



CRANE®

Deming Dry-Pit Non-Clog Pumps

CRANE®

PUMPS & SYSTEMS

- Overview
- Features/Advantages/Benefits
- Applications
- Sales & Marketing Tools
- Key Takeaways

Deming Dry Pit Non-Clog Pump Overview

Everyone. Everywhere. On Time Every Time.

Deming 7100 Series

- Capacities to 5,000 GPM
- Heads to 240 Ft
- 1-1/2" thru 4" solids
- 2" thru 8" discharge
- Horizontal & Vertical models



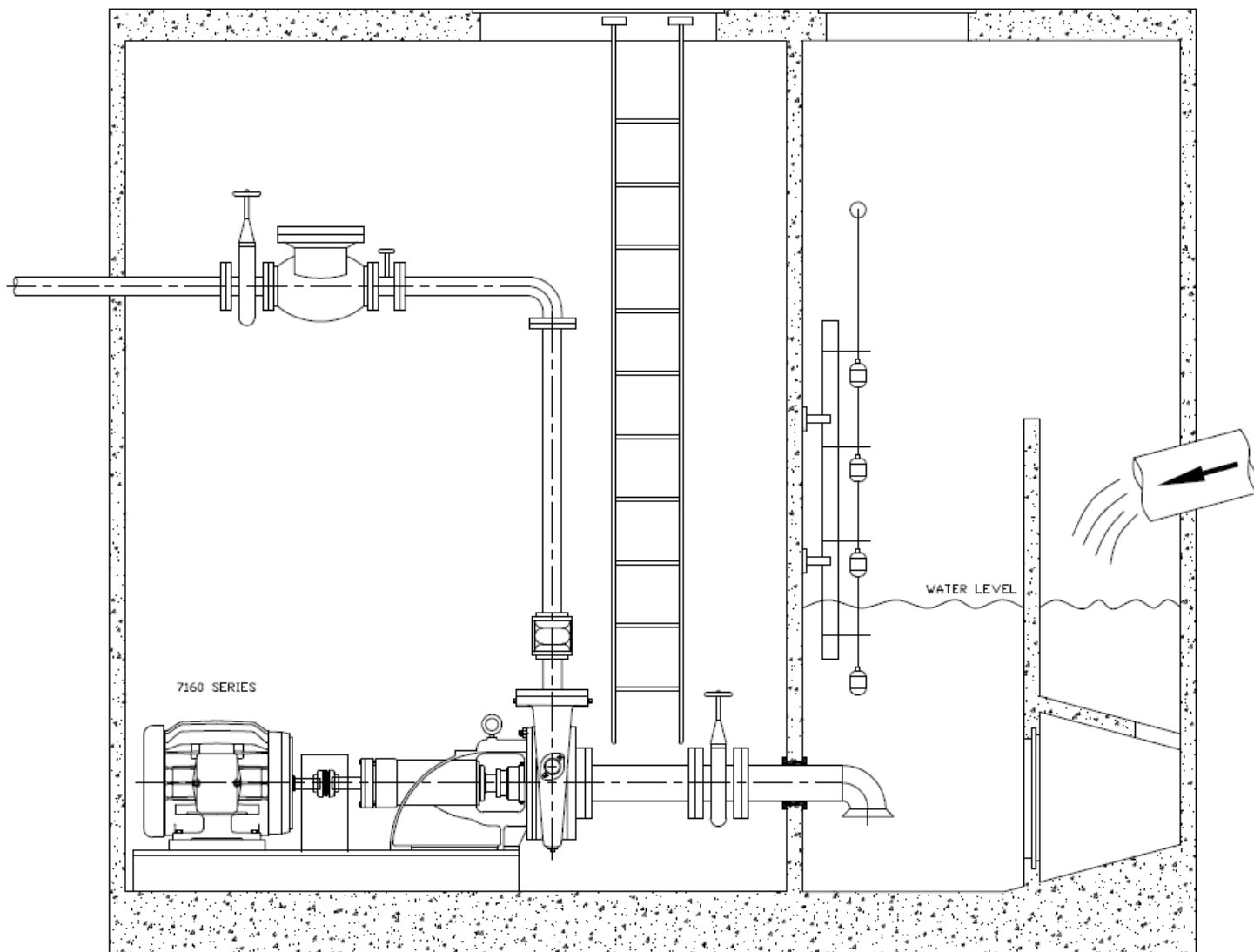
Everyone. Everywhere. On Time Every Time.

