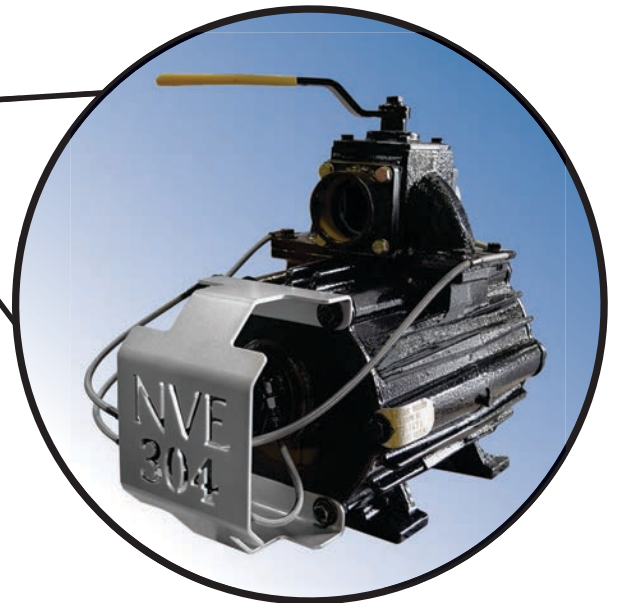
304 PUMPS

DESIGNED FOR THE PORTABLE TOILET INDUSTRY



Several factory designed and built mounting options available.

210 CFM



Reliable - Efficient - Cost Effective

NVE



304 Vacuum Pump - Page 3



304 Pump Stand Complete - Page 4



304 Horizontal Package - Page 5



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304 Combo Pack - Page 7



304 Engine Drive Package - Page 8

North America's Leading Manufacturer & Wholesaler of Industrial Vacuum Equipment

304 Vacuum Pump

Product Features:

- Exclusive NVE automatic oil pump
- Rugged braided stainless steel oil delivery lines
- Ductile iron housing
- Vane wear inspection port
- On truck serviceability
- Remote mount 5 quart see through oil tank for constant oil level monitoring
- Available in clockwise and counter-clockwise rotation
- Approximate overall dimensions; L 22" x W 14" x H 16"
- Two year warranty against manufacturer defect
- *Designed, built, and supported in the USA*



Part #110-304

PRODUCT DESCRIPTION	PART NUMBER	WEIGHT	MSRP
Challenger 304 CW	110-304-D	179	\$1,790.00
Challenger 304 CCW	110-304-S	179	\$1,790.00
Challenger 304 CW W/HYD Drive Mt	117-304-HYD-D		\$1,885.00
Challenger 304 CCW W/HYD Drive Mt	117-304-HYD-S		\$1,885.00

304 Pump Stand Complete Packages

Product Features:

- 304 vacuum pump
- Heavy duty 3/8" steel gusseted frame
- Durable powder coat finish
- Lightweight aluminum gearbox for cool operation
- Reliable Rexnord Coupler
- Remote mount 5 quart see through oil tank for constant oil level monitoring
- Available in clockwise and counter-clockwise rotation
- Approximate overall dimensions; L 34" x W 15" x H 18"
- Two year warranty against manufacturer defect
- *Designed, built, and supported in the USA*



