GUSHER PUMPS
A RUTHMAN COMPANY

GUSHER®

GENERAL SERVICE INDUSTRIAL PUMPS

Below Plate Immersible Type Pumps

Flange Mount Seal Type Pumps

Tank Units with Multi-Stage Immersible Pumps

Above Plate Discharge Coolant Type Pumps

11029 Immersible Type

Vertical Stainless Steel Multi-Stage Immersible Pumps

THE MOST RELIABLE CHOICE...SINCE 1912

RUTHMAN COMPANIES 100 YEARS OF INNOVATION 1912 · 2012

Why Gusher Pumps?

GUSHER® PUMPS
A RUTHMAN COMPANY

A Century of Innovation...

Since 1912, the Ruthman Company has been the proven leader in Industrial Pump Design, Engineering and Manufacturing for The Machine Tool and Industrial Manufacturing Industries. In 1924, The Ruthman Company designed and introduced the Gusher Pump, the industry's first Sealless Centrifugal Pump.

Proven Reliability...

From the Ruthman Machinery Company's early days of building equipment to power the Ohio River steamboats, to providing essential equipment to today's high tech, high volume production manufacturing facilities, Ruthman's Gusher Pump line is known for it's rugged design and trouble-free operation. Built into every Gusher Pump are precision machined, sturdy one-piece shafts, electronically balanced rotating assemblies (increasing bearing life, cutting vibration and wear),No metal to metal contact, no priming which saves time, less energy usage when throttled, instantaneous liquid flow and balanced thrust obtained by equalized pumping action.

Extensive Selection and Flexibility

Gusher Pumps offers a broad product line which is, by design, easily adapted for the solution to any pumping application and environment. Whether off the shelf or special make-up, Gusher will make sure our customer has what is needed.
Gusher's primary attribute is willingness and abilityto adapt and customize (or build from scratch) products for situations unique to specific requirements.

RUTHMAN COMPANIES
100
100 YEARS OF INNOVATION
1912 · 2012

Below Plate Immersible Type Pumps

Applications...

Machine Tool Hydraulic Coolant

High Volume Transfer

Pump Features..

Available in Cast Iron or Plastic Impellers

Discharge Parallel with shaft

Multiple Lengths Available

Fan Cooled Motors and
Custom Motors Available

Horsepowers to 1hp

Below Plate Immersible Type Technical Data

The Drawings below and the chart on the facing page illustrate the typical specifications of various Immersed Type Gusher Coolant Pumps, and will aid in selecting the proper type and size pump to meet aspecific requirement. Note that from figures 2, 3 and 4 below, that these models are built with a circular flanged bracket and may be mounted directly to the reservoir. The construction of models shown only in Fig. 2 and 3 eliminates piping within the reservoir or tank. WHEN ORDERING, please specify: Model Number; whether X-Long, Long or Short, Motor Horsepower and Motor Current Characteristics. **For Extended Models Up to 50" (In 1" increments)Call Gusher at (859) 824-3100**

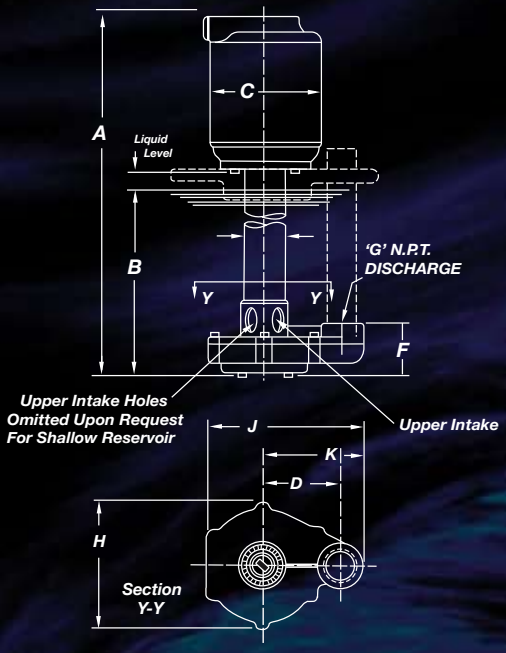


Fig. 1

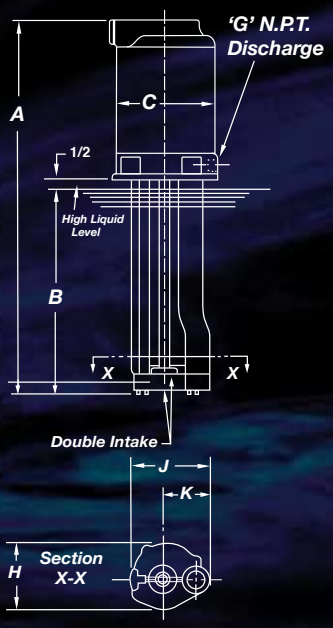


Fig. 2

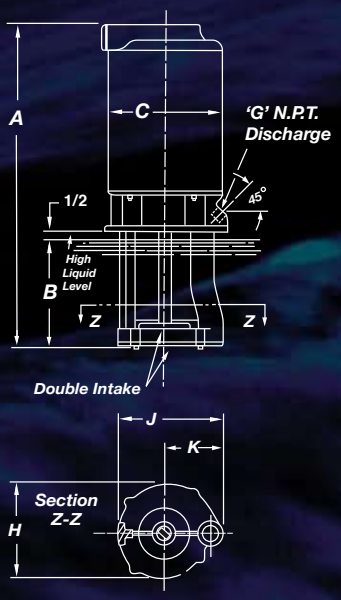
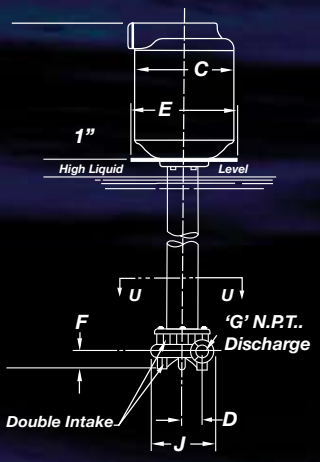


Fig. 3

FIGURES 1 – 5 PIPING AVAILABLE ON REQUEST.

FIGURES 1 – 4 & 5 "B" DIMENSIONS VARIABLE UP TO 10' LENGTHS

THE TYPES OF PUMPS IN FIGURES 1 AND 5 MAY BE MOUNTED BY MEANS OF ANGLE, ARM OR PLATE BRACKETS.



