



KRAISSL QUARTERLY

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THE KRAISSL COMPANY

INCORPORATED

PUMPS-SEPARATORS-ENGINEERING EQUIPMENT

HACKENSACK, NEW JERSEY



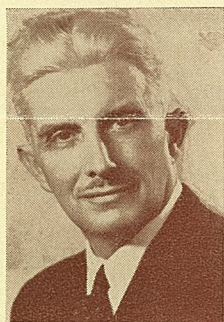
Volume 1

JULY 1958

Number 3

A SALUTE TO CONTRACTORS

FREDERICK KRAISSL, JR., P.E.
President



There has been too little appreciation of the fact that a very important part of our industrial and marine activity is being carried on by contractors. Structures from bridges to skyscrapers are usually the work of

contractors. Heating, ventilating, refrigeration, air-conditioning, water supply, sewage disposal, hospital facilities, new plant equipment and machinery installations are usually furnished by contractors. We have jobbing machine shop contractors and foundry contractors.

Most large vessels are built by marine contractors in the shipbuilding industry and even in the boating industry, custom built boats designed by Naval Architects for the individual owner, result from specific contracts. And, of course, we all know about prime contracts and sub-contracts as defined by the government.

So this issue of Kraissl Quarterly is presented as a tribute to all contractors and specifically to our good friends in both the industrial and marine fields who have been such a large factor in our continued growth.

To us, the contractor is representative of the initiative and courage of the American way of life. He embodies the daring of the adventurer, the optimism of the young in heart, the astuteness of the sage and the willingness to risk his all on his judgment.

He and his associates will tackle almost anything that we want done as individuals, corporations, municipalities, states or by our country. One often wonders how much progress would be made without contractors. I think our purchases would be limited to mass produced items and even then I some how have the feeling contractors would be called upon to install and service many of them.

EDITORIAL OPINIONS

Our editors are the senior officers of the company and this is the opportunity for each of us to express thoughts which we believe can be stated to advantage. It must be emphasized that the opinions expressed are those of the author and not necessarily endorsed by the rest, or the Board of Directors of this Company.

Frederick Kraissl, Jr., P.E. Editor
President

L. E. Mills Associate Editor
Vice-President

A. J. Walter, Jr. Associate Editor
Vice-President

Robert C. Michel, P.E. Associate Editor
Vice-President and Secretary

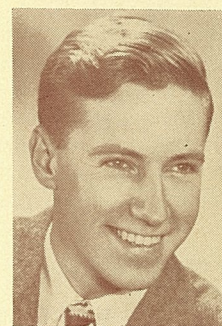
Alice L. Kraissl Associate Editor
Treasurer

Moller Gilbreth Scholarship to some deserving student.

S.W.E. also has an active National Employment Committee and has been able in many instances to bring together the right person and the right job. We welcome listings of available positions in the engineering field, and would emphasize that our membership reflects a representation of all branches of the engineering profession. Communications may be addressed to me, or directly to:

Society of Women Engineers
Engineering Societies Building
11th Floor
29 W. 39th St., New York, N. Y.

A DIFFERENT SLANT ON PROFESSIONALISM



ROBERT C. MICHEL, P.E.
Vice-President

The definition of a professional has been the subject of a great deal of discussion recently, especially in engineering circles. The usual line of thought involves defining in terms of special training of the arts and sciences, personal integrity, skills and experience in specialized lines. Some definitions of a professional even involve exclusion of manual workers as opposed to mental workers.

I would like to submit for your consideration my definition of a professional. To me, the most important criterion for professionalism is the personal attitude of the worker toward his work and his fellowmen. If a person is truly professional, he takes great pride in his work, in serving people, and his greatest compensation is to know that his task was done extremely well and was the best work he was capable of doing.

He is not satisfied only with a satisfactory solution to a problem or the acceptance of his piece of work by another as proven by financial payment. He takes the attitude that nothing is done well enough if it can be done better. There can be no compromise

WOMEN IN ENGINEERING



ALICE L. KRAISSL
Treasurer

How many of you, Good Readers, realize the active part women are taking in engineering today?

Do you know that the Society of Women Engineers, incorporated in the District of Columbia in 1952 as a national professional organization for women engineers, had a membership of nearly 600 in 1956 with nineteen Sections throughout the country and five student Sections at well known engineering schools?