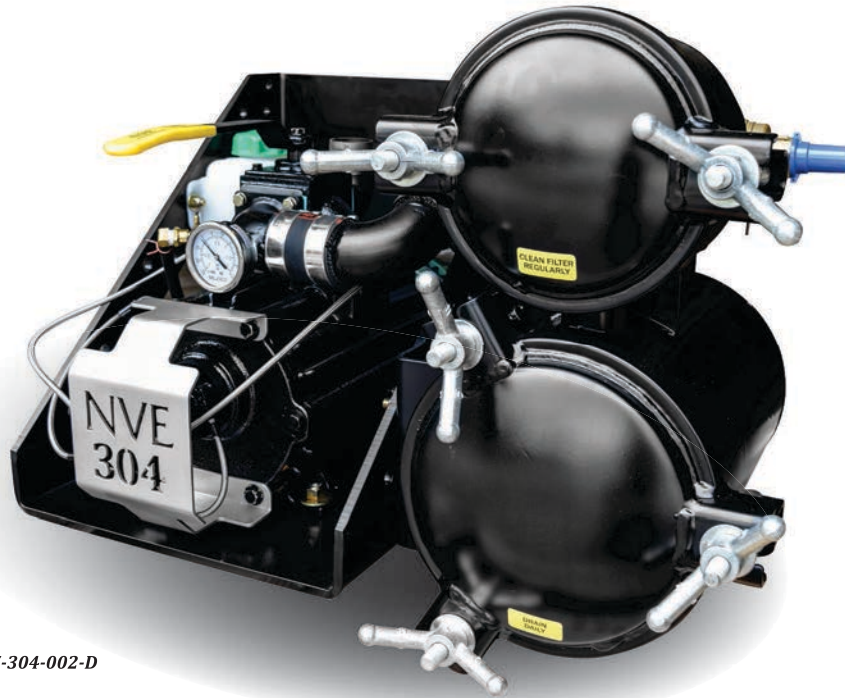
Part #117-304-006-D

PRODUCT DESCRIPTION	PART NUMBER	WEIGHT	MSRP
Challenger 304 CW Pump Stand Complete	117-304-001-D	297	\$2,750.00
Challenger 304 CW Pump Stand Complete W/HYD Adapter	117-304-006-D		\$3,000.00

304 Horizontal Packages

Product Features:

- 304 vacuum pump and stand
- Gearbox or hydraulic drive options available
- Pre-filter
- Horizontal moisture trap
- Diesel flush kit included
- Vacuum relief valve and vacuum pressure gage
- Available in clockwise and counter-clockwise rotation
- Approximate overall dimensions; L 34" x W 31" x H 18"
- Two year warranty against manufacturer defect
- *Designed, built, and supported in the USA*



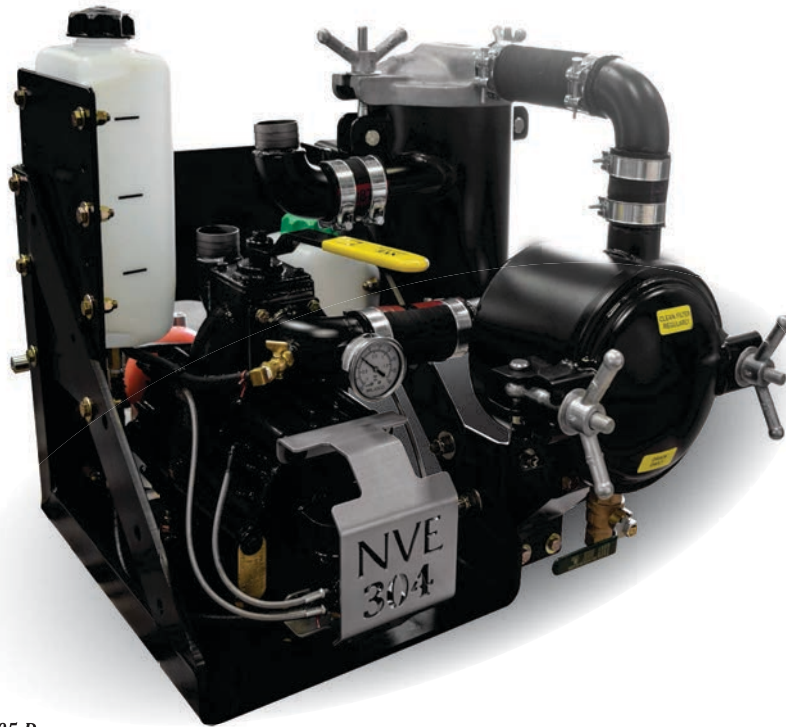
Part #117-304-002-D

PRODUCT DESCRIPTION	PART NUMBER	WEIGHT	MSRP
Challenger 304 CW Horizontal	117-304-002-D	392	\$3,928.57
Challenger 304 CW Horizontal W/HYD Motor	117-304-004-D		\$4,178.57

304 Vertical Packages

Product Features:

- 304 vacuum pump and stand
- Gearbox or hydraulic drive options available
- Inlet filter with a drain
- Vertical moisture trap with cast aluminum lid
- Mounted 5 quart lube kit
- Diesel flush kit included
- Vacuum relief valve and vacuum pressure gage
- Available in clockwise and counter-clockwise rotation
- Approximate overall dimensions; L 40" x W 25" x H 25"
- Two year warranty against manufacturer defect
- *Designed, built, and supported in the USA*



