

**CROWN PUMPS**

**The Wave Of The Future.**



**SERVING  
MUNICIPAL • AGRICULTURAL • INDUSTRIAL  
AND CORROSIVE WATER MARKETS  
AROUND THE WORLD**



**CLASSIFIED  
2P66  
PUMPS**

**CLASSIFIED TO  
ANSI/NSF 61 - 1995**

**CROWN PUMP CORPORATION  
101 W. BIVAR, DE LEON, TEXAS 76444 (817) 893-5700**

# CROWN PUMPS

## PERFORMANCE CHARACTERISTICS

PUMP DIAMETER	CAPACITY RANGE 3500 RPM	CAPACITY RANGE 1800 RPM	MINIMUM WELL SIZE	HORSEPOWER RANGE*	MAX STAGES*	HEADS TO*
5"	40 - 300 GPM	20 - 150 GPM	6"	1 1/2 THRU 60 HP.	36	1500'
5-1/2"	40 - 440 GPM	25 - 220 GPM	6"	1 1/2 THRU 125 HP.	25	1500'
6"	100 - 400 GPM	50 - 200 GPM	7"	5 THRU 150 HP.	25	1500'
7"	200 - 700 GPM	100 - 350 GPM	8"	7 1/2 THRU 150 HP.	16	1500'
8"	400 - 800 GPM	200 - 400 GPM	10"	10 THRU 200 HP.	8	1000'
8H	800 - 1300 GPM	400 - 650 GPM	10"	15 THRU 250 HP.	8	900'
9L	800 - 1300 GPM	400 - 650 GPM	10"	20 THRU 250 HP.	7	900'
10L	1300 - 2500 GPM	650 - 1250 GPM	12"	40 THRU 250 HP.	5	750'

\* FOR HIGHER HEADS AND LARGER HP, CONSULT FACTORY

### ———— MATERIALS OF CONSTRUCTION ————

**STANDARD CONSTRUCTION** - Cast iron bowls; lead free bronze impellers; stainless steel shaft, collets, screen, and cableguard; rubber bearings.

**NI-RESIST CONSTRUCTION** - Ni-resist bowls; ni-resist or lead free bronze impellers; stainless steel shaft, collets, screen, and cableguard; rubber bearings.

**BRONZE CONSTRUCTION** - Lead and zinc free bronze bowls; bronze impellers; stainless steel shaft, collets, screen, and cableguard; rubber bearings.

**STAINLESS CONSTRUCTION** - 316 Stainless steel bowls; impellers, shaft, collets, screen, and cableguard; rubber bearings.

SPECIAL BEARING MATERIALS ARE AVAILABLE

### ———— CHECK VALVES ————

Crown Pump also manufactures check valves in 3", 4", 5", and 6" sizes in all of the above materials. All poppets, stems, and springs are stainless steel and feature positive shut-off. Valves are rated at 425 PSI. All valves are on the shelf, available for immediate shipment.

# CROWN PUMPS

## SUBMERSIBLE AND VERTICAL TURBINE

### TOP UPTHRUST PLUG\* (Submersibles Only)

\*Optional: Restricts excessive vertical upthrust on pump shaft during start-up imposed by hydraulically or by positive suction pressures.

### INTERMEDIATE BOWLS

Extra heavy wall high density castings, hydraulically designed with smooth water passages for optimum performance and maximum efficiency. Diffuser vanes to guide and direct water flow, cutless rubber bearings for long life and resistance to abrasion.

### MOTOR ADAPTER

(Submersibles Only)

Heavy duty, rigidly constructed sturdy casting hydraulically designed to minimize entrance losses. Enclosed coupling area restricts entrance of abrasive materials and protects motor coupling and seal. Long cutless rubber bearing to assure precise shaft alignment.

### MOTOR COUPLING

(Submersibles Only)

Large stainless coupling accurately machined for perfect alignment, balance, and power transmission. Locked to shaft with stainless key, and allen screw to prevent loss.



### DISCHARGE MANIFOLD

Heavy duty thick casting with smooth water passages for maximum efficiency. Extra heavy bearing housing with cutless rubber bearing for durability, dependability, and positive shaft alignment.

### IMPELLER COLLETS

Stainless steel tapered wedge to match impeller bore. Split to simplify assembly and disassembly and provide a positive lock.