One major effort of S.W.E. is in the field of professional guidance of potential engineers. The various Sections participate in career conferences in their local areas and information on the various fields of engineering, scholarships available and programs offered, is supplied to interested parties. A booklet "Women in Engineering" published by S.W.E. is part of this effort to encourage young women with suitable aptitudes to enter the engineering profession. This year S.W.E. will, for the first time, award its Lillian

with safety; but application, quality, and cost are reconciled in his best efforts.

A professional must satisfy his own craving for a great feeling of accomplishment in serving his fellowmen. If a person has this professional attitude, the conventional qualities that complete the definition of professionalism will follow.

An engineer who has this deep yearning for personal achievement in the betterment of mankind will constantly develop the knowledge, skills, ethics and techniques of engineering.

In fact, I do not believe the term professional must be limited to people only with mental skills. I have known many craftsmen who have taken such pride in their work that they have created objects or services of usefulness to mankind that have far exceeded the accomplishments of many so-called professionals. I likewise have known a number of so-called professionals who have lacked my definition of a professional and who have practiced in a way that has been of little help to mankind. They have practiced solely for the superficial monetary gain they could extract from others, with little or no satisfaction from a job well done.

Every man has a great responsibility to his Maker, and must decide for himself whether or not he has been a success. No two people will evaluate success in the same way. The way that really counts, is how a person judges himself and his own accomplishments. A true professional takes this responsibility very seriously and enjoys greatly the pursuit and fulfillment of his purpose in life.

SALES REPRESENTATIVES

We have listed our sales representatives on the last page. In this issue we are happy to introduce:

JOHN S. STONE

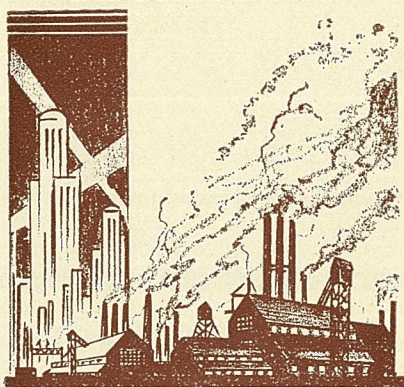


John joined us after an outstanding Army record in Korea. He progressed rapidly in the Engineering Department and became one of the officers of this company. He personally tested and detailed many current models of our products. When a vacancy occurred in the New York Area, he applied for and was granted our Sales Representation.

John is the proud father of a son and daughter and is a member of the American Legion, Disabled American Vets, and St. Peters Episcopal Church of Holcomb, N. Y.

His spare time is taken up by hunting and scale model railroading.

INDUSTRIAL FIELD



OIL BURNING INDUSTRY

CLASS 60 AND 66 SERIES REDUCTION DRIVE PUMPS

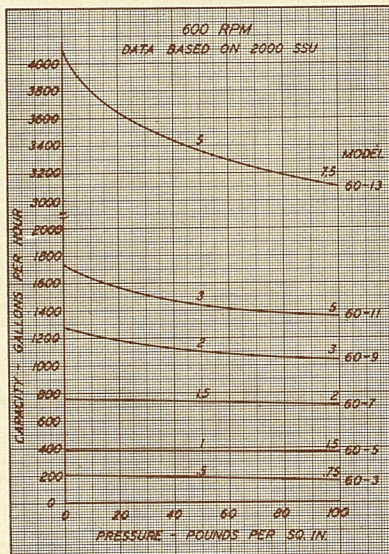
Contractors have been using our Class 60 series reduction drive heavy oil pumps for a great many years running at a speed of approximately 400 rpm when handling No. 6 oil. It should be emphasized that the pump speed is regulated by the viscosity of the oil. For lower viscosity oils, higher speeds can be used.

Our new circular shows characteristics of Class 60 series pumps at 600 and 900 rpm, in addition to the well known 400 rpm application for use with No. 6 oil. In the near future our next circular on the 66 series will present similar information.

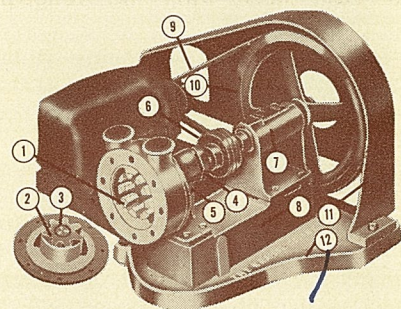
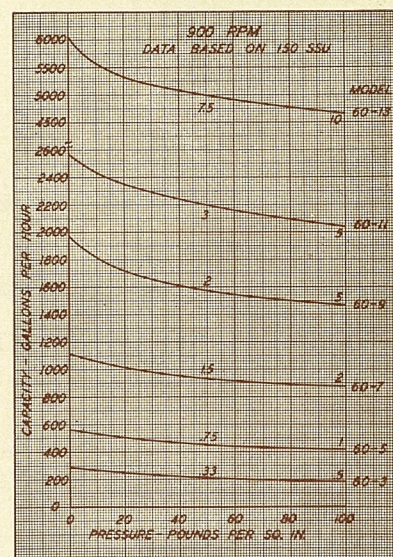
We are including Class 60 series information at 600 and 900 rpm for re-emphasis but you should have our latest circular. Please write for it.

