

# **Construction Details**

# Rugged Vertical Design

Heavy construction and advanced design techniques throughout insure high performance and long, trouble-free service life. Vertical pumps are self-priming and self-venting. Hazards of bottom tank openings are eliminated. Space is conserved. Fugitive emissions are effectively controlled with various options and accessories.

# **Pump Thrust Bearing**

Every Taber pump has a thrust bearing to carry the dynamic thrust generated during pump operation. Since pump thrust is not transferred to the motor, standard motors and flexible couplings, can be used.

# Impeller Adjustment Above Support Plate

The impeller adjustment/locking mechanism is located above the support plate. This positioning permits convenient and safe access for ease of accurate adjustment with pump in the installed position.

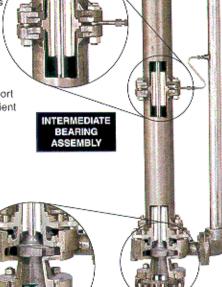
# Long Sleeve Bearings

Long sleeve bearings offer a well supported shaft with greater load carrying capacity due to increased surface area.

Bearing materials tailored to the application.

CASING, HEAD AND IMPELLER ASSEMBLY





## **Registered Fits**

Taber pumps are designed with registered fits so parts remain concentric to the shaft, simplifying assembly.

# Flanged Support Columns

Large diameter rigid support columns with registered fits provide precise alignment of shaft and sleeve bearings.

# Large Shaft Diameter

Oversized shafts minimize deflection and improve shaft/bearing system stability, increasing pump service life.

### All Metal Construction

The strength and durability of a wide range of alloys, as well as ductile iron, are available to handle the full spectrum of chemical and industrial liquids.

# Wide Range of Applications

Many optional features can be used to meet specific application requirements such as double stuffing boxes for fuming acids, and steam jackets for molten sulfur.

# Optional Suction Strainer

To reduce clogging, the area through the strainer is more than twice that of the impeller inlet area.

### **TABER SERIES** BENEFITS **FEATURES** Rugged construction provides long MTBPM and long service life. Rugged Vertical Design Since pump thrust is not carried by the motor, standard P-base motors and flexible **Pump Thrust Bearing** couplings can be used. Allows for impeller adjustment with pump installed, reducing maintenance and Impeller Adjustment Above Support Plate adjustment time. Offers better support of the shaft, less shaft deflection, and longer bearing life. Long Sleeve Bearings Every part location is concentric to the shaft, offering longer MTBPM and simple Registered Fits maintenance. Rigid support columns with registered fits provide precise alignment of shaft and sleeve Fabricated Support Columns bearings for easy assembly. Large shaft diameter minimizes deflection, provides longer MTBPM and better Oversized Shaft Diameters shaft/bearing stability. Strength and durability of a wide range of alloys to handle a wide range of liquids. All Metal Construction Optional for waste sumps to keep trash out of impeller and casing. Strainer Thicker support plates offer longer service life due to more stiffness and vibration Heavy Duty Support Plates damping effect.

# Taber Vertical Pump Designs

# SERIES 1000 — 2000 — 8000

# Design 10

The most basic design for a Taber pump with maximum unsupported shaft length and no shaft sealing required.

- No Intermediate Bearings
- No Stuffing Box
- Limited Length

## Design 20

This Taber design includes intermediate bearings for lengths exceeding those which allow unsupported shafting.

- With Intermediate Bearings
- No Stuffing Box
- Length to 36'

### Design 30

This Taber design includes a stuffing box, which is normally used for industrial applications to contain non-toxic fumes. (A double stuffing box design is recommended for use on toxic, corrosive or noxious liquids.)

- No Intermediate Bearings
- Stuffing Box Included
- Limited Length

### Design 40

This construction is considered the "standard" for process industries. Size of process vessels and reactors dictate longer pump settings, and safety and environmental considerations typically require a stuffing box.

- With Intermediate Bearings
- Stuffing Box Included
- Length to 36'

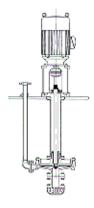


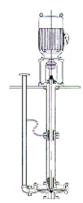
# SERIES 9000 / CANTILEVER

# Design 50

The cantilever design has no submerged bearings. Used where it is undesirable to have any bearings in contact with liquid being pumped. The shaft is supported by two sets of bearings above the support plate.