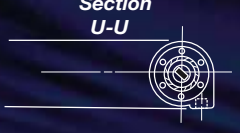
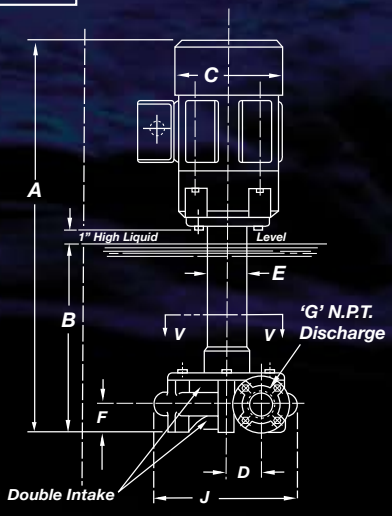


Fig. 4



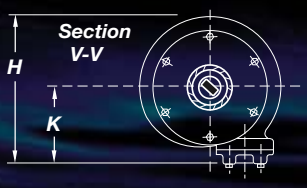
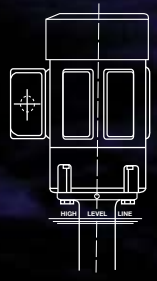
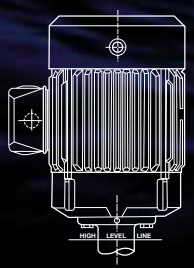