Model 7160

- Horizontally mounted on a fabricated-steel baseplate with driver flexibly coupled to the pump.
- Good for space constraints!
- Heavy Duty & Durable



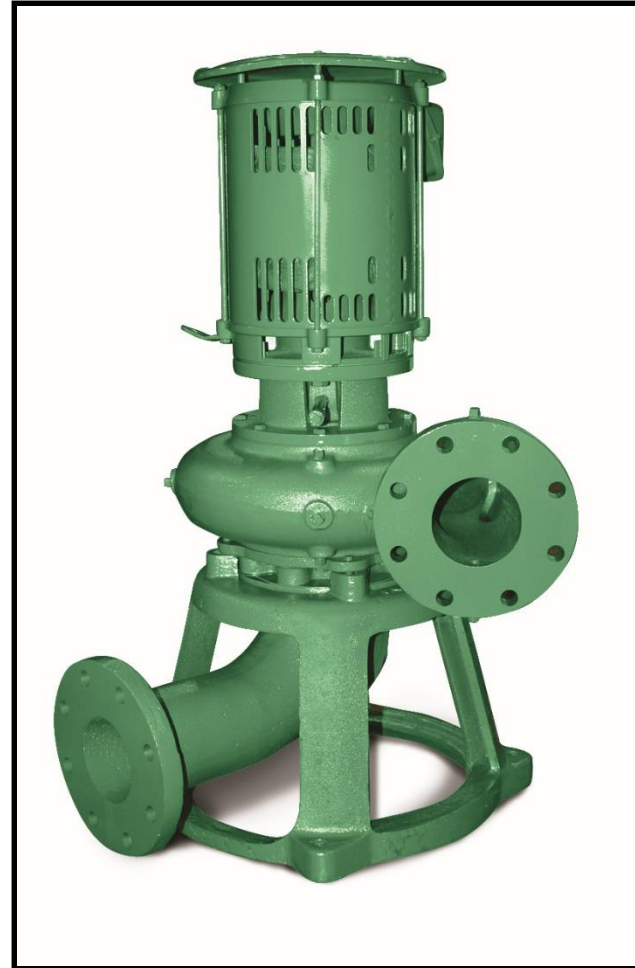
Everyone. Everywhere. On Time Every Time.