- No Intermediate or Head Bearings
- Stuffing Box Included
- Limited Length











# OPTIONS

# ▼ Duplex Construction

The duplex pump arrangement is normally furnished with level controls and alternator. Typically, this option is used where flow requirements can vary or a standby pump is required. Individual pear shaped plates, mounted on a large support plate, allow minimum use of space and simplify removal of a single pump.

# Jacketed Construction >

This option allows handling liquids that solidify or become highly viscous at ambient temperatures. Jacketing can be installed on the support column, discharge pipe, or any combination. Typical services include molten sulfur, lead, zinc, waxes, glue, rosin, etc.

# ≺ Level Controls

A float switch, rod and float are typically used in sump pump applications. This is a common option where liquid levels vary, requiring starting and stopping of the pump.

# Outside Mounting >

Outside mounting (dry pit mounting) is used where it is impractical to mount the pump inside a tank, as on toxic, ultra pure and flammable liquids, or in a glass lined tank. Where intermediate bearings are used, auxiliary flush lines from the pump discharge are used to cool and lubricate the bearings.



# ADDITIONAL OPTIONS / ACCESSORIES

Contained Double Stuffing Box (Gas or Liquid Purged) External Flushing Arrangements for Shaft Bearings Cladded Support Plates (Stainless Steel, Nickel, etc.) Mechanical Seal (Liquid and/or Gas Type)

**Duplex Thrust Bearing** Vapor-Proof Construction Suction Strainer Suction Tailpipe

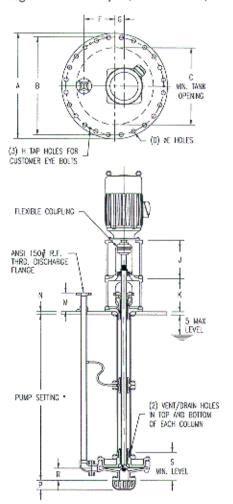
Low-Flow Design 300# Flanges Customized Support Plate (e.g. to fit existing piping and mounting configuration)

# Series 1000 Taber

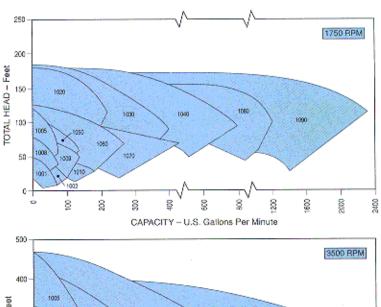
These are single stage, vertical sump pumps with single volute casings and fully open impellers. They are available with or without a stuffing box, which in many applications is unnecessary. The liquid being pumped cannot reach the stuffing box, area unless the liquid level in the tank reaches the support plate. A stuffing box, however, is recommended when handling toxic, fuming, corrosive or noxious liquids. Since the pump is submerged in the liquid, NPSH requirements are

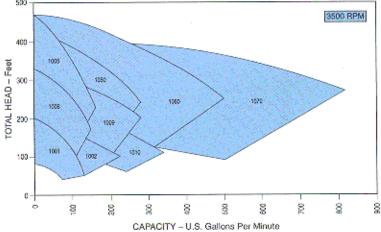
minimized and priming requirements are completely eliminated. Intermediate bearings are not required for most applications unless pump setting exceeds four feet

TYPICAL APPLICATIONS: sulfuric acid, molten salts, heat transfer liquids, molten sulfur, caustic, drainage sumps and industrial waste systems.



# Performance Curves





For 1150 RPM, contact your local Representative or the Factory.