Fig. 5

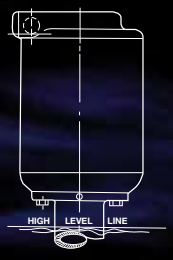
TYPICAL MOTORS



143 & 145T Fr
¾, 1, 1½, 2, 3, & 5 HP



182T Thru 215T Fr
7½ HP Thru 10 HP



48 & 56 Fr T.E.N.V.
1/10 HP Thru 3/4 HP

Below Plate Immersible Type Dimensions and Capacities

1725 R.P.M. — Pump Selection is Normally Made by Capacity Required. Use the first 3 Columns to assist in Pump Selection

MAX. HEAD IN FEET	MAX. HEAD & G.P.M. @ RATED H.P. HEAD	G.P.M.	CAPACITY CURVE NO.	MODEL	H.P.	FIG.	A X-LONG	A LONG	A SHORT	B X-LONG	B LONG	B SHORT	MAX. DIMENSIONS C	D	E	F	G N.P.T.	H	J	K
10	2	18	1	9025	1/10	4	19 3/8	16 3/16	14 3/16	10 3/16	7 5/8	5 5/8	5 5/8	1 1/2	6	1	1/2	4 7/16	4 7/16	2 1/4
14	4	65	9	11021	1/4	5	23 5/8	19 5/8	—	13 5/8	9 5/8	—	6 7/16	2 1/4	2 3/8	—	1 1/4	6	6 3/8	3 3/8
14	0	35	2	UL	1/4	1	23 15/16	19 15/16	16 5/16	11 5/16	9 15/16	6 5/16	6 7/16	2 5/8	2 3/8	2 3/8	3/4	5 1/4	6 1/16	3 7/16
14	0	40	2	UD	1/4	1	24 1/8	21 1/8	16 7/8	14 1/8	11 1/8	6 7/8	6 7/16	4 3/16	2 3/8	2 3/8	1	6 7/8	8 1/16	5 3/16
17	2	33	1	9050	1/4	3	19 1/2	16	—	9 1/2	5 7/8	—	6 7/16	—	7	7 5/8	3/4	5 1/4	5 13/16	3 1/4
21	10	45	3	RL	1/3	1	24 1/2	20 1/2	—	14 1/2	10 1/2	—	6 7/16	4 1/2	2 3/8	3	1 1/4	7 1/4	9	9 3/4
21	0	118	9	11023A	1/2	5	27 1/16	24 1/16	—	15 5/8	12 5/8	—	6 7/16	2 1/4	2 1/2	—	1 1/2	8 1/8	8	4 1/8
21	20	62	7	11029	1/2	5	23 1/2	20 1/2	—	12 1/16	9 1/16	—	6 7/16	2 1/4	2 1/2	—	1 1/4	9 3/8	9	4 7/8
34	18	45	3	RL	1/2	1	25 7/8	21 7/8	—	14 1/2	10 1/2	—	6 7/16	4 1/2	2 3/8	3	1 1/4	7 1/4	9	5 3/4
20	0	135	9	11023A	3/4	5	26 15/16	23 15/16	—	15 5/8	12 5/8	—	6 7/16	2 1/4	2 1/2	—	1 1/2	8 1/8	8	4 1/8
23	5	104	8	BL	3/4	1	—	25 7/16	18 9/16	—	14 1/8	7 1/4	6 7/16	4 3/4	2 1/2	4 15/16	1 1/2	8 1/4	10 15/16	6 1/2
23	20	65	7	11029	3/4	5	23 3/8	20 3/8	—	12 1/16	9 1/16	—	7 5/16	2 1/4	2 1/2	—	1 1/4	9 3/8	9	4 7/8
35	7	105	7	11029	1	5	25 5/16	22 5/16	—	12 1/16	9 1/16	—	7 5/16	2 1/4	2 1/2	—	1 1/4	9 3/8	9	4 7/8
22	5	168	11	CML	1	1	34	29	24	20 3/4	15 3/4	10 3/4	7 5/16	5 1/2	2 1/2	3 3/8	2	9 15/16	12 1/4	7 1/8
27	23	95	10	1025	1	5	32 1/2	28 1/2	—	19 1/4	15 1/4	—	7 5/16	2 1/2	3 1/2	—	2 1/2	9 1/4	9 3/8	4 3/4
23	2	112	8	BL	1	1	—	27 3/8	20 1/2	—	14 1/8	7 1/4	7 5/16	4 3/4	2 1/2	4 15/16	1 1/2	8 1/4	10 15/16	6 1/2
45	38	76	11	CML	1 1/2	1	★ 35	30	25	★ 20 3/4	15 3/4	10 3/4	7 15/16	10 3/4	2 1/2	3 3/8	2	9 5/16	12 1/4	7 1/8
27	14	195	10	11025	1 1/2	5	★ 33 1/2	29 1/2	—	★ 19 1/4	15 1/4	—	7 5/16	2 1/2	3 1/2	—	2 1/2	9 1/4	13 9/16	4 3/4
45	27	155	11	CML	2	1	35	30	25	20 3/4	15 3/4	10 3/4	9 3/8	5 1/2	2 1/2	3 3/8	2	9 5/16	12 1/4	7 1/8
32	0	445	13	26D	3	5	43 7/8	37 7/8	33 7/8	19 1/4	15 1/4	19 1/8	9 3/8	5 3/8	3 1/2	3 1/4	3	3 9/16	13 9/16	6 3/4
67	9	270	12	CML	3	1	35 1/2	30 1/2	25 1/2	20 3/4	15 3/4	10 3/4	9 3/8	5 1/2	2 1/2	3 3/8	2	9 5/16	12 1/4	7 1/8
67	36	205	12	CML	5	1	36 1/2	31 1/2	26 1/2	20 3/4	15 3/4	10 3/4	9 3/8	5 1/2	2 1/2	3 3/8	2	9 5/16	12 1/4	7 1/8
42	0	530	13	26D	5	5	★ 44 7/8	★ 38 7/8	34 7/8	★ 29 1/8	23 1/8	19 1/8	9 3/8	5 3/8	3 1/2	3 1/4	3	3 9/16	13 9/16	—
64	20	515	14	33D	7 1/2	5	★ 45 1/4	39 1/4	35 1/4	★ 29 1/8	★ 23 1/8	19 1/8	10 7/8	6 1/2	3 1/2	3 1/2	3	15 7/16	16 7/16	7 5/16
122	38	600	14	33D	10	5	★ 46 7/8	40 7/8	36 7/8	★ 29 1/8	23 1/8	19 1/8	10 7/8	6 1/2	3 1/2	3 1/2	3	15 7/16	16 7/16	7 5/16
122	76	450	14	33D	15	5	★ 50 11/16	44 11/16	40 11/16	★ 29 1/8	23 1/8	19 1/8	13	6 1/2	3 1/2	3 1/2	3	15 7/16	16 7/16	7 5/16
122	48	650	14	33D	20	5	★ 52 7/16	46 7/16	42 7/16	★ 29 1/8	28 1/8	19 1/8	13	6 1/2	3 1/2	3 1/2	3	15 7/16	16 7/16	7 5/16
29	0	330	15	11026	3	5	★ 37 1/2	33 1/2	29 1/2	★ 22 3/4	18 3/4	14 3/4	9 3/8	2 1/2	3 1/2	2 7/8	3	11 11/16	11 3/4	7 5/16
38	0	455	15	11026	5	5	★ 38 1/2	34 1/2	30 1/2	★ 22 3/4	18 3/4	14 3/4	9 3/8	2 1/2	3 1/2	2 7/8	3	11 11/16	11 3/4	5 7/8
3450 R.P.M.																				
16	2	22	18	1-P3	1/10	4	19 3/16	16 1/8	14 1/8	10 13/16	7 5/8	5 7/8	5 5/8	1 1/8	6	1	1/2	3 1/2	3 1/2	1 7/8
16	2	22	18	6-P3	* 1/10	2	20	15 1/2	14 3/8	11 1/2	7	5 7/8	5 5/8	—	6	8 3/8	1/2	3 9/16	4 7/16	2 5/8
16	2	22	18	8-P3	* 1/10	3	17 1/8	14 3/8	—	8	5 1/8	—	5 5/8	—	6	6 3/4	1/2	3 9/16	4 7/16	2 5/8
29	0	34	17	9025	1/4	4	20 1/4	17 1/16	15 1/16	10 13/16	7 5/8	5 7/8	5 5/8	1 1/2	6	1	3/4	4 7/16	4 7/16	2 1/4
32	7	75	22	11021	1/2	3	24 7/8	20 7/8	—	13	9	—	6 7/16	2 1/4	2 3/8	2 5/8	1 1/4	6	6 3/8	3 3/8
44	7	43	19	9050	1/2	3	19 1/2	17 15/16	—	9 1/2	5 7/8	—	6 7/16	—	7	7 5/8	3/4	5 1/4	5 13/16	3 1/4
35	0	38	20	UL	1/2	1	23 13/16	17 13/16	—	11 15/16	9 13/16	6 5/16	6 7/16	2 5/8	2 3/8	2 3/8	3/4	5 1/4	6 1/16	3 7/16
38	4	100	22	11021	3/4	5	26 1/16	22 1/16	—	13	9	—	6 7/16	2 1/4	2 3/8	1 5/8	1 1/4	6	6 3/8	3 3/8
59	10	46	19	9050	3/4	3	—	19 1/8	—	—	5 7/8	—	6 7/16	—	7	7 5/8	3/4	5 1/4	5 13/16	3 1/4
52	0	49	20	UL	3/4	1	25	23	19 3/8	11 15/16	9 15/16	6 5/16	6 7/16	2 5/8	2 3/8	2 3/8	3/4	5 1/4	6 1/16	3 7/16
68	3	72	21	UD	3/4	1	27 3/16	24 3/16	—	13 1/8	11 1/8	—	6 7/16	5 3/16	2 3/8	2 3/8	1	6 7/8	8 1/16	5 3/16
62	0	130	26	RL	1 1/2	1	27 3/4	23 3/4	—	14 1/2	10 1/2	—	7 5/16	4 1/2	2 3/8	3	1 1/4	7 1/4	9	5 3/4
57	47	73	24	11023A	1 1/2	5	28 1/8	25 1/8	—	14 7/8	11 7/8	—	7 5/16	2 1/4	2 1/2	1 7/8	1 1/2	8 1/8	8	4 1/8
57	48	45	23	11029	1 1/2	5	25 5/16	22 5/16	—	12 1/16	9 1/16	—	7 5/16	2 1/4	2 1/2	1 13/16	1 1/4	9 3/8	9	4 7/8
115	78	44	26	RL	1	1	28 3/4	24 3/4	—	14 1/2	10 1/2	—	7 5/16	4 1/2	2 3/8	3	1 1/4	7 1/4	9	5 3/4
72	10	155	24	11023A	2	5	★ 29 1/8	26 1/8	—	14 7/8	11 7/8	—	7 5/16	2 1/4	2 1/2	1 7/8	1 1/2	8 1/8	8	4 1/8
72	4	130	23	11029	2	5	26 5/16	23 5/16	—	12 1/16	9 1/16	—	7 5/16	2 1/4	2 1/2	1 13/16	1 1/4	9 3/8	9	4 7/8
115	59	60	26	RL	3	1	29 1/4	25 1/4	—	14 1/2	10 1/2	—	9 3/8	2 1/4	2 3/8	3	1 1/4	7 1/4	9	5 3/4
136	105	42	27	V346	3	1	29	27	—	14 1/4	12 1/4	—	9 3/8	6	2 3/8	3 7/8	1 1/2	9 5/8	11 13/16	7 3/8
72	30	170	24	11023A	3	5	29 5/8	27 5/8	—	14 7/8	11 7/8	—	9 3/8	2 1/4	2 1/2	1 7/8	1 1/2	8 1/8	8	4 1/8
72	0	210	23	11029	3	5	26 13/16	23 13/16	—	12 1/16	9 1/16	—	9 3/8	2 1/4	2 1/2	1 13/16	1 1/4	9 3/8	9	4 7/8
136	18	173	27	V346	5	1	30	28	—	14 1/4	12 1/4	—	9 3/8	6	2 3/8	3 7/8	1 1/2	9 5/8	11 13/16	7 3/8
82	42	205	28	11025	5	5	33 3/8	29 3/8	—	18 5/8	14 5/8	—	9 3/8	2 1/2	3 1/2	2 1/2	2 1/2	9 1/4	9 3/8	4 3/4
102	72	115	29	11029	5	5	27 13/16	24 13/16	—	12 1/16	9 1/16	—	9 3/8	2 1/4	2 1/2	1 13/16	1 1/4	9 3/8	9	4 7/8
88	10	330	28	11025	7 1/2	5	33 3/4	29 3/4	—	18 5/8	14 5/8	—	10 7/8	2 1/2	3 1/2	2 1/2	2 1/2	9 1/4	9 3/8	4 3/4
130	0	235	29	11029	7 1/2	5	28 3/16	25 3/16	—	12 1/16	9 1/16	—	10 7/8	2 1/4	2 1/2	1 13/16	1 1/4	9 3/8	9	4 7/8
68	55	270	31	11026	7 1/2	5	★ 38 7/8	34 7/8	30 7/8	★ 22 3/4	18 3/4	14 3/4	10 7/8	2 1/2	3 1/2	2 7/8	3	11 11/16	11 3/4	5 7/8
79	60	285	31	11026	10	5	★ 40 1/2	36 1/2	32 1/2	★ 22 3/4	18 3/4	14 3/4	10 7/8	2 1/2	3 1/2	2 7/8	3	11 11/16	11 3/4	5 7/8
88	7	560	31	11026	15	5	★ 44	40	36	★ 22 3/4	18 3/4	14 3/4	13	2 1/2	3 1/2	2 7/8	3	11 11/16	11 3/4	5 7/8

