

# Conversion Kit

## NVE 607 Package upgrade to a Masport Titan Pump

**MASPORT**  
VACUUM PUMP SYSTEMS

**Breathe new life** into your existing NVE system with a high performance Masport Titan Pump.

When the pump in your NVE Challenger package fails, needs replacing or when you simply want better performance and longer life, that's the perfect time to make the switch to a Masport Titan.

Our cost-effective retrofit Conversion Kit utilizes your existing NVE Challenger package, making it easy for you to extend the life of your pumper unit and maximize your return on investment.

Every ultra-reliable Titan pump is factory tested before shipping and is backed up by a one year warranty against all manufacturing defects.

With a Masport Titan on board you have an efficient and reliable pump backed by the best customer focused service and support that has made Masport the #1 choice for pumpers worldwide.

Masport's Titan pump can be retrofitted to most NVE Challenger Series pump packages



Advantages of upgrading to a quality high performance Masport Pump include:

- ▶ Quieter operating sound level
- ▶ Higher airflow
- ▶ Lower operating temperature
- ▶ Higher continuous vacuum level
- ▶ One year performance warranty

- ◀ More durable design
- ◀ Lower operating costs
- ◀ Easier to service and maintain
- ◀ Factory tested for proven performance



# Titan

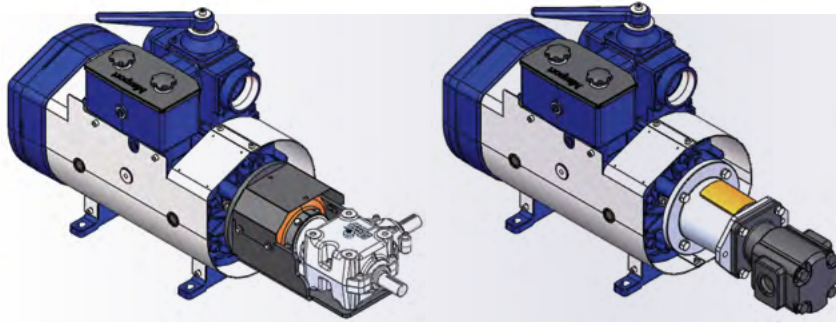
Retrofit pump conversion for NVE packages up to 407 CFM displacement



BUILT FOR THE HARD WORKING PUMPER

## Step by step instructions for retrofitting Masport Titan pump to NVE Challenger pump package

1

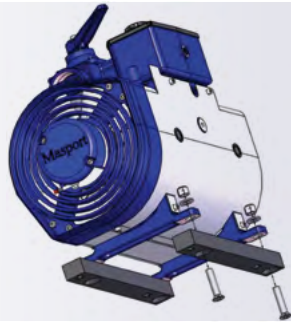


Install on the pump the suitable drive (Hydraulic or Gearbox) for your application. It is easier to pre-assemble the drive onto the pump prior to installation.

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Secure the spacers to the pump feet with the countersunk bolts provided. Ensure that the straight mounting holes are offset forward of the mounting feet (i.e. towards the fan). Slide the spacers towards the outermost end of the slots in the feet before tightening the hardware.

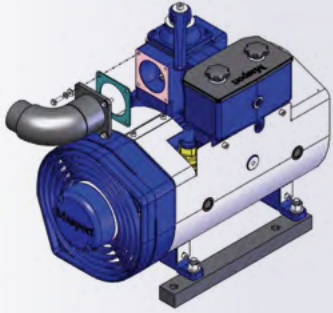


Remove both threaded flanges from the pump's valve.

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Install the longer of the two elbow fittings and gasket to the front of the pumps valve (i.e. fan end of the pump) with the elbow facing left.

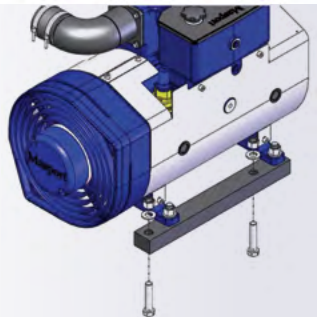


Install the shorter elbow fitting and the other gasket to the back of the valve with the elbow facing right.

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Use the remaining 5/8" hardware to secure the pump spacer to the pump base.

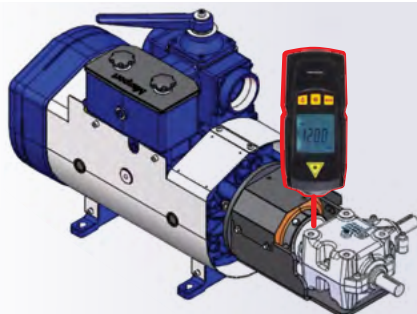


Slide the hose clamps provided over the inlet and outlet hoses and connect the hoses to the pump and the systems scrubber and separator. Tighten the clamps to secure the hoses.

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Connect the drive setup and set the pump to run at 1,200 RPM. The RPM should be measured at the pump shaft to ensure the proper RPM is met.



Set the vacuum relief valve on the pump to a maximum of 22" Hg. Subtract 1" Hg for every 1,000' of elevation that the pump will be operating above sea level.

9