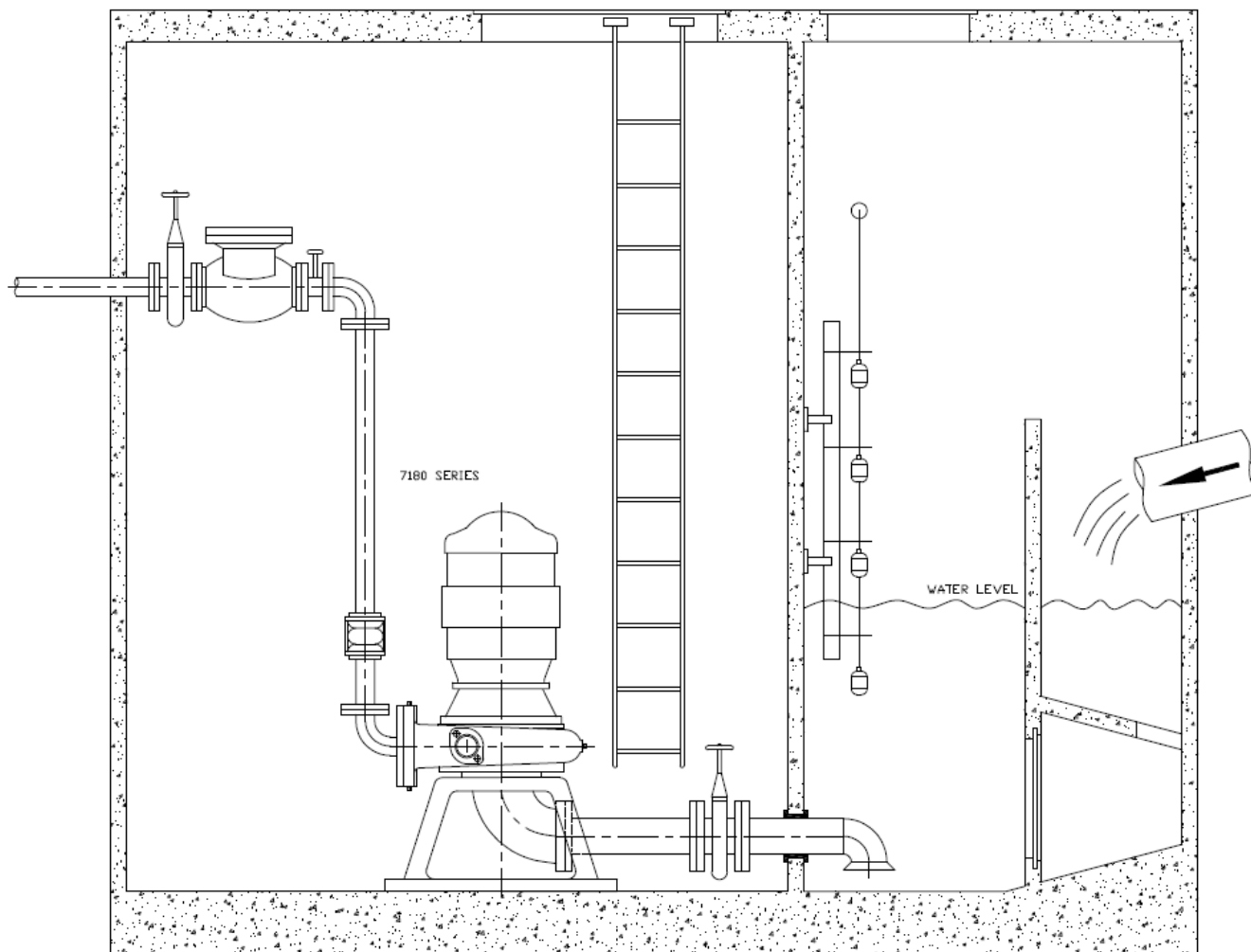


Typical
installation of
a 7160
horizontal
frame mount
Deming Dry
Pit Pump

Model 7180

- Vertically mounted
- Driven by a standard vertical NEMA JM frame motor
- Mounted on a sturdy motor pedestal and directly coupled to the impeller
- Non Submersible Motor currently-Baldor, Nidec, Etc.





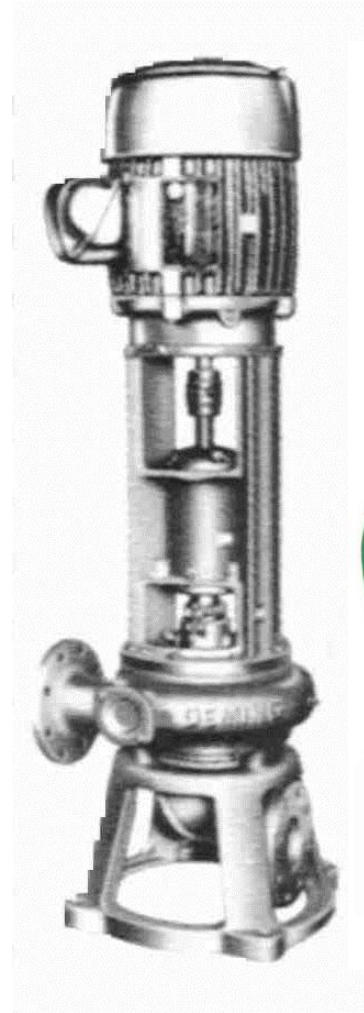
Typical
installation of a
7180 vertical
close coupled
Deming Dry Pit
Pump

Model 7190

Everyone. Everywhere. On Time Every Time.