MODEL	SIZE	Std. Tank Opening	Α	В	C.	D	E	F	G	н	J	K	M	N	P	R	S
1001	11/2 x 1 - 63/8	151/2	231/2	211/4	151/2	16	11/8	61/4	23/4	1/2 - 13	87/8	93/8	6	7/8	3	4	7
1002	3 x 11/2 - 63/8	153/4	25	223/4	153/4	16	11/4	61/8	27/s	1/2 - 13	87/a	93/8	6	7/8	3	4	7
1005	2 x 1 - 10	191/2	271/2	25	191/2	20	11/4	81/4	23/4	1/2 - 13	87/8	93/8	6	7/8	3	4	7
1008	11/2 x 1 - 81/4	161/2	25	223/4	161/2	16	11/4	63/4	21/4	1/2 - 13	87/a	93/8	6	7/a	3	4	7
1009	3 x 11/2 - 81/4	17	25	223/4	17	16	11/4	63/s	25/a	1/2 - 13	87/8	93/8	6	7/8	3-	4	7
1010	3 x 2 - 7	19	271/2	25	19	20	13/4	71/4	41/16	1/2 - 13	87/e	93/8	6	7/8	3	4	7
1020	3 x 11/2 - 13	24	341/4	319/4	24	24	13/8	10	3	5/8 - 11	121/2	10%	6	1	3	4	7
1030	3 x 2 - 13	26	361/2	34	26	28	13/s	105/a	315/16	5/8 - 11	121/2	105/a	6	1	3	4	7
1040	4 x 3 - 13	30	413/4	381/2	30	28	15/e	12	53/16	5/8 - 11	121/2	105/e	6	1	3	4	7
1050	3 x 11/2 - 10	20	291/2	271/4	20	20	13/8	81/8	27/8	5/8 - 11	121/2	105/a	6	1	3	4	7
1060	3 x 2 - 10	22	32	291/2	22	20	13/8	83/4	313/16	5/8 - 11	121/2	105/a	6	1	3	4	7
1070	4 x 3 - 10	261/4	361/2	34	261/4	28	13/a	101/4	57/16	5/8 - 11	121/2	105/s	6	1900	3	4	7
1080	6 x 4 - 13	311/2	413/4	381/2	311/2	28	15/8	115/a	513/16	3/4 - 10	14	15	6	11/8	3	4	7
1090	8 x 6 - 14	43	551/4	513/4	40	40	15/8	15	91/16	3/4 - 10	161/4	139/16	8	11/4	10	6	13

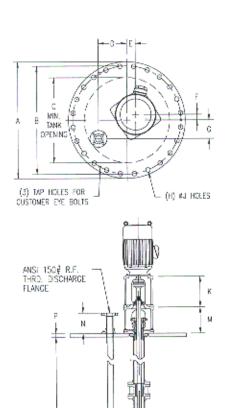
\*Min. Tank Opening

Dimensions shown in inches.

# Series 2000 Taber

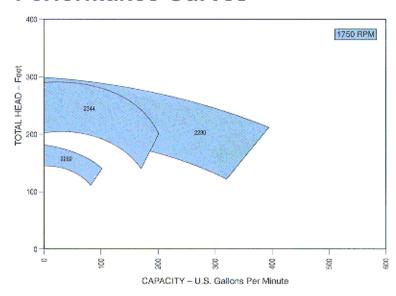
These two stage centrifugal pumps are a practical approach to pumping liquids under low capacity, high head conditions. In chemical service, they are the only logical answer since the alternatives of turbine pumps, rotary pumps and high speed centrifugal pumps all have major drawbacks.

This design has been engineered to solve the problem of high head without requiring high speed. Two impellers operate in series to double the head with specifically designed inter-connecting water passageways between the two stages.



MODEL 2230

# **Performance Curves**



MODEL	SIZE	Α	В	C.	D	E	F	G	Н	J	К	M	N	Р	R	S
2269	2 x 11/2 - 10	291/2	271/4	20	315/16	11/2	21/2	61/2	20	11/4	121/2	101/2	6	1	23/4	73/4
2344	4 x 2 - 121/2	32	291/2	23	425/32	2	23/4	711/18	20	13/8	121/2	101/2	6	1	41/2	191/2
2230	4 x 8 - 121/2	389/4	36	26	51/4	2	31/2	81/2	28	13/8	121/2	101/2	6	1	41/2	203/4

MCDEL 2269

\*Min. Tank Opening

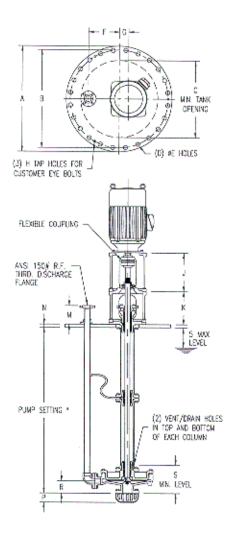
PUMP SETTING .

