



# GOULDS PUMPS

**CHEMBASE™** **Polymer Concrete Baseplate**  
*PLUS*



**LENNTECH**

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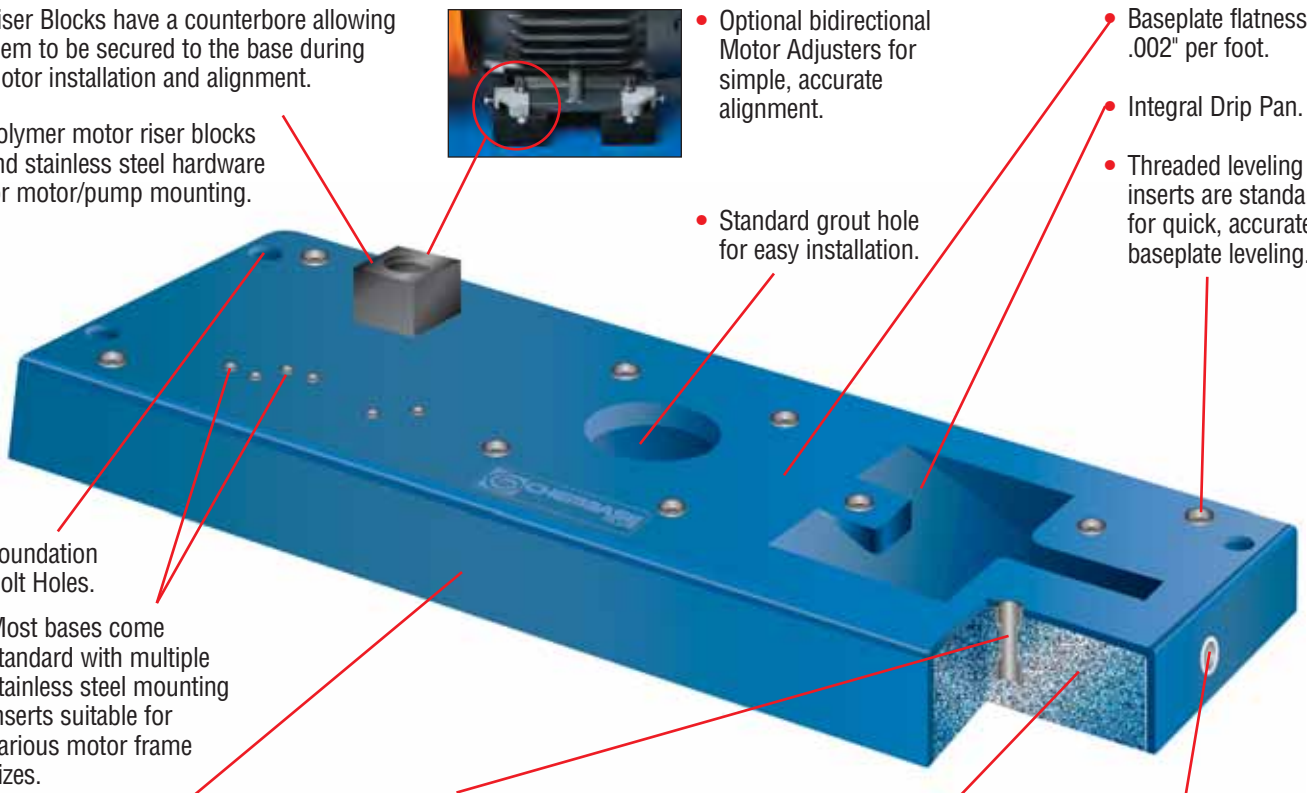
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Goulds Pumps



**ITT Industries**

*Engineered for life*

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- Riser Blocks have a counterbore allowing them to be secured to the base during motor installation and alignment.
  - Polymer motor riser blocks and stainless steel hardware for motor/pump mounting.
  - Foundation Bolt Holes.
  - Most bases come standard with multiple stainless steel mounting inserts suitable for various motor frame sizes.
  - Materials of Construction:
    - Zanite (Blue)
    - Novalac (Red)
  - All pump and motor inserts are Stainless steel for excellent corrosion resistance and durability. (Hast C available as option.)
  - Bases are made of a proprietary formula which combines Epoxy resins with quartz aggregate for exceptional strength, and corrosion resistance **through and through**.
  - Standard 3/4" CPVC drain connection.
  - Optional bidirectional Motor Adjusters for simple, accurate alignment.
  - Standard grout hole for easy installation.
  - Baseplate flatness .002" per foot.
  - Integral Drip Pan.
  - Threaded leveling inserts are standard for quick, accurate baseplate leveling.

