

# TNP PUMP RANGE

ANSI MAG DRIVE, **NON-METALLIC**, CENTRIFUGAL PUMPS



 ANSI STANDARD DIMENSIONS

 ETFE LINED MAG-DRIVE PUMPS

 CAPACITY <math>< 159\text{m}^3/\text{hr}</math>

 HEAD <math>< 101</math> Metres

 UK EX-STOCK AVAILABILITY

Part of the  
**MAGNETIC DRIVE**  
Pump Range



## TNP OVERVIEW

When you need a chemical pump conforming to ANSI specifications, with quick deliveries and reasonable pricing, Crest Pumps can exclusively offer you the USA made Truflo TNP ANSI mag drive non-metallic pump range.

When you need to replace an ANSI mag drive pump and don't want the time and cost hassle of changing pipework to fit an ISO pump, The TNP series of non-metallic ETFE lined magnetically driven sealless pumps are available from stock in the UK and can be a far more cost-effective solution.

Capable of flowrates up to  $159\text{m}^3/\text{hr}$  and heads to 101m. With temperature ranges from  $-85^\circ\text{C}$  to  $+121^\circ\text{C}$ , these ANSI mag drive interchangeable pumps will help you to minimise downtime and keep your process plant running effectively. The TNP range incorporates a ductile iron casing that is lined with a fluoropolymer. This combination of materials allow for the mechanical strength of metal with the corrosion resistance of a non-metallic lining. The TNP designs use a non-rotating shaft that allows for ease and maintenance and improved performance over standard rotating shaft designs.

The rear containment shell, with its dual laminate of a fluoropolymer is then reinforced with a vinyl ester composite for high burst pressure resistance. The unique, no-weld impeller design has eliminated the weld associated with other designs and thus allows for a more chemical impervious barrier. The outer magnetic assemblies are designed for protection against corrosive environments.

The TNP range design provides sealless operation and chemical containment. The rare earth magnets allow for superior no-slip performance. All wetted parts are made from ETFE fluoropolymers to handle a wide range of corrosive fluids and solvents.

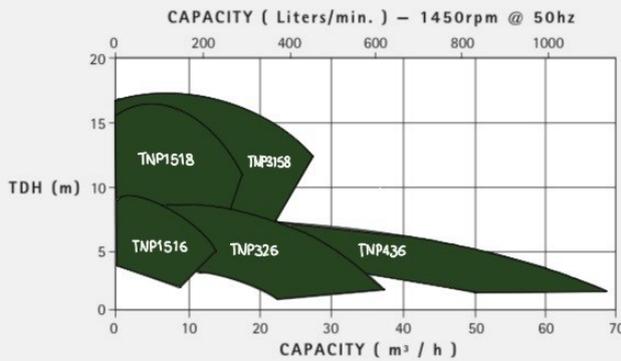
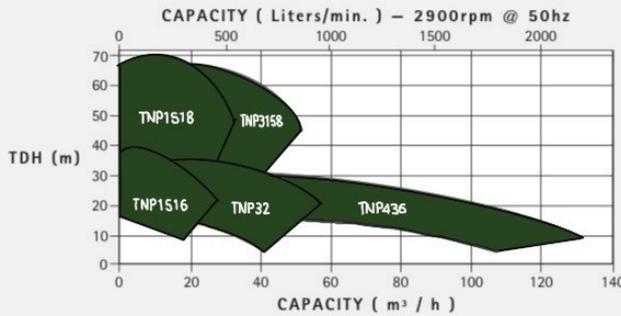
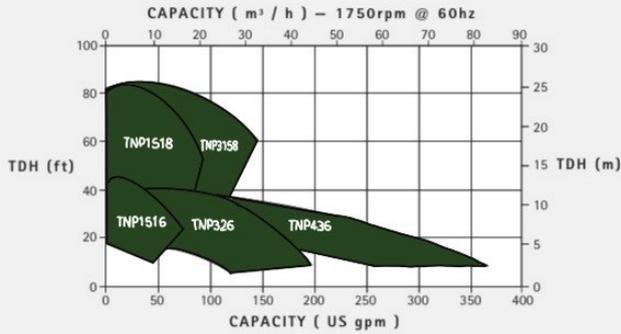
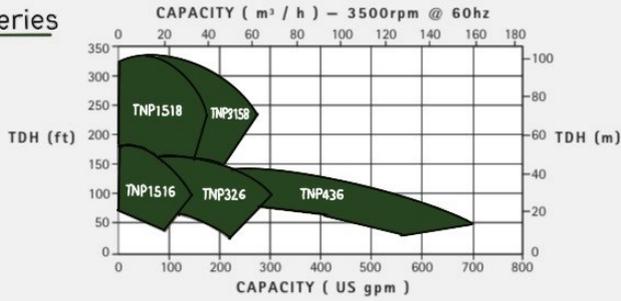


Scan here for more information  
or a quotation.