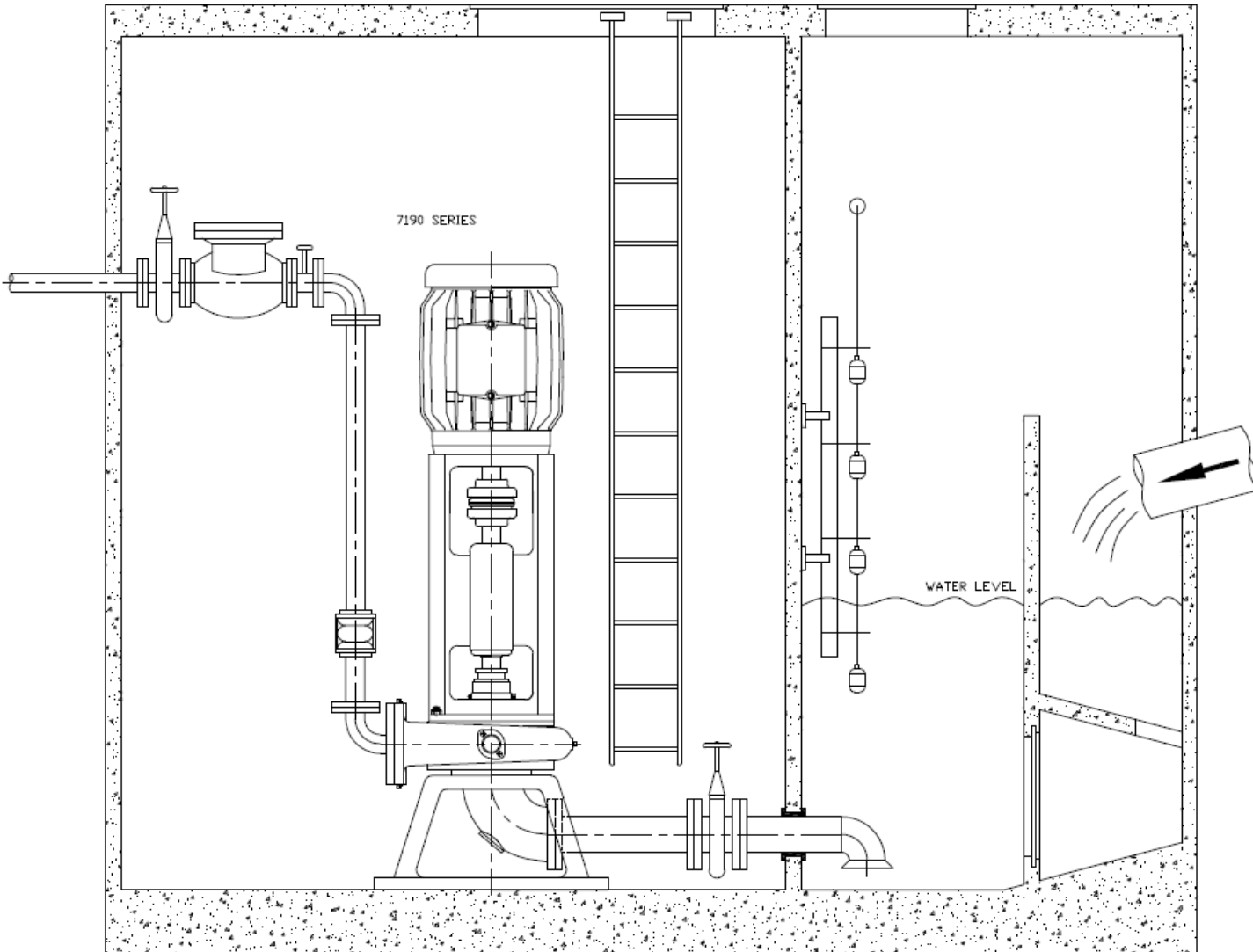
Model 7190

- Vertically mounted
- Driven by a standard vertical NEMA C-flange motor
- Mounted on a sturdy motor pedestal and directly coupled to the pump shaft with a flexible shaft coupling
- Very small footprint, can have higher HP motors-Non Submersible



Model 7190

Typical installation of a 7190 Vertical Frame Mount Deming Dry Pit Pump



Standard Features:

- All iron pump construction
- 416 SS shaft sleeve
- Pump-out vanes on back of Impeller
- External impeller adjustment
- Re grease-able bearings
- Double-row outboard thrust bearing
- Choice of rotation – the volute can be moved or flipped
- The liquid end is the same no matter the mounting style
- Back pull-out design
- Positive machine-registered fit design
- Suction elbow w/hand hole cleanout (vertical units)
- Hand hole cleanout in casing



Optional Features:

- Bronze fitted impeller
- 316 SS, 440C hardened stainless sleeves
- Oil-lube bearings on horizontal (7160 Models only)
- Discharge position options available
- Wear rings for impeller & casing of cast iron and bronze, 316 SS or CA-15
- Mechanical seals in lieu of packing
- OSHA type coupling guard
- Mechanical seal lubricator & filter assembly



Design Features

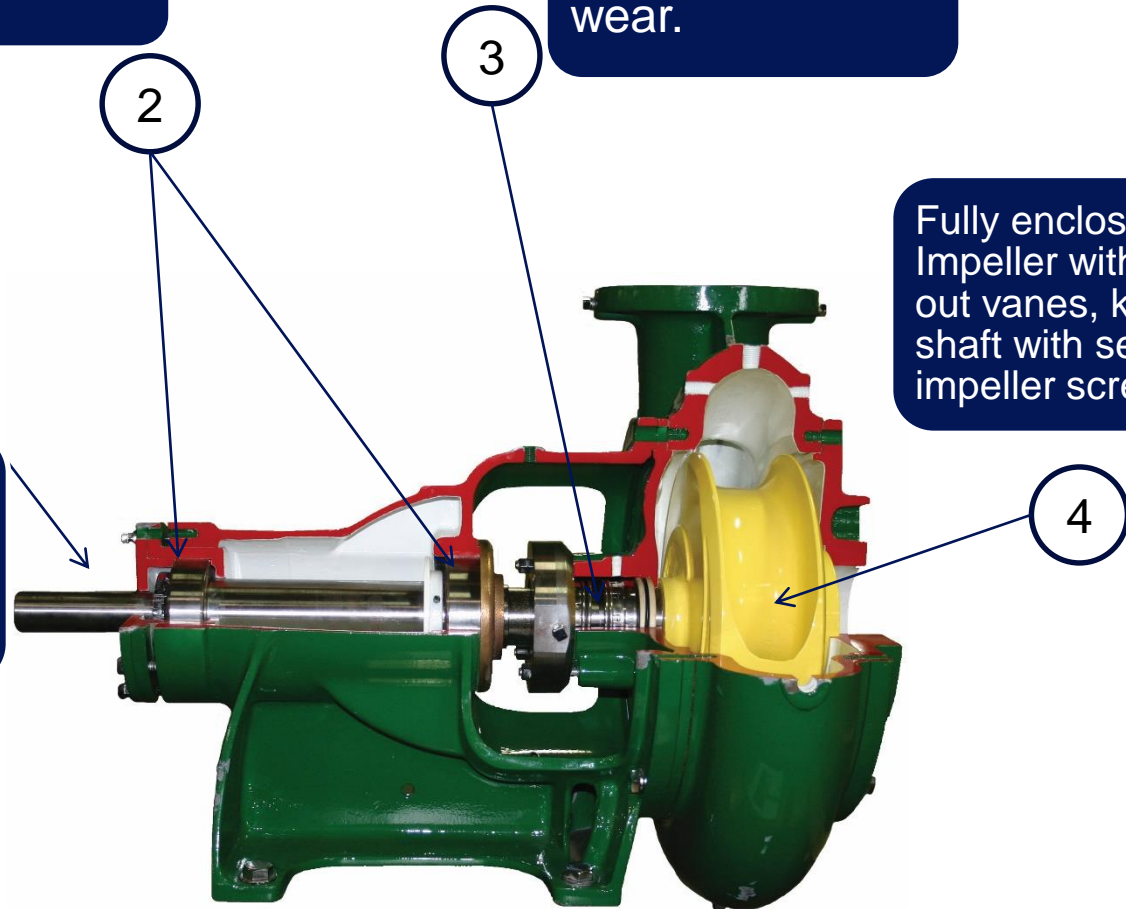
Everyone. Everywhere. On Time Every Time.

Double row outboard thrust bearing & inboard radial bearing.