### IMPELLERS

Enclosed impellers are precision cast, machined, hand filed, and balanced for maximum efficiency and vibration free operation. Trims available for custom design to fit customers hydraulic requirements.

### PUMP SHAFT

Polished, ground, and precision straightened for long pump life. Over sized shaft assures trouble free operation and increases rigidity of bowl unit. High strength, corrosion resistant, stainless steel.

### PUMP SHAFT BEARINGS

Cutless rubber bearings are standard, lending resistance to sand abrasion wear on shaft bearing surface while providing maximum support. Fluted for lubrication, long life. Special bearing materials are available.



DRINKING WATER SYSTEM COMPONENTS

CLASSIFIED BY

UNDERWRITERS LABORATORIES, INC.

IN ACCORDANCE WITH

STANDARD ANSI/NSF 61 - 1995

2P66

CROWN PUMP CORPORATION

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## THE CROWN PUMP STORY

Crown Pump Corporation has built its business on a reputation for quality and service in the pump business. This striving for quality, and a desire to answer industry's demands have been the hallmarks of the firm since its beginnings.

The owner of Crown Pump, Mr. Ardean Kimmell, founded the Company on service and reaction to customer need. This underlying philosophy of all Crown activity is still the same today. As a privately held company, reaction time is fast and management decisions can be made without first referring to boards or committees. This helps to bring the customer the product he wants with minimum delay. This is the same philosophy which, from a beginning with one small 5" pump, has led to a complete line of large submersibles for the industry.

Our modern manufacturing facility is located in Central Texas and the company plot provides room for expansion. We have a network of highly capable distributors and dealers throughout the United States, and around the world.

Crown Pump Corporation has state of the art production machinery that consists of Cincinnati Milacron and Mori Seiki CNC Design machines. Each part manufactured undergoes extensive quality control. All impellers are balanced before being placed in finished inventory. When the pump is assembled, it is mounted to a Franklin Electric test motor and tested in our pit. Our test operator checks to be sure that the head and capacity conditions meet our published curves. He records all the data from our Halliburton Test Equipment and checks for proper operation before shipping.

Crown Pump supplies pumps to dealers and distributors for municipal and industrial applications as well as the irrigation industry. We also supply corrosion resistant pumps for special applications. Our pumps are available in the special materials needed such as lead-free Bronze, 316 Stainless and Ni-Resist.

Crown Pump is very proud of the fact that we are noted for our next day shipment, and that we have a complete stock of pumps, motors, panels, check valves and cable. Our staff of experts will bring years of pump, motor and control experience in filling your needs. All of our employees are committed to excellence and appreciate the opportunity to work for you, our customer.

The prime objective of all sales is customer satisfaction. We take pride in the fact that the best engineering skills, the most dependable materials and the latest production methods are combined with careful testing to produce a product guaranteed to deliver the type of performance which merits this satisfaction. Crown Pump is very proud of our product and stand behind every unit we sell.

# PARTIAL LIST OF CROWN PUMP USERS

## MUNICIPAL

Arco, ID	Nellis Air Force Base, NV	Conway Springs, AR
Aurora, CO	U.S. Air Force Academy, CO	Vail, CO
Austin, TX	Tinker Air Force Base, OK	Beatty, NV
Tucson, AZ	U.S. Corps OF Engineers	Bedford, WY
Higginsport, OH	Navajo Tribal Authority, AZ	Bluffton, IN
Tell City, KS	Houston, TX	Sherman, TX
Florence, SC	Kilgore, TX	Canton, IL
Sparta, MS	Webb City, MO	Cape Coral, FL
Burlington, IL	Naples, FL	Kyle, TX
Upton, CO	Tiff City, MO	Miami, FL
Sarasota, FL	Camp LeJune Marine, NC	Gillette, WY.
Atlanta, GA	Sansibel Island, FL	Boynton Beach, FL
Dubuque, IA	Maxwell Air Force Base, AL	Mills, WY
Wilton, IA	Elgin Air Force Base, FL	De Land, FL
West Point Academy, NY	Texas Dept. Of Corrections, TX	Indianapolis, IN
Castle Rock, CO	Whitehall, PA	Allentown, PA