Part #117-304-005-D

PRODUCT DESCRIPTION	PART NUMBER	WEIGHT	MSRP
Challenger 304 CW Vertical	117-304-003-D	385	\$3,928.57
Challenger 304 CW Vertical W/HYD Motor	117-304-005-D		\$4,178.57

North America's Leading Manufacturer & Wholesaler of Industrial Vacuum Equipment

304 Combination Moisture Trap/Muffler Package

Product Features:

- 304 Vacuum pump and stand
- Combination moisture trap and muffler
- Vacuum and pressure relief valves with gage
- Right or left mounting options
- Available in clockwise and counter-clockwise rotation
- Approximate overall dimensions; L 34" x W 25" x H 26"
- Two year warranty against manufacturer defect
- *Designed, built, and supported in the USA*



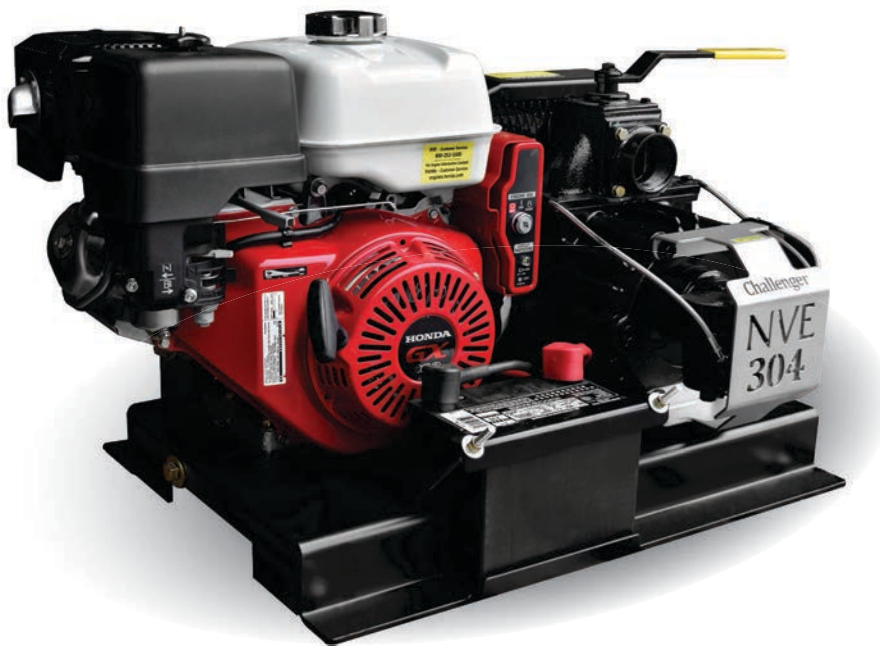
Part #117-304-007-D

PRODUCT DESCRIPTION	PART NUMBER	WEIGHT	MSRP
Challenger 304 CW W/Combination Moisture Trap/Muffler	117-304-007-D	404	\$3,800.00
Challenger 304 CW W/Combination Moisture Trap/Muffler W/HYD Motor	117-304-008-D		\$3,800.00

304 Engine Drive Packages

Product Features:

- 304 Vacuum pump and stand
- Honda 13 HP Electric Start Motor
- Battery included
- Available in clockwise and counter-clockwise rotation
- Approximate overall dimensions; L 23" x W 33" x H 21"
- Two year warranty against manufacturer defect
- *Designed, built, and supported in the USA*