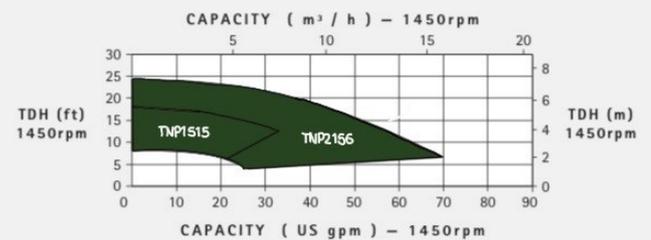
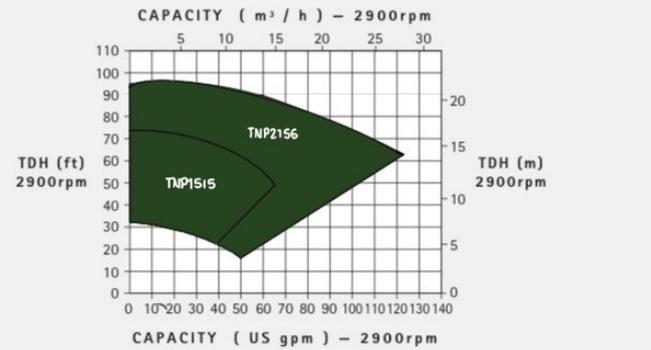
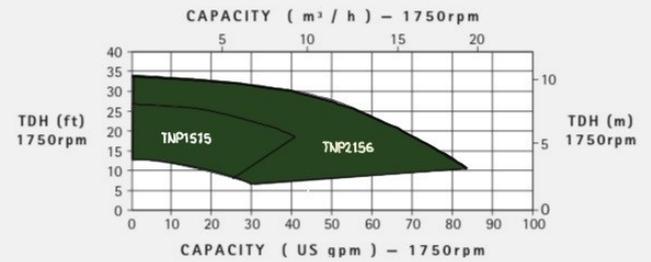
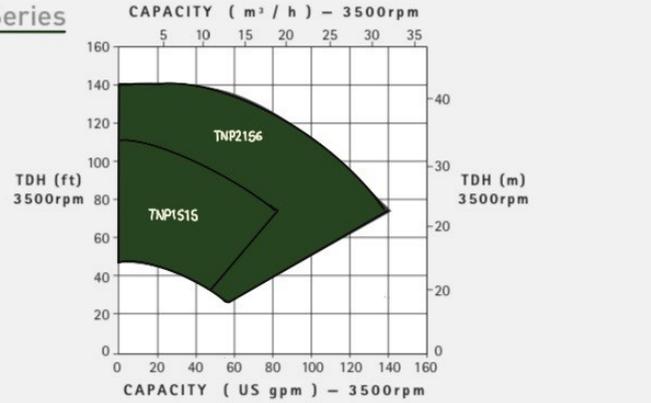
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ANSI MAG DRIVE, **NON-METALLIC**, CENTRIFUGAL PUMPS

## TNP<sup>m</sup> Series



## TNP<sup>s</sup> Series



These diagrams are for reference only and subject to change without prior notice. Please consult factory for exact performance curves.

0911



Scan here for more information or a quotation.



**TRUFLO**  
QUALITY • VALUE • SERVICE

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## EXPLODED VIEW



### TNP m Series

### TNP s Series

- 1 Drain** - Our casing drain is a standard feature that allows for easy and safe removal of chemicals in the casing if required.
- 2 Casing** - The top discharge ANSI configurations allows for maximum pump interchangeability. Our unique ETFE Roto-Molding process promotes equal delivery of liner material throughout casing for improved corrosion resistance and longer life.
- 3 Shaft Support** - One Piece construction that is easily removed.
- 4 Mouth Ring** - Easily removable for quick field replacement. The unique design allows for handling of a variety of chemicals and specific heat parameter. Available in SiC.
- 5 Impeller / Inner Magnet** - Our unique ETFE injection molding process allows us to ensure high quality, stronger, and more chemically resistant impellers. Our process has eliminated welding that can contribute to premature impeller failure.
- 6 Main Bushing** - Our large, one - piece, high performance bushing is grooved to allow for field and particle flow through the pump.
- 7 Shaft** - This non - rotating design allows for ease and installation and maintenance. This shaft is oversized to handle a variety of pump requirements.
- 8 O-Ring** - Available in VITON Teflon Encapsulated VITON or EPDM.
- 9 Rear Containment Shell** - Our shell is an injection-molded fluoropolymer with a composite encapsulation. This design offers some of the industries strongest containment shell burst pressure resistance.
- 10 Rear Casing Support**
- 11 Outer Magnet** - Our rare earth magnets make it possible to run the pump at rated torque throughout the temperature range without having to use special motors or starters. Our magnets are fully encapsulated for superior protection from corrosion.
- 12 Bracket** - Designed to mate with several motor sizes. In a close - coupled configuration, the driver will accept either a NEMA C-face or an IEC motor.