## INDUSTRIAL

Arimetco Mining, AZ	Zeon Chemical, MS
Links Golf Course, NM	Quilcene Fish Hatchery, WA
Quartz Products, Inc., KY	Landmark Homes, IL
Amoco Oil Production, TX	Texas Industries, Inc., TX
Phelps - Dodge, AZ	Texas Utilities, TX
N. L. Baroid, TX	Cominco American, NV
Loon Mountain, NH	Vulcan Materials, TN
Ken Surf Mine, KY	Captain Mine, IL
Koch Hydrocarbons, KS	Westinghouse-Savannah, GA
Montana Tunnels, MT	Trident Cement, MT
Placer U.S., Inc	Union Pacific Railroad, CA
Farmers Pride, Inc., PA	College Hill Poultry, PA

## CORROSIVE WATER APPLICATIONS

Consolidated Coal, WV	Kennecott Mining, NV
Marathon Oil Co.	Amerada Hess Oil Co.
Climax Henderson Mine, CO	Exxon Oil Co.
Cliff Oil Drilling	Union Oil Co.
Mobil Oil Co.	Marine Oil Drilling
Cypress Miami Mining, AZ	Transworld Oil Drilling
Texaco Oil Co.	A & P Oil Drilling
Shell Oil Co.	Placid Oil
Ensco Drilling Co.	Raytheon Services. CA
Peabody Coal, KY	Unocal Oil & Gas, AK
Naples, FL	Cape Coral, FL
Sansibel Island, FL	Overton, NV



# CROWN PUMP

## CHECK VALVES



CROWN CHECK VALVES WITH HEAVY CAST BODIES AVAILABLE IN: 3", 4", 5", 6"

LEAD-FREE BRONZE \* DUCTILE IRON \* NI-RESIST \* 316 STAINLESS STEEL

ALL INTERNAL COMPONENTS ARE CORROSION-RESISTANT STAINLESS STEEL

VALVE SEAL OF DURABLE NITRILE

SPECIAL THREADS AVAILABLE ON REQUEST

BREAK-OUT PLUGS AVAILABLE TO DRAIN RISER PIPE WHEN PULLING PUMP



CLASSIFIED  
2P66  
VALVES

CLASSIFIED TO  
ANSI/NSF 61 - 1995

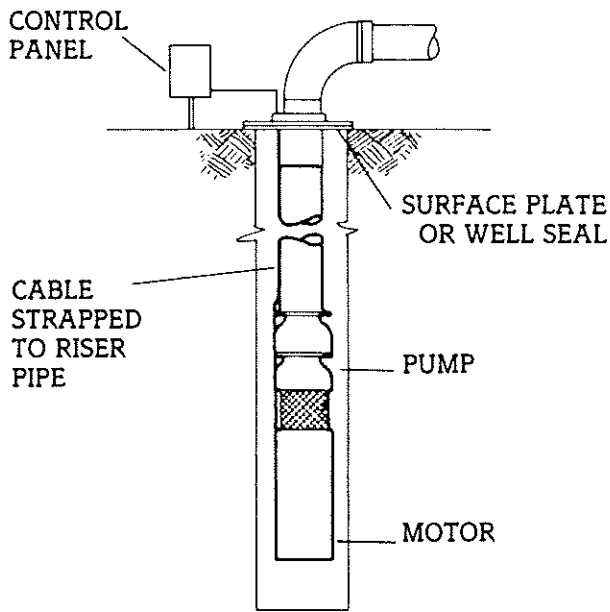
### GENERAL SPECIFICATIONS

Check valves shall be of the in-line column type, specifically designed for submersible pump installations and manufactured by a submersible pump manufacturing company. All internal working parts shall be of stainless steel and the valve seal shall be of a durable nitrile to provide a positive shut-off. Valves shall be of the spring loaded design which will open immediately and automatically with flow and close silently upon cessation of flow. Valves shall be maintenance free and capable of providing long dependable life under repeated daily operation. Valve body shall be of heavy cast material (bronze, ni-resist, ductile iron, 316 stainless steel) of sufficient strength to support the full weight of the submersible pump, motor and column pipe filled with water. Valve body shall be of sufficient thickness to be drilled and tapped, if required, for installation of a break-off plug to drain the column of water for pulling of the submersible pump. Valve shall be as manufactured by Crown Pump Corporation and be rated at 425 psi minimum working pressure.