Dimensions shown in inches.

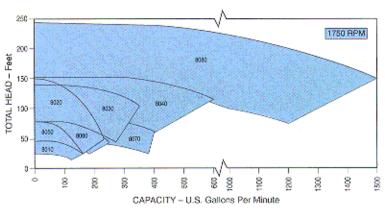
# Series 8000 Taber

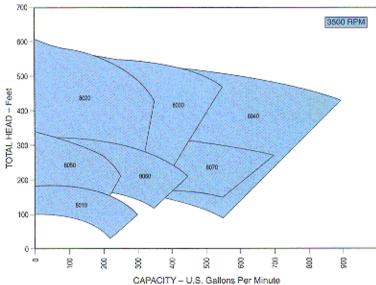
The main difference between the Taber Series 8000 and other vertical pump designs is the use of a triple volute casing versus the single volute casing like the Series 1000 Taber. The three equally spaced (120°) volutes result in a balance of radial thrust on the impeller and shaft. This balance resists eccentric

bearing wear and extends service life of the Series 8000 pumps. Another benefit of the Series 8000 is improved handling of viscous liquids because the three volutes reduce shear with the shorter flow path at the periphery of the impeller. The same benefit applies in handling liquids with entrained vapors or solids.



# Performance Curves





For 1150 RPM, contact your local Representative or the Factory.