Dimensions are for 230/460 V., 60 Cy., 3 Ph. Motors. Dimensions related to Motor may vary with Motor Mfg.. 208/220/440 V., 50/60 Cy. - 220/380 V., 50 Cy., & 550 V., 50/60 Cy. Same dimensions as 230/460 V., 60 Cy. - except Single Phase. ★1/6 H.P. Same Dimensions as 1/10 H.P.
★Bushing Required: Carbon Bushing standard; Tungston Carbide Bushing & Sleeve available for abrasive applications.

Flange Mount Seal Type Pumps

Applications...

Machine Tool Coolant, Swarf, Sludge and Shavings, Oils, Industrial Sump, Transfer .

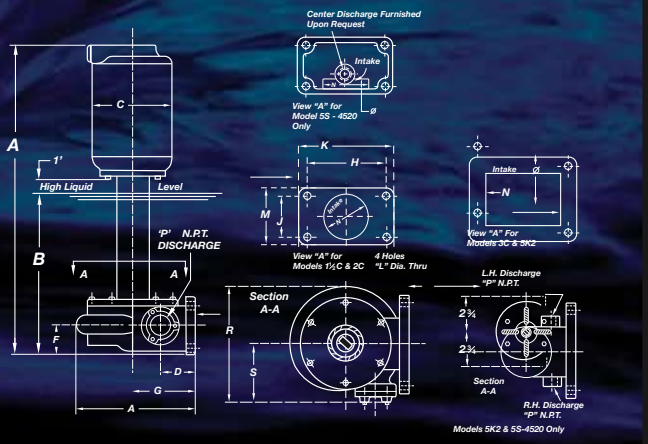
Pump Features..

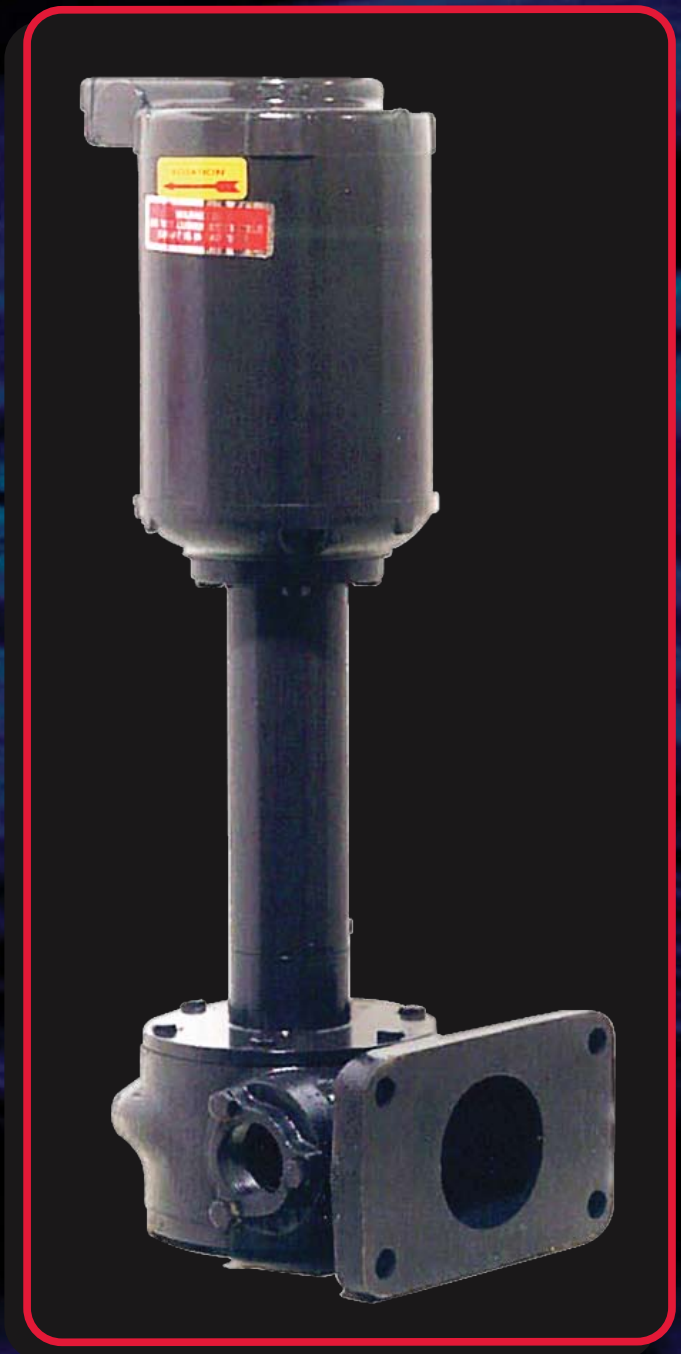
Capacites up to 650 GPM, up to 440' TDH, Offered in both Internal and External Mountings, Dry Running Capabilities on most units some models available in Stainless Steel.

Flange Mounted Gusher pumps are equipped with a self adjusting seal, which makes them ideal for mounting at or below liquid level.

These pumps are normally used in applications where the reservoir is built into the machine base abd where space is an issue.

Flange mounted Gusher pumps can be converted into a pipe inlet type by use of intake adapter plates.





GUSHER FLANGE MOUNTED EXTERNAL DISCHARGE

Flange-Mounted External Discharge GUSHER Pumps are generally used on machine tools with the resevoir built into the base.

The drawing above illustrates R.H. Discharge L.H. discharge (opposite shown) available on request. (Model 3-P3 R. H. discharge, 4-P# L.H. discharge.)