### The ChemBase Plus™ Advantage

- Flat mounting surfaces to .002 inch per foot for easy, accurate alignment.
- High strength proprietary material bonding process ensures highest strength and rigidity of any polymer baseplate on the market today.
- Superior resistance to twisting and diaphragming.
- Corrosion resistant to most chemicals.
- Low risk, low cost installation as it eliminates problems caused by improper grouting.
- Most bases supplied standard with multiple inserts for various motor frame sizes.
- ASME/ANSI-1991 dimensionally compliant.
- Integral drip pan with 3/4 inch CPVC drain connection.
- Very low maintenance.

### Before you buy any baseplate, consider the total installed costs

Reducing overall equipment costs today means looking farther than just the initial capital investment. It means understanding the relationship with the other disciplines in the plant and buying the most cost effective solution.

ChemBase Plus™ is just that – a cost effective, simple and reliable way to get the most out of your pumping equipment. Compare what it costs to install a typical baseplate versus a ChemBase Plus™.

Installed Cost Comparison						
3196 STX	Baseplate	Foundation Concrete	First Pour Epoxy Grout	Second Pour Epoxy Grout	Installation Labor	Total
CI or FS Base	409	290	72	212	4120	5103
<b>Polymer Concrete Base</b>	<b>663</b>	<b>290</b>	<b>72</b>	<b>---</b>	<b>2760</b>	<b>3785</b>
PIP Style Base	2798	290	72	212	4120	7492
Epoxy Filled Metal Base	2548	290	72	---	2760	5670



## Goolds ChemBase Plus™ - The Logical Alternative!

Most chemical pumps today run on corrosive services or in highly corrosive environments. When considering the purchase of a new pump don't overlook the most important item - the baseplate! Without a solid, easy to install, corrosion resistant baseplate you increase the risk of problems on site as well as increase your overall costs!

Goolds ChemBase Plus™ baseplates are made from state of the art polymers, which offer exceptional flatness, vibration damping, corrosion resistance and rigidity at

### More Mass...

Being 30% - 50% heavier than conventional steel baseplates, the ChemBase Plus™ will help reduce vibration, resulting in longer seal and bearing life, as well as lower maintenance costs.

### Quickest Installation Time

Short plant turn-arounds are no problem with ChemBase Plus™. You can be up and running in **24 hours!**

### Rigidity

Zanite is a specially formulated Epoxy based Polymer resin which gives the ChemBase Plus™ its enhanced strength and rigidity.

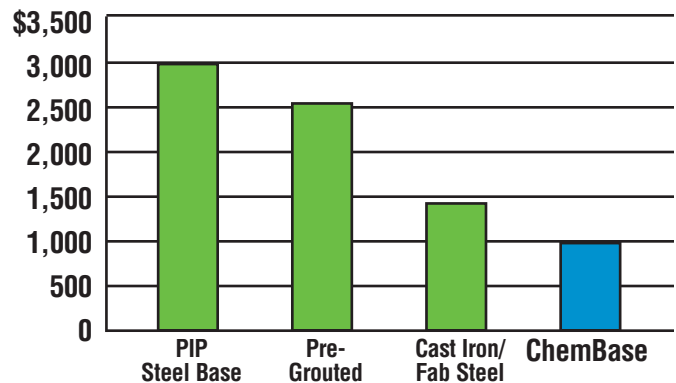
In testing, the ChemBase Plus™ outperformed other conventional polymer baseplates. In fact, the ChemBase Plus™ tested as rigid as a PIP baseplate. When it comes to strength and rigidity - the ChemBase Plus™ beats them all hands down!

a fraction of the cost of a steel base. The ChemBase Plus™ can save you over 50% compared to a conventional steel baseplate with similar features and special surface preparation - and even more if you use stainless steel! The ChemBase Plus™ significantly reduces the chance of having problems with installation due to twisting or diaphragming and requires less grout and cure time than conventional steel baseplates.