It is our opinion that where speeds below 1200 rpm are indicated, our reduction drive assemblies will be found more practicable and less costly than slow speed motors. Where speeds of 1200 rpm or above are satisfactory, the pumps should be run direct connected to motor.

VISCOSITIES UP TO 2000 S.S.U.



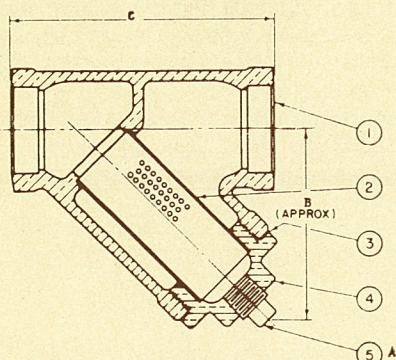
VISCOSITIES UP TO 1000 S.S.U.



FEATURES

1. Internal gear design provides high suction lift characteristics.
2. Hardened idler insures minimum wear.
3. Cap screw closure with steering permits easy access to pump interior.
4. Adjustable stuffing box fitted with return seal and soft packing keeps shaft wear and chances of leakage to a minimum.
5. Interchangeable return seal design allows change of rotation in field.
6. Flexible coupling isolates pump bearing from pulley loads.
7. Rugged ball bearing unit insures bearing alignment and large grease reservoir with provision for relubrication minimizes maintenance.
8. Bearing unit support cast integral with bed plate reduces vulnerability to distortion.
9. Adjustable V belt drive absorbs shock loads and provides quiet operation with low replacement cost.
10. Varied pulley combinations for proper viscosity-speed relationship.
11. Cast iron belt guard protects personnel from exposed moving parts and eliminates chance of bending, denting or sharp edges.
12. Cast iron bed plate with drip collecting bead around edge insures rigid support and minimum chance of bed plate bending or distortion.
13. Pumps are individually tested in accordance with Underwriters' requirements.
14. Approved by the Board of Standards and Appeals for use in New York City under Cal. No. 517-53-SA.

CLASS 71 SERIES Y STRAINERS



Contractors will be interested in our new line of Y strainers. There has been a demand for a superior Y strainer at competitive prices. The Kraissl Class 71 series is manufactured in a 250 pound rating from cast iron, bronze and cast steel with the following features:

1. Ports designed for welded, brazed or screw connections.
2. Adequate straining area for Y design with satisfactorily held screen.
3. Cover or closure cap secures against a gasket and is not a pipe reducing bushing that tightens against a tapered pipe thread.
4. Covers manufactured from casting designed for the purpose and machined with straight threads similar to design approved by U. S. Navy. End section provided with grip for wrench.
5. Plug to secure blow off port when not used for this purpose, optional.

DIMENSIONS CLASS 71Y STRAINERS

Pipe Size	A	B	C	Ratio of Open Area to Pipe Area
3/8	1/8	1 7/8	2 1/8	4.93:1
1/2	1/8	2 1/8	2 13/16	4.52:1
3/4	1/4	2 3/8	3 3/8	4.26:1
1	1/4	3	4 1/8	4.30:1
1 1/4	3/8	3 3/8	4 13/16	3.78:1
1 1/2	1/2	4 3/8	5 3/8	3.91:1
2	3/4	5 3/8	6 3/8	3.93:1
2 1/2	1	6 3/8	7 3/8	4.43:1

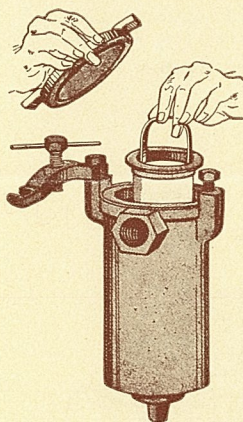
PRICES CLASS 71Y STRAINERS

Cast Iron 250 Pound Series		
CAT. NO.	PIPE SIZE	PRICE
71-1	3/8"	\$ 2.85
71-3	1/2"	2.85
71-5	3/4"	3.20
71-7	1"	4.65
71-9	1 1/4"	7.15
71-11	1 1/2"	7.85
71-13	2"	14.10
71-15	2 1/2"	18.20