When Ordering Specify: R.H. or L.H. discharge, Model Length (Short, Long, or X-Long), Motor Horsepower, and Current Characteristics.

Flange Mount Seal Type Pumps Technical Data

DIMENSIONS IN INCHES

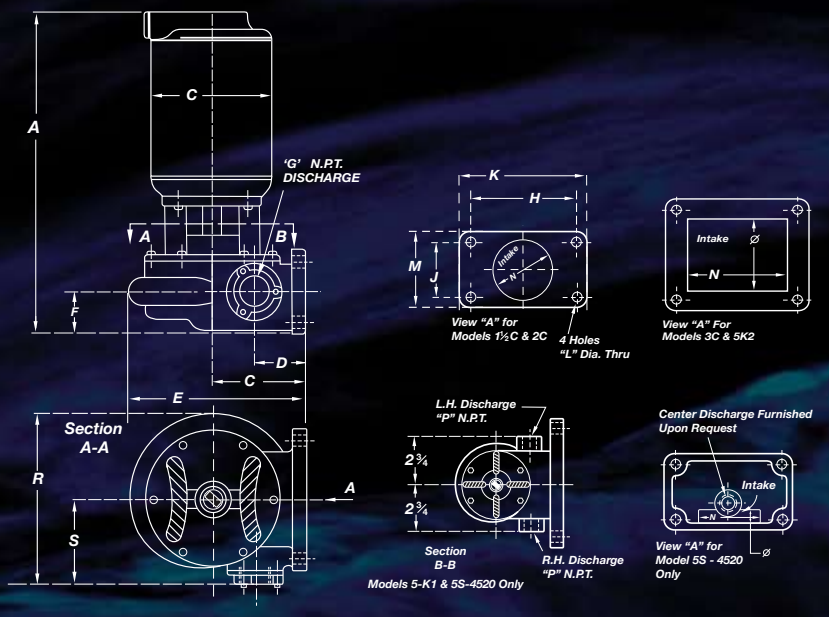
For Extended Models up to 50" (In 1" Increments) Call Gusher 859-824-5001