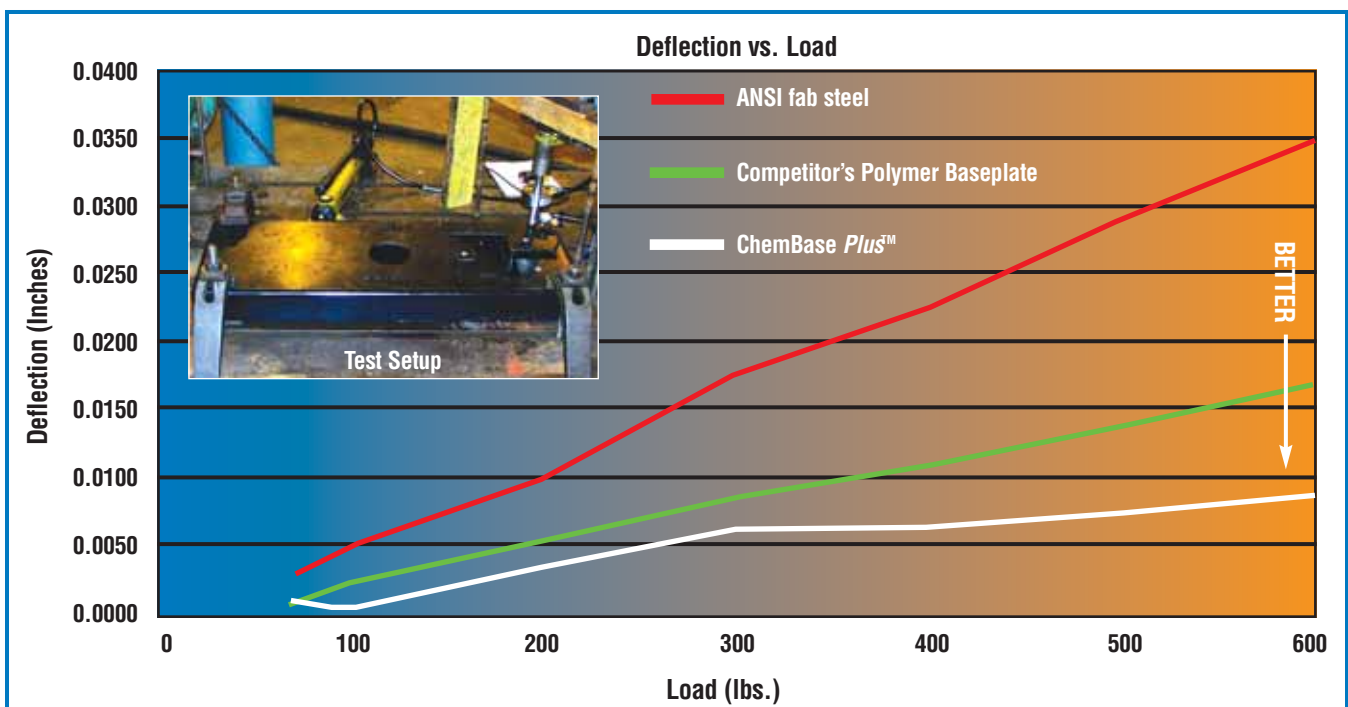
Goolds ChemBase Plus™ has your application covered!

### Significantly Less Capital Costs

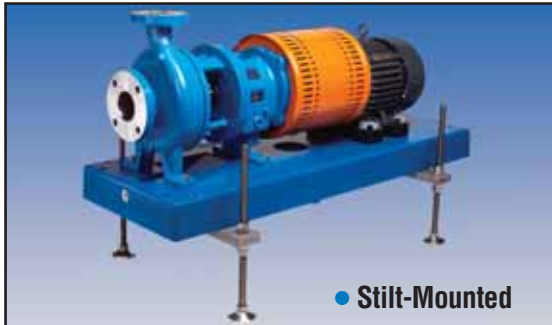
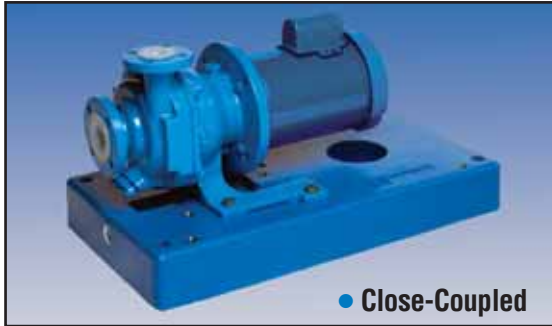
Because of its high strength and highly corrosion resistant design, the ChemBase Plus™ saves you money on preparation, installation and maintenance compared to conventional steel bases with comparable features.



Comparative costs include baseplate, 316SS drip pan, sandblast and 2-part epoxy system which would yield a product with similar properties as the ChemBase Plus.



# Optional Configurations



## Chemical Resistance

Available in both Zanite and Novolac, the ChemBase *Plus*™ offers superior chemical resistance to many aggressive acids, alkalines and organic solvents up to 250°F (121°C).

ACIDS	ALKALINES	SOLVENTS, CHEMICALS
1-50% Acetic	1-100% Sodium Hydroxide	Acetone
1-10% Chromic	1-20% Ammonium Hydroxide	Acetaldehyde
1-100% Hydrochloric	1-50% Potassium Hydroxide	Acetonitrile
1-50% Nitric	1-15% Sodium Cyanide	Acrylonitrile
1-85% Phosphoric	1-9% Sodium Hypochlorite	Ethyl Acetate
1-98% Sulfuric	1-30% Hydrogen Peroxide	Butyl Acetate
	Copper Cyanide Plating	Methyl Ethyl Ketone
	Barium Hydroxide	Methylene Chloride
	Cadmium Cyanide Plating	Cyclohexane
	Black & Green Pulp Liquor	Formaldehyde
		Kerosene or Jet Fuel

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