Cast Steel 250 Pound Series

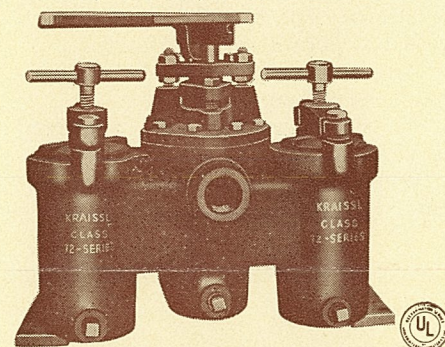
CAT. NO.	PIPE SIZE	PRICE
71-1S	3/8"	\$ 20.25
71-3S	1/2"	20.25
71-5S	3/4"	22.75
71-7S	1"	33.00
71-9S	1 1/4"	50.00
71-11S	1 1/2"	63.50
71-13S	2"	101.00
71-15S	2 1/2"	129.00

CLASS 72 SERIES BASKET SEPARATORS



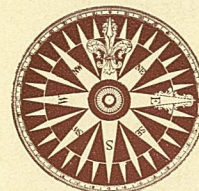
Industrial Contractors are reminded that we have one of the largest lines of diversified Strainers and Filters available. Sizes most frequently required with automatic oil burning installations are listed by Underwriters Laboratories, Inc.

Iron construction separators are authorized for stock in many sizes in standard and high pressure models and are available in Steel, Bronze, Stainless Steel and other alloys. Single Separators are described in Bulletins Nos: A-1882, A-1214, A-1275 and A-1409.



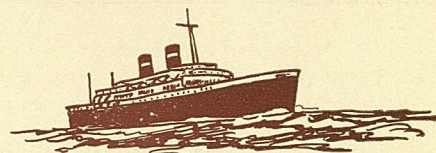
Class 72 Series Screwed Connection Integral Duplex Separators in sizes up to 2 1/2" inclusive are production models at prices made possible by automatic moulding and reflect the tremendous demand for these sizes. If and when the demand justifies, other sizes may be added. Bulletin No. A-1430.

Standard and High Pressure Class 72A or three piece construction Iron and Steel Separators are regularly furnished in larger sizes and flanged models. This construction reduces chance of unequal wall thickness due to core shifts where large castings are involved. It also permits use of dissimilar metals when this is desirable. Please ask for Bulletins Nos.: A-1431, A-1275 and A-1879.



MARINE FIELD

SHIPBUILDING INDUSTRY

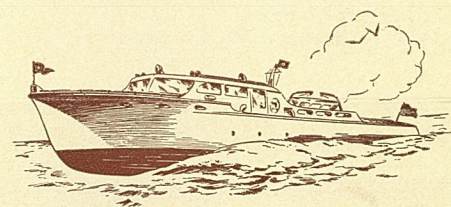


Marine contractors know well and are using our Class 72 Series Single and Duplex Separators for Raw Water, Bilge, Ballast, Fuel and Lubricating Oil service. We are now extending our line by offering our Class 71 Series Y Strainers in Bronze construction. These are of a design intended to be acceptable to the U. S. Navy, U. S. Coast Guard, Naval Architects and Marine Engineers. Where standard 85-5-5-5 Bronze is satisfactory and no special physical, chemical or radiographic tests are required, these strainers are offered at the following prices:

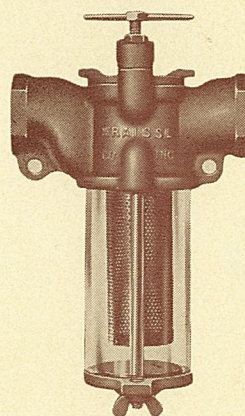
Bronze 250 Pound Series

CAT. NO.	PIPE SIZE	PRICE
71-2	3/8"	\$ 9.15
71-4	1/2"	9.15
71-6	3/4"	10.25
71-8	1"	15.00
71-10	1 1/4"	23.00
71-12	1 1/2"	25.15
71-14	2"	45.15
71-16	2 1/2"	58.25

BOATING INDUSTRY



Class 73 Sea-View Strainers have become so popular that by special request we have added a 3" Single Model as a Duplex 3" Sea View had already been designed and supplied to meet the requirements of Military Craft. These sizes are not listed in current bulletins. If interested please request special drawings.