SIZE	Std. Tank Opening	A	В	C*	D	Ε	F	G	Н	J	К	М	N	P	R	S
3×2-7	19	271/2	25	19	20	11/4	71/4	41/1e	1/2 - 13	B7/a	93/8	6	7/8	3	4	7
3 x 11/2 - 13	24	341/4	313/4	24	24	13/8	10	3	5/8 - 11	121/2	105/s	6	1	3	4	7
3 x 2 - 13	26	361/2	34	26	28	13/8	10%	315/16	5/8 - 11	121/2	105/8	6	1	3	4	7
4 x 3 - 13	30	413/4	381/2	30	28	15/8	12	58/16	5/8 - 11	121/2	105/8	6	1	3	4	7
3 x 11/2 - 10	20	291/2	271/4	20	20	19/8	81/s	27/8	6/a - 11	121/2	106/8	6	1	3	4	. 7
3 x 2 - 10	22	32	291/2	22	20	13/8	83/4	318/16	5/a - 11	121/2	106/s	6	1	3	4	7
4 x 3 - 10	261/4	361/2	34	261/4	28	13/8	101/4	57/18	5/e - 11	121/2	105/a	6	1	3	4	7
6 x 4 - 13	311/2	413/4	381/2	311/2	28	16/8	115/a	513/16	3/4 - 10	14	15	6	11/8	3	4	7
8 x 6 - 14	43	551/4	513/4	40	40	15/8	15	91/16	3/4 - 10	161/4	139/16	8	11/4	10	6	13
	3 x 2 - 7 3 x 1½ - 13 3 x 2 - 13 4 x 3 - 13 3 x 1½ - 10 3 x 2 - 10 4 x 3 - 10 6 x 4 - 13	Opening           3 x 2 - 7         19           3 x 11/2 - 13         24           3 x 2 - 13         26           4 x 3 - 13         30           3 x 11/2 - 10         20           3 x 2 - 10         22           4 x 3 - 10         261/4           6 x 4 - 13         311/2	Opening           3 x 2 - 7         19         271/2           3 x 11/2 - 13         24         341/4           3 x 2 - 13         26         361/2           4 x 3 - 13         30         413/4           3 x 11/2 - 10         20         291/2           3 x 2 - 10         22         32           4 x 3 - 10         261/4         361/2           6 x 4 - 13         311/2         419/4	Opening           3 x 2 - 7         19         271/2         25           3 x 11/2 - 13         24         341/4         313/4           3 x 2 - 13         26         361/2         34           4 x 3 - 13         30         413/4         381/2           3 x 11/2 - 10         20         291/2         271/4           3 x 2 - 10         22         32         291/2           4 x 3 - 10         261/4         361/2         34           6 x 4 - 13         311/2         413/4         381/2	Opening           3 x 2 - 7         19         271/2         25         19           3 x 11/2 - 13         24         341/4         313/4         24           3 x 2 - 13         26         361/2         34         26           4 x 3 - 13         30         413/4         381/2         30           3 x 11/2 - 10         20         291/2         271/4         20           3 x 2 - 10         22         32         291/2         22           4 x 3 - 10         261/4         361/2         34         261/4           6 x 4 - 13         311/2         413/4         381/2         311/2	Opening       3 x 2 - 7     19     271/2     25     19     20       3 x 11/2 - 13     24     341/4     313/4     24     24       3 x 2 - 13     26     361/2     34     26     28       4 x 3 - 13     30     413/4     381/2     30     28       3 x 11/2 - 10     20     291/2     271/4     20     20       3 x 2 - 10     22     32     291/2     22     20       4 x 3 - 10     261/4     361/2     34     261/4     28       6 x 4 - 13     311/2     413/4     381/2     311/2     28	Opening           3 x 2 - 7         19         271/2         25         19         20         11/4           3 x 11/2 - 13         24         341/4         313/4         24         24         13/6           3 x 2 - 13         26         361/2         34         26         28         13/6           4 x 3 - 13         30         413/4         381/2         30         28         15/8           3 x 11/2 - 10         20         291/2         271/4         20         20         13/8           3 x 2 - 10         22         32         291/2         22         20         13/8           4 x 3 - 10         261/4         361/2         34         261/4         28         13/8           6 x 4 - 13         311/2         413/4         381/2         311/2         28         15/8	Opening           3 x 2 - 7         19         271/2         25         19         20         11/4         71/4           3 x 11/2 - 13         24         341/4         313/4         24         24         13/6         10           3 x 2 - 13         26         361/2         34         26         28         13/6         10           4 x 3 - 13         30         413/4         381/2         30         28         15/6         12           3 x 11/2 - 10         20         291/2         271/4         20         20         13/8         81/8           3 x 2 - 10         22         32         291/2         22         20         13/8         83/4           4 x 3 - 10         261/4         361/2         34         261/4         28         13/6         101/4           6 x 4 - 13         311/2         413/4         381/2         311/2         28         15/8         115/8	Opening           3 x 2 - 7         19         271/2         25         19         20         11/4         71/4         41/16           3 x 11/2 - 13         24         341/4         313/4         24         24         13/6         10         3           3 x 2 - 13         26         361/2         34         26         28         13/6         10 %         315/16           4 x 3 - 13         30         413/4         381/2         30         28         15/8         12         