1725 R.P.M.					A				B			MAX. DIMENSIONS													
MAX. TOTAL HD.	HEAD @ RATED H.P.	G.P.M. @ RATED H.P.	CURVE NO.	MODEL	H.P.	X-LONG	LONG	SHORT	X-LONG	LONG	SHORT	C	D	E	F	G	H	J	K	L	M	N	O	P	R	S
10	2	18	1	9025-K2	1/10	19 3/8	16 3/8	14 3/8	10 3/8	7 3/8	5 3/8	5 5/8	1 3/4	5 5/8	1 3/16	3 1/2	3	1 3/4	3 5/8	17/64	2 3/8	2 3/4	1 5/8	1/2 or 3/4	5 1/2	2 3/4
8	0	15	2	5P-4521	1/10	20 1/4	17 1/4	15 1/4	11 1/4	8 1/4	6 1/4	5 5/8	2	6 7/16	1 5/8	4	6 1/4	3 1/4	7 1/2	9/16	4 1/2	3 5/8	23/32	1/2 or 3/4	4 7/8	2 7/16
19	15	23	2	H-7550	1/4	26 3/4	22 3/4	—	16 3/4	12 3/4	—	6 7/16	2 1/4	9	2	5 3/4	6 1/4	3 1/4	7 1/2	9/16	4 1/2	4 1/4	3/8	1 1/4	6 1/2	3 1/4
14	8	48	9	11022	1/4	21 5/8	19 5/8	—	11 5/8	9 5/8	—	6 7/16	2 3/4	8	2 1/4	5	6 1/4	3 1/4	7 1/2	9/16	4 1/2	3	—	1 1/4	6 3/8	3 3/8
21	17	35	4	11022C	1/4	21 5/8	19 5/8	15 5/8	11 5/8	9 5/8	5 5/8	6 7/16	2 3/4	8 3/4	2 1/4	5	6 1/4	3 1/4	7 1/2	9/16	4 1/2	3	—	1 1/4	6 3/4	3 3/4
19	1	48	2	H-7550	1/3	26 3/4	22 3/4	—	16 3/4	12 3/4	—	6 7/16	2 1/4	9	2	5 3/4	6 1/4	3 1/4	7 1/2	9/16	4 1/2	4 1/4	3/8	1 1/4	6 1/2	3 1/4
14	1	70	4	11022	1/3	21 5/8	19 5/8	—	11 5/8	9 5/8	—	6 7/16	2 3/4	8	2 1/4	5	6 1/4	3 1/4	7 1/2	9/16	4 1/2	3	—	1 1/4	6 3/8	3 3/8
21	2	70	4	11022C	1/3	21 5/8	19 5/8	15 5/8	11 5/8	9 5/8	5 5/8	6 7/16	2 3/4	8 3/4	2 1/4	5	6 1/4	3 1/4	7 1/2	9/16	4 1/2	3	—	1 1/4	6 3/4	3 3/4
32	25	45	5	11022E	1/2	24 1/16	21 1/16	18 1/16	18 5/8	9 5/8	6 5/8	6 7/16	2 3/4	9 1/2	2 1/4	5	6 1/4	3 1/4	7 1/2	9/16	4 1/2	3 1/2	—	1 1/4	9	4 1/2
18	3	100	9	11023B	1/2	27 3/16	24 3/16	21 3/16	15 3/4	12 3/4	9 3/4	6 7/16	2 3/4	9	2 3/4	5	6 3/4	4 1/4	8	9/16	5 1/2	5 1/2	3	1 1/2	8	4 1/8
35	2	100	5	11022E	3/4	23 15/16	20 15/16	17 15/16	12 5/8	9 5/8	6 5/8	6 7/16	2 3/4	9 1/2	2 1/4	5	6 1/4	3 1/4	7 1/2	9/16	4 1/2	3 1/2	—	1 1/4	9	4 1/2
19	4	125	9	11023B	3/4	27 1/16	24 1/16	21 1/16	15 3/4	12 3/4	9 3/4	6 7/16	2 3/4	9	2 3/4	5	6 3/4	4 1/4	8	9/16	5 1/2	5 1/2	3	1 1/2	8	4 1/8
35	2	100	5	11022E	1	25 7/8	22 7/8	19 7/8	12 5/8	9 5/8	6 5/8	7 5/16	2 3/4	9 1/2	2 1/4	5	6 1/4	3 1/4	7 1/2	9/16	4 1/2	3 1/2	—	1 1/4	9	4 1/2
26	23	180	10	11024	1	32 5/8	28 5/8	23 5/8	19 3/8	15 3/8	10 3/8	7 5/16	3 1/4	10 1/4	3 1/4	5 3/4	7 1/4	5 1/4	7 1/2	9/16	6 1/2	6	4	2 1/2	8 1/2	4 7/8
26	14	180	10	11024	1 1/2	33 5/8	29 5/8	24 5/8	19 3/8	15 3/8	10 3/8	7 5/16	3 1/4	10 1/4	3 1/4	5 3/4	7 1/4	5 1/4	7 1/2	9/16	6 1/2	6	4	2 1/2	8 1/2	4 7/8
20	0	160	6	11022K	1&2	36 3/4	23 3/4	—	13 1/4	10 1/2	—	9 13/32	3 1/8	11 7/8	2 1/4	6 3/8	6 1/4	3 1/4	8 1/2	9/16	4 1/2	5 1/2	—	1 1/4	11 1/2	5 5/8
26	5	225	10	11024	2	33 5/8	29 5/8	24 5/8	19 3/8	15 3/8	10 3/8	7 5/16	3 1/4	10 1/4	3 1/4	5 3/4	7 1/4	5 1/4	8 1/2	9/16	6 1/2	6	4	2 1/2	8 1/2	4 7/8
28	5	240	4	11066	2	31 9/16	27 9/16		17 3/8	13 3/8	—	7 5/16	3 3/4	13 1/2	3 5/16	8 5/8	6 1/4	3 1/4	7 1/2	9/16	4 1/2	4 1/4	1 1/2	2	9 1/2	4 3/4
29	0	330	15	11030	3	38 3/8	34 3/8	30 3/8	23 5/8	19 5/8	15 5/8	9 3/8	4	13 1/16	3 3/4	7 1/4	9	6	10 1/2	9/16	7 1/2	7 5/8	4 5/8	3	11 1/16	5 7/8
31	1	260	6	11022K	3	38 1/16	25 1/16	—	13 1/4	10 1/2	—	10 1/8	3 1/8	11 7/8	2 1/4	6 3/8	6 1/4	3 1/4	7 1/2	9/16	4 1/2	5 1/2	—	1 1/4	11 1/16	5 7/8
38	0	455	15	11030	5	39 3/8	35 3/8	31 3/8	23 5/8	19 5/8	15 5/8	9 3/8	4	13 1/16	3 3/4	7 1/4	9	6	10 1/2	9/16	7 1/2	7 5/8	4 5/8	3	11 1/16	5 7/8
3450 R.P.M.																										
16	4	21	18	3-P3 & 4-P3	1/10	19 3/8	16 3/8	14 3/8	10 3/8	7 3/8	5 3/8	5 5/8	1 1/8	3 5/8	6 3/16	3 7/8	3	1 3/4	3 5/8	17/64	2 3/8	2 1/4	1 5/8	1/2	3 5/8	2
23	13	15	17	9-P3	1/10	—	15 13/16	—	—	6 13/16	—	5 5/8	1 7/8	3 5/8	1 1/8	3 1/4	6 1/4	3 1/4	7 1/2	9/16	4 1/2	1 3/4	1 5/8	3/4	5	2 1/2
17	3	20	16	5P-4521	1/10	20 1/4	17 1/4	15 1/4	11 1/4	8 1/4	6 1/4	5 5/8	2	6 7/16	1 5/8	4	6 1/4	3 1/4	7 1/2	9/16	4 1/2	3 5/8	23/32	1/2 or 3/4	4 7/8	2 7/16
29	6	30	17	9025K2	1/4	20 1/4	17 1/4	15 1/4	10 3/8	7 3/8	5 3/8	5 5/8	1 3/4	5 5/8	1 3/16	3 1/2	3	1 3/4	3 5/8	17/64	2 3/8	2 1/4	1 5/8	1/2 or 3/4	5 1/2	2 3/4
26	0	30	16	5P-4521	1/4	20 1/4	17 1/4	15 1/4	11 1/4	8 1/4	6 1/4	5 5/8	2	6 7/16	1 5/8	4	6 1/4	3 1/4	7 1/2	9/16	4 1/2	3 5/8	23/32	1/2 or 3/4	4 7/8	2 7/16
26	4	70	22	11022	1/2	23 1/2	21 1/2	—	11 5/8	9 5/8		6 7/16	2 3/4	8	2 1/4	5	6 1/4	3 1/4	7 1/2	9/16	4 1/2	3	—	1 1/8	6 3/8	3 3/8
28	0	80	25	11022C	1/2	23 1/2	21 1/2	17 1/2	11 5/8	9 5/8	5 5/8	6 7/16	2 3/4	8 3/4	2 1/4	5	6 1/4	3 1/4	7 1/2	9/16	4 1/2	3	—	1 1/4	6 3/4	3 3/4
38	12	73	22	11022	3/4	24 11/16	22 11/16	—	11 5/8	9 5/8	—	6 7/16	2 3/4	8	2 1/4	5	6 1/4	3 1/4	7 1/2	9/16	4 1/2	3	—	1 1/4	6 3/8	3 3/8
42	0	108	25	11022C	3/4	24 11/16	22 11/16	18 11/16	11 5/8	9 5/8	5 5/8	6 7/16	2 3/4	8 3/4	2 1/4	5	6 1/4	3 1/4	7 1/2	9/16	4 1/2	3	—	1 1/4	6 3/4	3 3/4
60	52	42	25	11022C	1	22 15/16	20 15/16	—	11 5/8	9 5/8	5 5/8	7 5/16	2 3/4	8 3/4	2 1/4	5	6 1/4	3 1/4	7 1/2	9/16	4 1/2	3	—	1 1/4	6 3/4	3 3/4
59	48	65	23	11022E	1 1/2	25 7/8	22 7/8	—	12 5/8	9 5/8	—	7 5/16	2 3/4	9 1/2	2 1/4	5	6 1/4	3 1/4	7 1/2	9/16	4 1/2	3 1/2	—	1 1/4	9	4 1/2
58		73	24	11023B	1 1/2	29	26	—	15 3/4	12 3/4	—	7 5/16	2 3/4	9	2 3/4	5	6 1/4	3 1/4	8	9/16	5 1/2	5 1/2	3	1 1/2	8	4 1/8
80	10	117	23	11022E	2	26 7/8	23 7/8	—	12 5/8	9 5/8	—	7 5/16	2 3/4	9 1/2	2 1/4	5	6 1/4	3 1/4	7 1/2	9/16	4 1/2	3 1/2	—	1 1/4	9	4 1/2
70	20	140	24	11023B	2	30	27	—	15 3/4	12 3/4	—	7 5/16	2 3/4	9	2 3/4	5	6 3/4	4 1/4	8	9/16	5 1/2	5 1/2	3	1 1/2	8	4 1/8
80	30	130	23	11022E	3	27 3/8	24 3/8	—	12 5/8	9 5/8	—	7 5/16	2 3/4	9 1/2	2 1/4	5	6 1/4	3 1/4	7 1/2	9/16	4 1/2	3 1/2	—	1 1/4	9	4 1/2
70	35	150	24	11023B	3	30 1/2	27 1/2	—	13 3/4	12 3/4	—	7 5/16	2 3/4	9	2 3/4	5	6 3/4	4 1/4	8	9/16	5 1/2	5 1/2	3	1 1/2	8	4 1/8
110	16	145	30	11022E	5	28 3/8	25 3/8	—	12 5/8	9 5/8	—	9 3/8	2 3/4	9 1/2	2 1/4	5	6 1/4	3 1/4	7 1/2	9/16	4 1/2	3 1/2	—	1 1/4	9	4 1/2
88	37	290	28	11024	5	35 1/8	31 1/8	—	19 3/8	15 3/8	—	9 3/8	3 1/4	10 1/4	3 1/4	5 3/4	7 1/4	3 1/4	8 1/2	9/16	6 1/2	6	4	2 1/2	9 1/2	4 7/8
130	0	200	30	11022E	7 1/2	28 3/4	25 3/4	—	12 5/8	9 5/8	—	10 7/8	2 3/4	9 1/2	2 1/4	5	6 1/4	3 1/4	7 1/2	9/16	4 1/2	3 1/2	—	1 1/4	9	4 1/2
88	8	415	28	11024	7 1/2	35 1/2	31 1/2	—	19 3/8	15 3/8	—	10 7/8	3 1/4	10 1/4	3 1/4	5 3/4	7 1/4	5 1/4	8 1/2	9/16	6 1/2	6	4	2 1/2	8 1/2	4 7/8
68	57	260	31	11030	7 1/2	39 3/4	35 3/4	—	23 5/8	19 5/8	—	10 7/8	4	13 1/16	3 3/4	7 1/4	9	6	10 1/2	9/16	7 1/2	7 5/8	4 5/8	3	11 1/16	5 7/8
76	40	330	31	11030	10	41 3/8	37 3/8	—	23 5/8	19 5/8	—	10 7/8	4	13 1/16	3 3/4	7 1/4	9	6	10 1/2	9/16	7 1/2	7 5/8	4 5/8	3	11 1/16	5 7/8
86	7	575	31	11030	15	44 7/8	40 7/8	—	23 5/8	19 5/8	—	13	4	13 1/16	3 3/4	7 1/4	9	6	10 1/2	9/16	7 1/2	7 5/8	4 5/8	3	11 1/16	5 7/8
23	5	25	17	9-P3	1/4	—	16 11/16	—	—	7 1/16	—	5 5/8	1 7/8	5 1/2	1 5/8	3 1/4	6 1/4	3 1/4	7 1/2	9/16	4 1/2	1 3/4	1 1/8	3/4	5	2 1/2