SALES REPRESENTATION

HOME OFFICE

We have reserved the areas of Connecticut, Delaware, Metropolitan New York, including the Hudson valley, Long Island, New Jersey and eastern Pennsylvania less Philadelphia District for coverage by Kraissl Company personnel.

Northeast Region

Robert Bacon Co.
272 Centre Street, Newton, Mass.
John S. Stone
P. O. Box 127, Holcomb, N. Y.

Eastern Region

Engineering Associates, Div. Trymac, Inc.
16 West 5th St., Erie, Pa.
Shanklin Company
330 East 25th St., Baltimore, Md.
W. H. Titus
401 North Broad St., Philadelphia, Pa.

Southeast Region

L. M. Lee, Jr.
Richmond Federal Bldg., Richmond, Va.
Dillon Supply Company
Raleigh, N. C.
Boiler Supply Company, Inc.
490 Craighead Street, Nashville, Tenn.
2006 Sutherland Ave., Knoxville, Tenn.
Applied Engineering Co., Inc.
P. O. Box 506, Orangeburg, S. C.
Spotswood Parker & Co.
313 Techwood Drive, Atlanta, Ga.
T. W. McCuiston
504 S. W. 69th Ave., Miami, Fla.

North Central Region

Charles R. Davis
2970 W. Grand Blvd., Detroit, Mich.
Hetler Equipment Co.
1904 Clyde Park Ave., S. W.
Grand Rapids, Mich.

Central Region

Wm. G. Taylor
1900 Euclid Bldg., Cleveland, Ohio
Lightfoot Pump & Equipment Co.
1989 Guilford Rd., Columbus, Ohio
The Jordan Engineering Co.
Roselawn Center Bldg., Cincinnati, Ohio
Lowden & Company
3404 N. Harlem St., Chicago, Ill.

A. K. Howell Co.
1001 Bellevue Ave., St. Louis, Mo.

South Central Region

Creole Engineering Co.
130 Harrison Ave., New Orleans, La.
3786 Scenic Highway, Baton Rouge, La.

Northwest Region

Bruce P. Rutherford, Inc.
122 First Ave., S. W., Portland, Oregon
Bruce P. Rutherford, Inc.
1954 First Avenue South, Seattle, Wash.

Western Region

A. C. Cope Co.
435 Bryant Street, San Francisco, Cal.

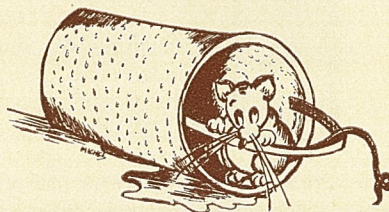
Southwest Region

Walter T. Humes Co.
230 East Anaheim, Wilmington, Cal.
Wagner Hydraulic Equipment Co.
10633 Wellworth Ave., Los Angeles, Cal.

Canada—Ontario and Quebec Provinces

Kirk Equipment Ltd.
1460 Bishop Street
Montreal, Quebec, Canada

FOUND IN THE STRAINER BASKET



The President of a Company had occasion to reprimand an employee for his inefficiency, whereupon the young man proceeded to find fault with the way the president was managing affairs. The head of the company could not permit this effrontery.

"Are you the President of this Company?" he demanded.

"No sir, of course not", answered the young man.

"Well then," thundered the president, "Don't talk like a fool."

A young business executive, also a prospective father was suffering from lumbago. He had heard his wife mention a certain type of anesthesia and decided to discuss the matter with his doctor.

"So what do you think Doc, would this twilight sleep help my back?"

"Sorry, my boy, that is only for labor".

"Well, when is the medical profession going to do something for management?"

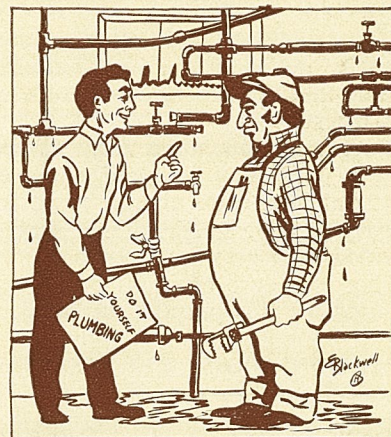
1 1 1

Little Robert had come home from Sunday School and wanted to discuss what he had learned.

"Say, Mom, they taught us in Sunday School that our bodies were made from dust and after we die, they return to dust".

"That's right, Son".

"Well, Mom, you better go upstairs and look under my bed. Someone is either coming or going".



"So all you have to do is make that one connection."

THE KRAISSL COMPANY

INCORPORATED

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