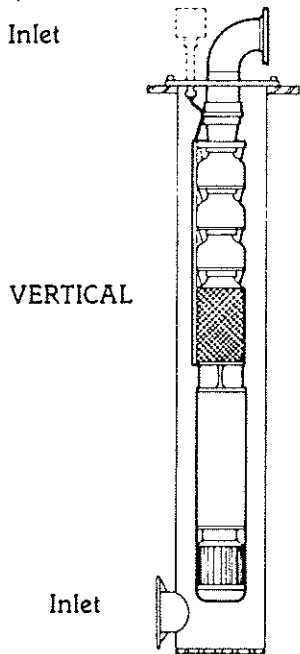
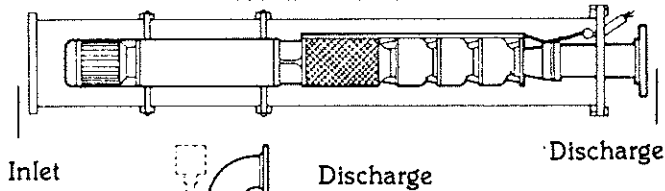
VALVE SHALL BE U.L. CLASSIFIED TO ANSI/NSF STANDARD 61, 1995.

# TYPICAL INSTALLATIONS

## WELL INSTALLATION



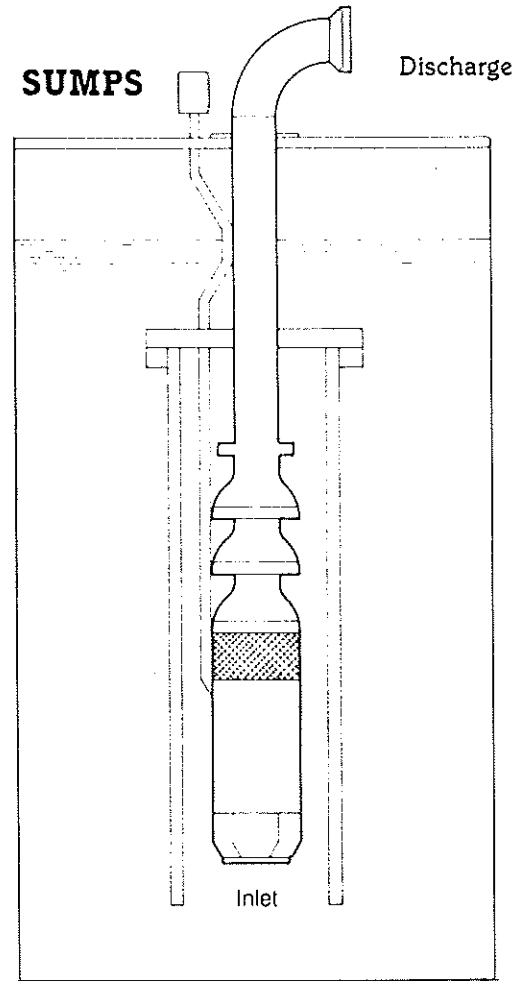
## HORIZONTAL



## IN-LINE BOOSTERS

- Nothing above ground
- Noiseless
- Compact

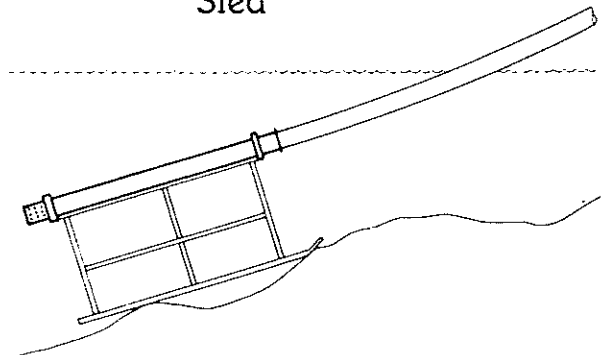
## SUMPS



Pump located in a shroud to ensure water-flow past the motor

## LAKES, QUARRIES, RIVERS

- Floodproof
- Out of Sight
- Pump Supported by a Sled



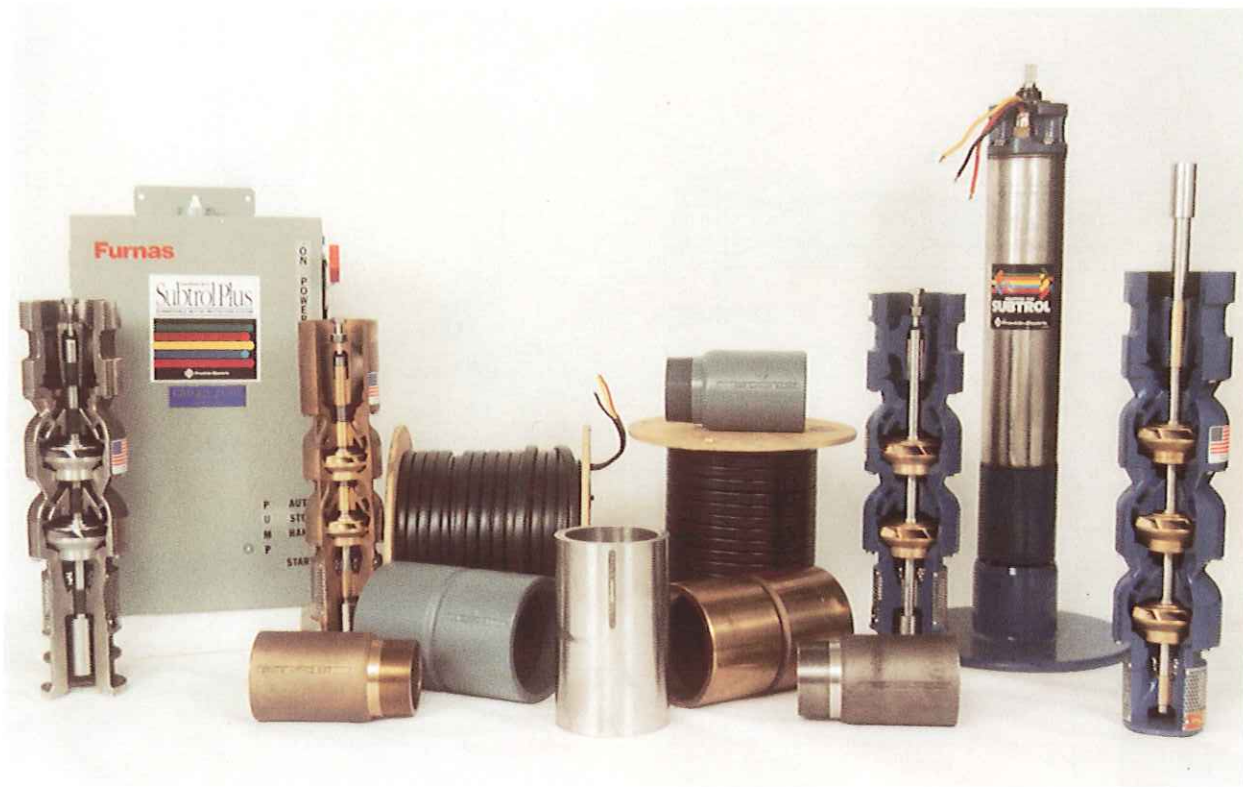
CROWN PUMP CORPORATION  
101 Bivar  
De Leon, Texas 76444  
817-893-5700

SOLD AND SERVICED BY:

# CROWN *COMMITMENT TO QUALITY*

*MADE IN AMERICA*

Crown Pump Manufacturing facility located in De Leon, Texas, combines the best in materials, craftsmanship, engineering, and manufacturing technology to produce the most efficient, reliable, and trouble-free pumps in the industry. Our name and reputation ride on every pump we sell



FRANKLIN SUBTROL PANELS - SUBMERSIBLE CABLE - CHECK VALVES

## **SERVICE AND SATISFACTION**

Crown Pump's goal is not to be the biggest pump company, but to be the best. Our commitment to quality extends to customer service and satisfaction with each and every unit we sell, no matter how large or how small. Our phones are answered by experienced competent personnel whose entire careers have been in the pump business. Over 200 years of experience are at your disposal. You will not have to deal with recordings or voice mail at Crown Pump.