Flange Mount Seal Type Pumps Dimensions and Capacities

GUSHER- RUMACO FLANGE MOUNTED PUMPS

Flange-Mounted Gusher-Rumaco pumps are equipped with a self adjusting seal, which makes them ideal for mounting at or below liquid level. These pumps are normally used in applications where the resevoir is built into the machine baseand where space is a problem. ***These pumps can be converted into a pipe inlet type by use of the intake adapter plates?***



CAUTION

These pumps should not be operated dry as this will injure the seal. Where excessive amounts of abrasives are present in the liquid to be pumped, we suggest the use of a Gusher vertical type pump.

DIMENSIONS AND CAPACITIES

1725 R.P.M. (Select Pump By Use of the First Three Columns) Dimensions in Inches

MAX. HEAD IN FEET	@ RATED H.P. HD.	@ RATED H.P. GPM	CURVE NO.	MODEL	H.P.	A	C	D	E	F	G	H	J	K	L	M	N	O	P	R	S
18	16	33	34	1½ C	¼	13 7/8	6 7/16	2¾	8¾	2¼	5	6¼	3¼	7½	9/16	4½	3	—	1 or 1¼	7⅜	3⅝
18	11	84	34	1½ C	⅓	13 7/8	6 7/16	2¾	8¾	2¼	5	6¼	3¼	7½	9/16	4½	3	—	1 or 1¼	7⅜	3⅝
17	9	73	35	2C	½	16 15/16	6 7/16	2¾	9½	2¼	5	6¼	3¼	7½	9/16	4½	4½	—	1 or 1¼	9	4½
31	11	83	35	2C	¾	17 15/16	6 7/16	2¾	9½	2¼	5	6¼	3¼	7½	9/16	4½	3½	—	1 or 1¼	9	4½
28	24	90	36	3C	1	21 7/16	7 5/16	3¼	10¼	3¼	5¾	7¼	5¼	8½	9/16	6½	6	4	2½	9 5/16	4⅞
28	15	180	36	3C	1½	21 7/16	7 5/16	3¼	10¼	3¼	5¾	7¼	5¼	8½	9/16	6½	6	4	2½	9 5/16	4⅞
28	4	235	36	3C	2	21 7/16	7 5/16	3¼	10¼	3¼	5¾	7¼	5¼	8½	9/16	6½	6	4	2½	9 5/16	4⅞
9	0	14	32	5S-4520	1/10	11½	5⅝	2	6 7/16	1⅝	4	6¼	3¼	7½	9/16	4½	3⅝	23/32	½ or ¾	4⅞	—
	2	17	32	5K2	1/10	11 3/16	5⅝	1¾	5⅝	1 3/16	3½	3	1¾	3⅝	17/64	2⅜	2¼	1⅝	½ or ¾	4 5/16	—
3450 R.P.M.																					
10	44	20	38	5S-4520	1/10	11½	5⅝	2	6 7/16	1⅝	4	6¼	3¼	7½	9/16	4½	3⅝	23/32	½ or ¾	4⅞	—
10	8	34	41	5S-4520	¼	12⅜	5⅝	2	6 7/16	1⅝	4	6¼	3¼	7½	9/16	4½	3⅝	23/32	½ or ¾	4⅞	—
29	15	24	37	5-K2	¼	12⅛	5⅝	3¾	5⅝	1 3/16	3½	3	1¾	3⅜	17/64	2⅜	2⅛	1⅝	½ or ¾	4 5/16	—
39	20	25	35	5S-4520	½	14 5/16	5⅝	2	6 7/16	1⅝	4	6¼	3¼	7½	9/16	4½	3⅝	23/32	½ or ¾	4⅞	—
32	20	59	37	1½C	½	15¾	6 7/16	2¾	8¾	2¼	5	6¼	3¼	7½	9/16	4½	3	—	1 or 1¼	7⅜	3⅝
42	30	54	37	1½C	¾	16 9/16	6 7/16	2¾	8¾	2¼	5	6¼	3¼	7½	9/16	4½	3	—	1 or 1¼	7⅜	3⅝
42	7	84	37	1½C	1	19⅛	7 5/16	2¾	8¾	2¼	5	6¼	3¼	7½	9/16	4½	3	—	1 or 1¼	7⅜	3⅝
68	46	84	39	2C	1½	18¾	7 5/16	2¾	9½	2¼	5	6¼	3¼	7½	9/16	4½	3½	—	1 or 1¼	9	4½
81	10	130	39	2C	2	19¾	7 5/16	2¾	9½	2¼	5	6¼	3¼	7½	9/16	4½	3½	—	1 or 1¼	9	4½
81	20	145	39	2C	3	20¼	9⅜	2¾	9½	2¼	5	6¼	3¼	7½	9/16	4½	3½	—	1 or 1¼	9	4½
68	62	110	40	3C	3	22 15/16	9⅜	3¼	10¼	3¼	5¾	7¼	5¼	8½	9/16		6	4	2½	9 5/16	4⅞
119	60	160	39	2C	5	20¼	9⅜	2¾	9½	2¼	5	6¼	5¼	7½	9/16	4½	3½	—	1 or 1¼	9	4½
88	39	290	40	3C	5	23 15/16	9⅜	3¼	10¼	3¼	5¾	7¼	5¼	8½	9/16	6½	6	4	2½	9 5/16	4⅞
88	4	415	40	3C	7½	24 5/16	10 7/8	3¼	10¼	3¼	5¾	7¼	5¼	8½	9/16	6½	6	4	2½	9 5/16	4⅞