53/16           3 x 11/2 - 10         20         291/2         271/4         20         20         13/8         81/8         27/8           3 x 2 - 10         22         32         291/2         22         20         13/8         83/4         313/16           4 x 3 - 10         261/4         361/2         34         261/4         28         13/8         101/4         57/18           6 x 4 - 13         311/2         413/4         381/2         311/2         28         15/8         115/8         513/16	Opening           3 x 2 - 7         19         271/2         25         19         20         11/4         71/4         41/16         1/2 - 13           3 x 11/2 - 13         24         341/4         313/4         24         24         13/8         10         3         5/8 - 11           3 x 2 - 13         26         361/2         34         26         28         13/8         10%         319/16         5/8 - 11           4 x 3 - 13         30         413/4         381/2         30         28         15/8         12         59/16         5/8 - 11           3 x 11/2 - 10         20         291/2         271/4         20         20         13/8         81/8         27/8         5/8 - 11           3 x 2 - 10         22         32         291/2         22         20         13/8         83/4         319/16         5/8 - 11           4 x 3 - 10         261/4         361/2         34         261/4         28         13/8         101/4         57/16         5/8 - 11           6 x 4 - 13         311/2         413/4         381/2         311/2         28         15/8         115/8         513/16         3/4 - 11	Opening           3 x 2 - 7         19         271/2         25         19         20         11/4         71/4         41/1e         1/e - 13         87/s           3 x 11/2 - 13         24         341/4         313/s         24         24         13/s         10         3         5/s - 11         121/z           3 x 2 - 13         26         361/z         34         26         28         13/s         10%         315/s         5/s - 11         121/z           4 x 3 - 13         30         413/z         381/z         30         28         15/s         12         53/s         5/s - 11         121/z           3 x 11/z - 10         20         291/z         271/z         20         20         13/s         81/s         27/s         5/s - 11         121/z           3 x 2 - 10         22         32         291/z         22         20         13/s         83/z         313/s         5/s - 11         121/z           4 x 3 - 10         261/z         361/z         34         261/z         28         13/s         101/z         57/s         5/s - 11         121/z           6 x 4 - 13         311/z         413/z         381/z	Opening           3 x 2 - 7         19         271/2         25         19         20         11/4         71/4         41/16         1/2 - 13         87/8         95/9           3 x 11/2 - 13         24         341/4         313/4         24         24         13/8         10         3         5/8 - 11         121/2         105/8           3 x 2 - 13         26         361/2         34         26         28         13/8         10%         315/16         5/8 - 11         121/2         105/8           4 x 3 - 13         30         413/4         381/2         30         28         15/8         12         58/16         5/8 - 11         121/2         105/8           3 x 11/2 - 10         20         291/2         271/4         20         20         13/8         83/8         27/8         5/8 - 11         121/2         105/8           3 x 2 - 10         22         32         291/2         22         20         13/8         83/4         313/16         5/8 - 11         121/2         105/8           4 x 3 - 10         261/4         361/2         34         261/4         28         13/8         101/4         57/16         5/8 - 11         <	Opening           3 x 2 - 7         19         271/2         25         19         20         11/4         71/4         41/16         1/2 - 13         81/8         93/6         6           3 x 11/2 - 13         24         341/4         313/4         24         24         13/8         10         3         5/8 - 11         121/2         105/8         6           3 x 2 - 13         26         361/2         34         26         28         13/8         10/8         5/8 - 11         121/2         105/8         6           4 x 3 - 13         30         413/4         381/2         30         28         15/8         12         53/16         5/8 - 11         121/2         105/8         6           3 x 11/2 - 10         20         291/2         271/4         20         20         13/8         81/8         27/8         5/8 - 11         121/2         105/8         6           3 x 2 - 10         22         32         291/2         22         20         13/8         83/4         313/16         5/8 - 11         121/2         105/8         6           4 x 3 - 10         261/4         361/2         34         261/4         28	Opening           3 x 2 - 7         19         271/2         25         19         20         11/4         71/4         41/16         1/e - 