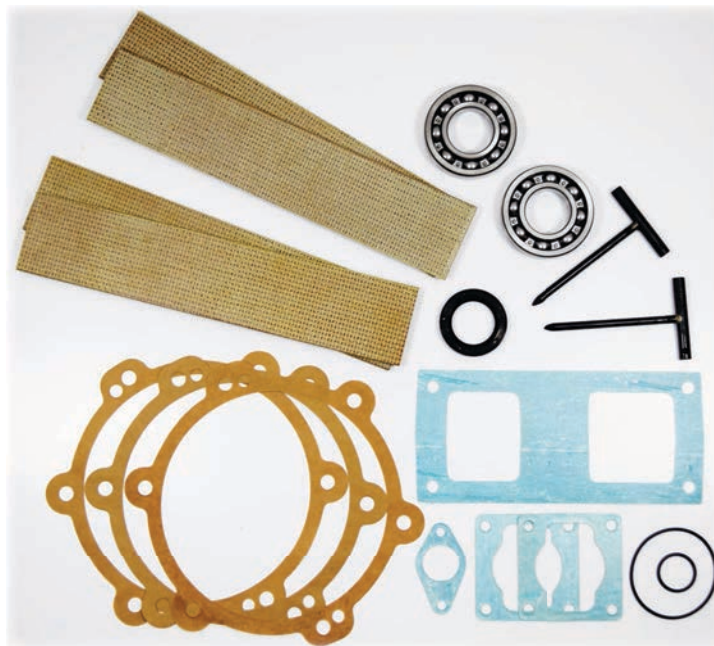


PRODUCT DESCRIPTION	PART NUMBER	WEIGHT	MSRP
Challenger 304 CCW W/13 HP Honda Engine Drive	117-EDR-304-1	400	\$4,429.00

304 Repair Kits

Product Features:

- Comes with or without bearings and includes the seals, gaskets, and vanes.
- Designed, built, and supported in the USA



Part #115-304-0

PRODUCT DESCRIPTION	PART NUMBER	WEIGHT	MSRP
Repair Kit 304	115-304-0	3	\$312.90
Repair Kit 304 (W/O Bearings)	115-304-0B	2	\$292.90

304 Components & Accessories

OIL CATCH MUFFLER

8" Aluminum tread plate exterior with 2" NPT.
Compact Design
Rated to 250 CFM
2" Port
1" Drain Valve



PRIMARY SHUTOFF

8" available with low-profile designs.

Necks available in aluminum, carbon and stainless steel.



MANWAYS

12", 17", 20", 25" & 36"

Available in aluminum, carbon and stainless steel.



SECONDARY SHUTOFFS

Secondary shutoffs. 4 Gallon capacity moisture traps.

Available in aluminum, carbon and stainless steel.



WINGNUTS & LUBENUTS

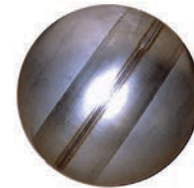
Standard 5/8" wingnuts and greasable lubenuts.

Available as a kit.



FLOAT BALLS

Stainless steel construction.



MANWAY GASKETS

Replacement 5/8" square BUNA gaskets for most manways.



BALL SEATS

Available in standard BUNA, EPDM, Hypalon or Viton materials.



GEAR BOXES

200 series 1:1



COUPLERS

Reliable Rexnord coupler set.



304 Components & Accessories

VACUUM AND PRESSURE RELIEF VALVES

Vacuum Relief Valve:
1 1/2" NPT

Pressure Relief Valves:
1 1/4", 1 1/2" and 2" NPT



VALVES

Ball Valves
available in 2", 3"
& 4" port sizes.

Lever Valves
available in 2", 3",
4" & 6" sizes.



VACUUM / PRESSURE GAUGES

Vacuum and
Pressure gauges.
Also available in
our relief manifold.



RELIEF MANIFOLDS

Easily installed in
2", 3" & 4" hose.
Manifold includes
gauges, vacuum
and pressure relief
valves.



SIGHT EYES

5" tempered glass sight eye
available in carbon steel,
aluminum or stainless
steel.

2" & 3" Plastic Sight
Eyes



FLUSH KIT

Includes all of
the components
to properly
flush your NVE
Challenger
Vacuum Pump.



CHALLENGER PUMP OIL

ISO 68 Pump Oil for our line
of NVE Challenger Vacuum
Pump products!



MADE IN THE USA

Challenger Series

VACUUM PUMPS & BLOWERS



We design, build and service the best pumps and packages on the planet... and we do it in the USA.

For over 30 years NVE has been providing quality vacuum system components to the liquid waste markets.

From design, to development, to product support, NVE is the industry leader. In addition to our team of engineers and highly qualified support staff, NVE has a state of the art machine shop, fabrication shop, and powder coat paint facility housed in two plants in Traverse City, Michigan. We also have a warehouse and sales support facility in Mansfield, Texas.

Thank you,

NVE

Challenger Series

VACUUM PUMPS & BLOWERS

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