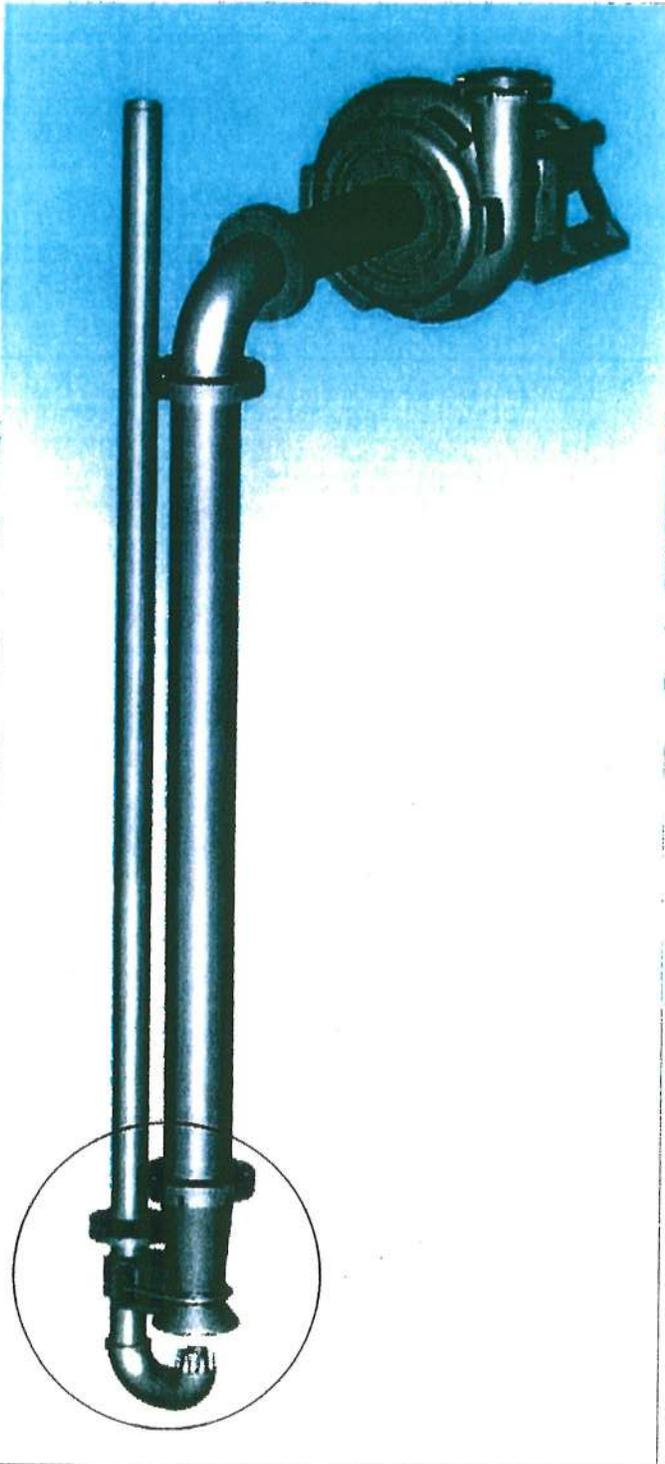


# Priming Inductors



## Purpose:

The Nagle Priming Inductor offers a unique positive pressure method for the priming of centrifugal pumps which are located above the liquid level. This device can be used on any application including abrasive and corrosive and for priming pumps of any manufacture.

## Operation:

The Priming Inductor is a fluid driven jet pump which has been specially adapted for use on the entrance to a pump suction pipe. The inductor primes the pump by injecting an externally pressurized jet of fluid (usually service water) through the entrance throat of the inductor body to fill the suction pipe and pump with fluid after which pumping can be initiated.

## Benefits:

- ◆ Positive, fast and certain priming every time
- ◆ Unaffected by air or fluid leaks in the system
- ◆ Priming is completed in just a few seconds
- ◆ Easily automated startup sequence
- ◆ Primes even if suction is buried in packed solids
- ◆ Augments feeding of high density slugs of solids
- ◆ Avoids priming problems with aerated sump fluid
- ◆ Specially designed for abrasive applications
- ◆ No moving parts
- ◆ Prevents premature loss of prime due to fluid aeration, solids slugs or high lifts when used with a pressure sensor in the pump discharge line to reactivate the inductor service water

## Installation:

- ◆ The pump or discharge must be open or vented to permit the escape of entrapped air from the pump.
- ◆ A valve is required in the service water line to initiate and terminate flow to the inductor nozzle.
- ◆ See selection data for priming lift capabilities and required service water pressure and flow.

## Sizes Available:

2 inch through 12 inch - Other sizes will be considered

## Inductor Material Options:

- ◆ Cast Iron
- ◆ 28% Chromium hard Iron
- ◆ 316 Stainless Steel
- ◆ CD4MCu
- ◆ Alloy 20
- ◆ High nickel alloys

Nagle Pumps manufactures vertical cantilever, vertical submerged bearing, horizontal and submersible pumps and accessories for abrasive, corrosive, elevated temperature and hazardous fluid handling applications.

See our Website for the representative in your area or contact Nagle Pumps directly.



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