13         87/s         93/e         6         7/e           3 x 11/2 - 13         24         341/4         313/a         24         24         13/e         10         3         5/s - 11         121/z         105/s         6         1           3 x 2 - 13         26         361/z         34         26         28         13/e         105/e         315/e         5/s - 11         121/z         105/s         6         1           4 x 3 - 13         30         413/z         381/z         30         28         15/s         12         53/e         9/s - 11         121/z         105/s         6         1           3 x 11/z - 10         20         291/z         271/z         20         20         13/s         81/s         27/s         5/s - 11         121/z         106/s         6         1           3 x 2 - 10         22         32         291/z         22         20         13/s         83/z         313/s         5/s - 11         121/z         106/s         6         1 <td< td=""><td>Opening       3 x 2 - 7     19     271/2     25     19     20     11/4     71/4     41/16     1/2 - 13     87/8     93/6     6     7/6     3       3 x 11/2 - 13     24     341/4     313/4     24     24     13/6     10     3     5/8 - 11     121/2     105/8     6     1     3       3 x 2 - 13     26     361/2     34     26     28     13/6     103/6     316/16     5/8 - 11     121/2     105/8     6     1     3       4 x 3 - 13     30     413/4     381/2     30     28     15/8     12     53/16     5/8 - 11     121/2     105/8     6     1     3       3 x 11/2 - 10     20     291/2     271/4     20     20     13/8     81/8     27/8     5/8 - 11     121/2     105/8     6     1     3       3 x 2 - 10     22     32     291/2     22     20     13/8     83/4     313/16     5/8 - 11     121/2     105/8     6     1     3       4 x 3 - 10     261/4     361/2     34     261/4     28     13/8     101/4     57/16     5/8 - 11     121/2     105/8     6     1     3</td><td>Opening           3 x 2 - 7         19         271/2         25         19         20         11/4         71/4         41/16         1/2 - 13         87/8         9%         6         7/6         3         4           3 x 11/2 - 13         24         341/4         313/4         24         24         13/8         10         3         5/8 - 11         121/2         105/8         6         1         3         4           3 x 2 - 13         26         361/2         34         26         28         13/8         10%         315/16         5/8 - 11         121/2         105/8         6         1         3         4           4 x 3 - 13         30         413/4         381/2         30         28         15/8         12         53/16         5/8 - 11         121/2         105/8         6         1         3         4           3 x 11/2 - 10         20         291/2         271/4         20         20         13/8         81/8         27/8         5/8 - 11         121/2         105/8         6         1         3         4           3 x 2 - 10         22         32         291/2         22         20         13/8</td></td<>	Opening       3 x 2 - 7     19     271/2     25     19     20     11/4     71/4     41/16     1/2 - 13     87/8     93/6     6     7/6     3       3 x 11/2 - 13     24     341/4     313/4     24     24     13/6     10     3     5/8 - 11     121/2     105/8     6     1     3       3 x 2 - 13     26     361/2     34     26     28     13/6     103/6     316/16     5/8 - 11     121/2     105/8     6     1     3       4 x 3 - 13     30     413/4     381/2     30     28     15/8     12     53/16     5/8 - 11     121/2     105/8     6     1     3       3 x 11/2 - 10     20     291/2     271/4     20     20     13/8     81/8     27/8     5/8 - 11     121/2     105/8     6     1     3       3 x 2 - 10     22     32     291/2     22     20     13/8     83/4     313/16     5/8 - 11     121/2     105/8     6     1     3       4 x 3 - 10     261/4     361/2     34     261/4     28     13/8     101/4     57/16     5/8 - 11     121/2     105/8     6     1     3	Opening           3 x 2 - 7         19         271/2         25         19         20         11/4         71/4         41/16         1/2 - 13         87/8         9%         6         7/6         3         4           3 x 11/2 - 13         24         341/4         313/4         24         24         13/8         10         3         5/8 - 11         121/2         105/8         6         1         3         4           3 x 2 - 13         26         361/2         34         26         28         13/8         10%         315/16         5/8 - 11         121/2         105/8         6         1         3         4           4 x 3 - 13         30         413/4         381/2         30         28         15/8         12         53/16         5/8 - 11         121/2         105/8         6         1         3         4           3 x 11/2 - 10         20         291/2         271/4         20         20         13/8         81/8         27/8         5/8 - 11         121/2         105/8         6         1         3         4           3 x 2 - 10         22         32         291/2         22         20         13/8