Dimensions are for 230/460 V., 60 Cy., 3Ph. Motors. Dimensions related to Motor vary with Motor Mfg. 208/220/440 V., 50/60 Cy. -- 220/380 V., 50 Cy., & 550 V., 50/60 Cy. Same dimensions as 230/460 V., 60 Cy. -- except Single Phase.

Above Plate Discharge Coolant Pump

Applications...

Machine Tool Cooling Applications

Pump Features...

Economical
Above Plate Discharge Feature
Rugged Single-Shaft Design
Fits Shallow Sumps
Single Phase or 3 Phase Motors Available
Lightweight Aluminum design

11029 Immersible Type

Applications...

Machine Tool Hydraulic Coolant
High Volume Transfer

Pump Features...

Rugged Cast Iron Construction
High Speed Impeller
One Piece Shaft
Available in Variable Lengths

Low and High Speed Motors Available
in Single Phase or 3 Phase...3/4 to 15hp

Stainless Steel Vertical Immersion Series

Applications...

CNC lathe coolants, grinding machines, Processing centers, heat exchangers, industrial heating equipment, reverse osmosis filtering, golf courses, agriculture, high rise buildings, pools and car washes

Operating Conditions...

Clean, non-explosive liquid without solid grains and fibres. Can be used for conveying water, cooling water solutions and cutting fluids.
Liquid Temperatures:
Normal temperature type : -15 ~ + 70C
Hot water type : + 70 ~ 120C

Pump Features...

Non-self priming multi-stage centrifugal pump installed with standard TEFC motors. The motor shaft is directly connected to the pump shaft through a coupling. According to the requirements, the pump can be equipped with intelligent monitoring, which protects the pump from running dry, phase loss and overloads. In order to meet the requirement of the installation and depth of the water tank and vessel, pumps can be provided with emptybody cavities to change the length oof the pump. The length for the different number of stages are shown in the Size and weight tables for each GMVCP/GMVCPF Series

Motor...

The standard motors are TEFC 2pole, 3450 RPM.
Junction boxes are equipped with terminal strips.
Protection Class: IEC - IP55 TEFC
Insulation Class: F Standard 60 Hz Voltages: 3 220 230/346 - 440V
3 220- 255/380 - 440V
3 220 - 277/380 - 480V
Motors for other voltages can be supplied according to the requirement. Single phase motors with 0.37 ~ 2.2kW are available.

Max. Ambient Temperature...

If the pump operates in ambient temperature conditions higher than 40C, or under altitudes higher than 1000m motor cooling characteristics will be affected, and the motor output power P2 will be decreased to a certain extent. If the pump is operated under the above conditions, larger horsepower ratings will be required.

Machine Tool Tank Units

High Pressure

Gusher manufactures Tank Units specially designed and engineered for use in conjunction with the Gusher multi-stage high-pressure immersion line of pumps, as well as the now available screw pump.

Economy

The Gusher self-priming immersible coolant pump is an exceptional value, shown with the Gusher Tank unit. Pumps are available in 50 hz as well as 60hz, and come with either 1 or 3 phase motors.

Custom Models

Gusher has the ability to manufacture custom machine tool tank units for any unique or challenging coolant and pumping need.

GUSHER® PUMPS

A RUTHMAN COMPANY

www.gusher.com

Gusher Pumps of Dry Ridge
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Fax: 859-824-3011
Web: www.gusher.com

Gusher Pumps of Williamstown
115 Industrial Drive
Williamstown, KY 41097
Phone: 859-824-3100
Fax: 859-824-7248
Web: www.gusher.com

Gusher Pumps of California
8226 Salt Lake Avenue
Cudahy, CA 90201
Phone: 323-773-0847
Fax: 323-773-0958
Email: gusherca@aol.com

Gusher Pumps of New Castle
403 North Ninth Street
New Castle, IN 47362
Phone: 765-529-5624
Fax: 765-521-0008
Email: gusherpump@insightbb.com

Additional Ruthman Company Partners:

BSM Pump Corp.
180 Frenchtown Road
North Kingstown, RI 02852
Phone: 401-471-6350
Fax: 401-471-6370
Web: www.bsmpump.com

Great Lakes Pump & Supply Co.
1075 Naughton
Troy, MI 48083
Phone: 248-528-9100
Fax: 248-528-9015
Web: www.greatlakespump.com

Nagle Pumps
1249 Center Avenue
Chicago Heights, IL 60411
Phone: 708-754-2940
Fax: 708-754-2944
Web: www.naglepumps.com

Process Systems, Inc.
Michigan, Main Headquarters
23633 Pinewood
Warren, MI 48091
Phone: 586-757-5711
Fax: 586-758-6996
Web: www.INFO@psi4pumps.com

Ruthman... Another Word for Innovation

It began in 1912, serving the mechanical components of the steamboats on the Ohio River. The company founder, Alois Ruthman, was a man of vision and saw part of the future of the company was the development of a reliable industrial pump.

In 1924, with the conception of the first ball bearing sealless centrifugal pump, Ruthman Pump and Engineering furthered the design on a unit with a one piece motor driven shaft. The pump was named "Gusher", giving birth to the trade name Gusher Pumps, and the coining of the term "coolant pump".

Wanting to carry on the tradition of quality and reliability started by his father, Thomas R. Ruthman joined the company in 1949. In the early 1990's, Thomas R. Ruthman's son, Thomas G. Ruthman joined the company, continuing this same tradition. Maintaining the reputation of Gusher Pumps by innovation and customer service, Ruthman Companies has grown to service companies worldwide.

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