Shaft sleeve for corrosion and wear.

Fully enclosed Impeller with pump-out vanes, keyed to shaft with self-locking impeller screw.

Optimum diameter shaft & bearing span for maximum loads & minimal deflection.



Design Features

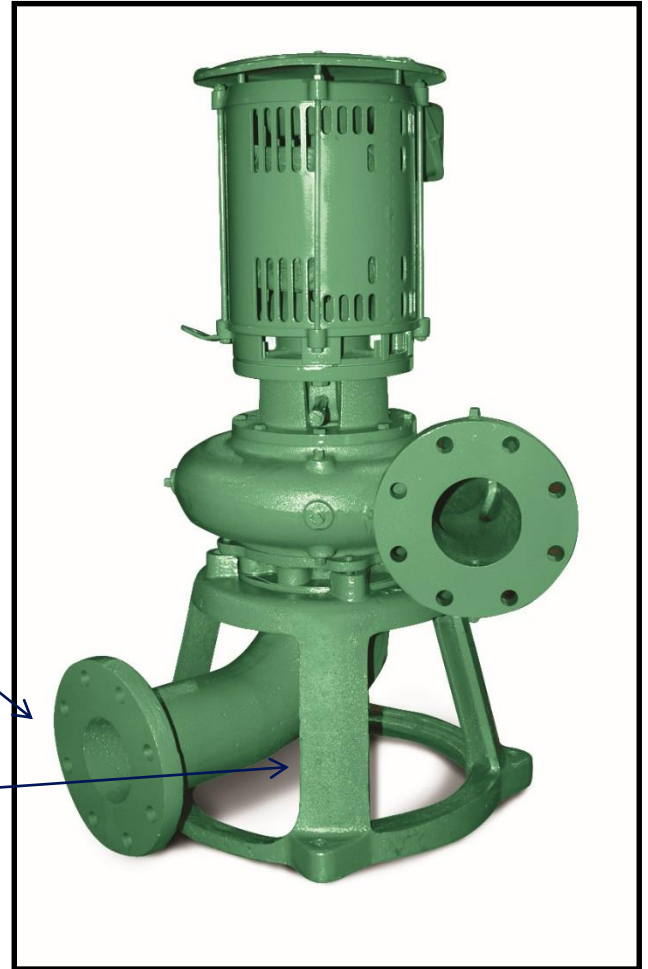
Everyone. Everywhere. On Time Every Time.

Suction elbow is standard 125lb ANSI flange included on vertical pumps.

5

Cast iron base supports vertically mounted units. Steel base plates are available, including drip-lip type for horizontal units.

6



Design Features

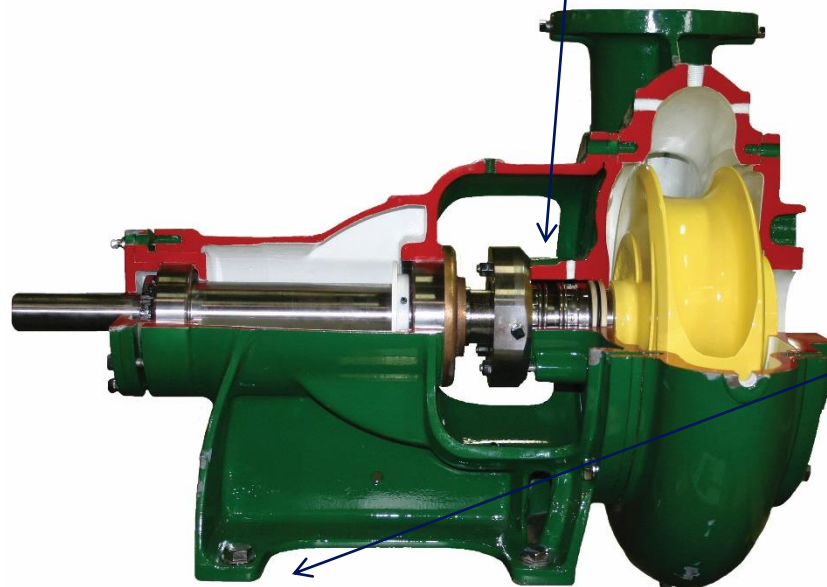
Everyone. Everywhere. On Time Every Time.