\*Min. Tank Opening

△ Dual Volute

☐ 8080 has tangential discharge

Dimensions shown in inches

# **Standard Materials of Construction**

PIECE	PART		MATERIAL DESIGNATION												
NO.	NAME	D.I./ 316SS	316SS	316L	304SS	304L	Elcomet K*	A-48*	R-55*	Ni	Y-17*	Y-30*			
29	Suction Strainer	C.I.	316SS	316L	304SS	304L	Elcomet K	A-48	R-55	Ni	Y-17	Y-30			
22	Casing	D.I.	316SS	316L	30488	304L	Elcomet	A-48	R-55	Ni	Y-17	Y-30			
23	Head	D.I.	316SS	316L	304SS	304L	Elcomet	A-48	R-55	Ni	Y-17	Y-30			
31	Impeller	316	SSS	316L	304SS	304L	Elcomet	A-48	R-55	Ni	Y-17	Y-30			
17	Intermediate & Head Brg. Sleeve			Glass Fill	ed Teflon <sup>2</sup>		I K	Fluted Rubber		Rulo	n 123 <sup>3</sup>				
RP	Retaining Pin		316SS		304	188	20SS	316SS	Hastelloy	Ni	Hastelloy				
-	Gasket - Casing			N	on-Asbest	os			C	C1 C B Teflon					
-	Hardware (Wetted)	Steel	316	SS	304	188	2088	31688	Hastelloy	Ni	Hastelloy				
75	Support Column	Steel	316SS	316L	304SS	304L	2088	Steel	C Hastelloy	Ni	C Hastelloy				
46	Support Plate						Steel		С		С	В			
94 <b>A</b> /94	Tripod - Motor/ Thrust	Cast Iron													
-	Tripod Guards	30 Gauge Steel													
-	Coupling	Flexible Non-Spacer													
	Hardware (Non-Wetted)	Steel													
112	Discharge Elbow	D.I.	316SS	316L	304SS	304L	Elcomet	A-48	R-55	Ni	Y-17	Y-30			
93	Discharge Pipe	Steel	316SS	316L	304SS	304L	20SS	Duplex Stainless	Hastelloy C	Ni	Hastelloy	Hastelloy B			
-	Discharge Flange	Steel	316	SS	304	ISS	20SS	A-48	Hastelloy C	Ni		Hastelloy B			
61	Clamp						Ductile Iron	1							
Х	Packing - Discharge Pipe Clamp					Т	FE/Graphi	te							
33	Shaft	C.R.S.	316SS	316L	304SS	304L	2088	Duplex Stainless	Hastelloy C22	Ni	Hastelloy C22	Hastelloy B			
69	Impeller Nut		316SS		304	ISS	2088	Duplex Stainless	Hastelloy C22	Ni	775	Hastelloy B			
СР	Impeller Pin (Cotter Pin)		316SS		304	ISS	20SS	Duplex Stainless	Hastelloy C22	Ni		Hastelloy B			
62	Impeller Key		316SS		304	SS	2088	316SS	Hastelloy C22	Ni		Hastelloy B			
88	Impeller Washer		316SS		304	SS	2088	Duplex Stainless	Hastelloy C22	Ni		Hastelloy B			
-	Coupling Key						Steel	Otalilloos	ÜZE			ь			
71	Thrust Bearing			Bal	l Bearing i	n Flanged	Cast Iron	Housing (	Grease Luk	ne)					
63	Stuffing Box	D.I.	316SS	316L	304SS	304L	Elcomet K	D.I.	R-55	Ni	Y-17	Y-30			
21	Split Gland (2 Piece)	D.I.	316	ss	304	SS	Elcomet	D.I.	R-55	Ni	Y-17	Y-30			
18	Stuffing Box Sleeve				Glas	ss Filled T	efion or Ca	rbon Grap	hite						
XX	Packing - Stuffing Box				TFE/Gr	aphite or	Die Forme	d Graphite	Rings						
-	Gasket - Stuffing Box			No	on-Asbesto	os				Te	flon				
NOTES:	* LaBour proprietar						10-								

NOTES: \* LaBour proprietary material.

Materials may change without notice.

Custom material combinations to suit a special application are available.

<sup>&</sup>lt;sup>1</sup> Registered trademark of Haynes International. Registered trademark of E.I. duPont de Nemours. Registered trademark of Dixon Corporation.



## VERTICAL

Designs ideal for a wide range of applications from water to process liquids — or even molten materials.

1000 Series: Single Stage, Center-Line Casing

2000 Series: Two Stage

8000 Series: Triple-Throat, Center-Line Discharge

9000 Series: Cantilever



## HORIZONTAL

A range of models for transfer, circulation, or process applications designed to handle a wide range of liquids from water to acids.

LVA: ANSI Standard, Back Pull-Out TFA: ANSI Standard, Triple-Throat

DPL/DHL Series:

Self-Primer, Valve-Less, Concentric Casing

## LPL/LHL Series:

Self-Primer, Back Pull-Out, Concentric Casing

# G Series:

Packing-Less, Self Primer, Vertical

**DZT Series:** Low-Flow, Concentric Casing

Q Series: Triple-Throat, Concentric Casing

MHL/MPL Series:

Metallic, Self-Primer, Mag Drive, Sealless

# **OPTIONS**

The following accessories are available:

## Dry Run Protector

- Minimize Potential Pump Damage
- Adjustable Current Settings
- Adjustable Time Delay

# Non-Metallic ANSI Base Plate

- Corrosion Resistant Materials
- Positive Equipment Mounting
- ANSI Standard Dimensions

# Ease-Align™

- No Motor Bolt Binding
- Use with All LaBour Base Plates
- Range of Sizes & Materials

## Large Bore Stuffing Box

- Better Flushing of Solids
- · Greater Heat Transfer
- Available: Straight, Tapered or Stepped

# Shaft Sleeve

- Replaceable Hook Sleeves Simplify Seal Changes
- Save Money in Services such as Slurries

# Labyrinth Oil Seal

 Prevents Contaminants from Entering Bearing Housing