Standard extra deep stuffing box, accepts five rings of packing and lantern ring (shown with double mechanical seal in lieu of stuffing box).

Optional double mechanical seal, Type 1

- Buna-N/Carbon/SS spring/Ceramic/SS spring
- Buna-n/Carbon/SS spring/Ni-resist/SS spring
- Buna-n/Tungsten Carbide/SS spring/Tungsten Carbide/SS Spring

We also offer a Durametallic as an option-Very expensive



High-strength cast iron frame, precision bored with registered fits.

Typical Applications

Everyone. Everywhere. On Time Every Time.

Pumping
Sanitary
Wastes

Treatment
Wastes

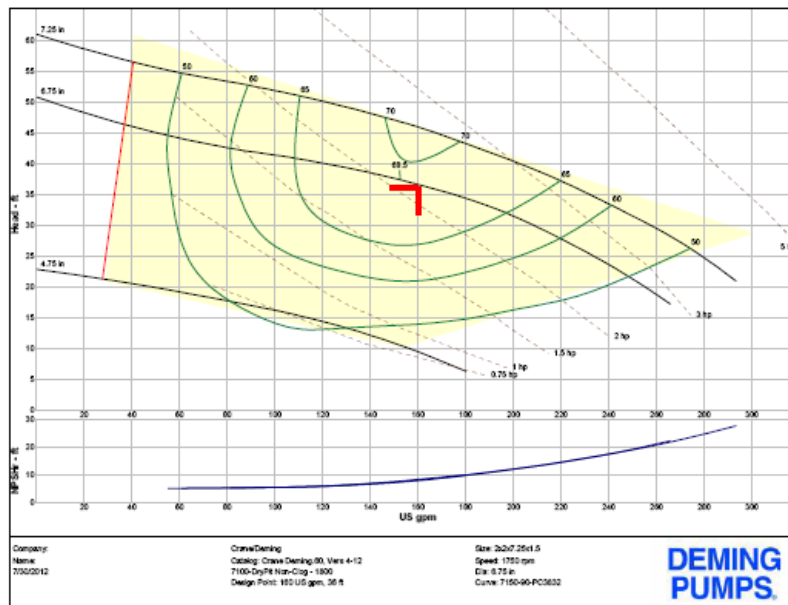
Storm Water

Process
Wastes

Pollution
Control



- Marketing Brochure
- Catalog Info
- Specifications
- Mentor Pump Selection



DEMING
brands you trust.

7100 Dry Pit Solids Handling Sewage Pumps

Deming 7100 Series offers an expanded line of solids-handling centrifugal pumps for mounting in a (horizontal or vertical position) handling 3" spheres. Compact design and heavy shaft with optimum bearing span assure longer packing and bearing life with lower maintenance costs. Series 7100 pumps provide the outstanding performance required to meet the widest possible range of service conditions encountered by industry and municipalities. Typical applications include pumping sanitary wastes, industrial wastes, treatment wastes, storm water, process wastes, pollution control, cannery wastes and meat-process wastes.

Model 7100

Model 7150

Model 7170

Not Shown:
 Model 7150
 Model 7170

- Model 7100 is vertically mounted, driven by a vertical motor or by a horizontal motor on engine drive with a right-angle drive and carrying a universal joint-type flexible shaft between the pump and the driver.
- Model 7150 is horizontally mounted on a fabricated steel baseplate with direct flexible coupling to the pump.
- Model 7170 is a vertically mounted unit driven by a standard vertical NEMA or flange motor, mounted on a sturdy motor pedestal and directly coupled to the pump shaft with a flexible shaft coupling.
- Model 7170 is horizontally mounted and close coupled to a NEMA motor.
- Model 7170 is vertically mounted and close coupled to a NEMA motor.

CRANE PUMPS & SYSTEMS

DEMING 7100 SERIES

Key Takeaways

Everyone. Everywhere. On Time Every Time.

- Deming 7100 Series offers an expanded line of models in a horizontal or vertical position.
- Solid handling up to 4".
- Compact design & very durable!
- High capacities and high heads to meet the widest possible range of service conditions.



Q&A



Thank You!