

DEFENSE OF THIS COUNTRY IS MANDATORY

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The Kraissl Company, Inc.*

It is constantly evident to those of us who have our country's welfare as a priority consideration, that there are those who apparently do not have this concern. Why this should be is difficult to understand. Our country was



founded by patriots and presumably perpetuated by patriots. Furthermore, every administrative official of important rank is charged with the common de-

fense and they took their jobs under oath.

Other countries have attempted improvement on our system of government but they have failed, judging by those who are willing to risk their lives to bridge the barriers imposed by their respective governments. For those on the outside, our country represents the best living conditions available in the world. There appears no question that we have better living conditions than elsewhere.

If we have sold ourselves on this fact, we need to muzzle detractors, or export them. There is no room for those who snap, snarl, or decry what has been achieved. Remember the "Man Without a Country". Instead of decriers we need defenders. We launched a caption that represents a point of view that we would like perpetuated. It is FREEDOM INSURANCE. This should appeal to the Insurance Industry. It should be the name of our Defense Budget. There is no security without adequate protection and without protective action, there can be no insurance. Our Military is the stabilizing force behind the INSURANCE INDUSTRY. There are probably billions of dollars invested in insurance all of which would probably be worthless if we are ever conquered.

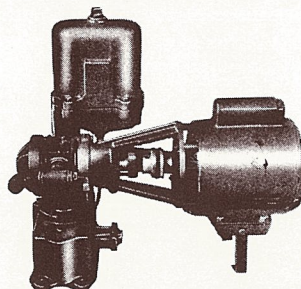
Contracts can be written but everything is dependent on reasonable perpetuation over a period of time and in the words of General Graham, we need to substitute ASSURED EXISTENCE for the terroristic policy of mutual air destruction. We need a policy of Peace thru Strength which is bi-partisan and being endorsed by various groups to give it substance.

The first thing that needs to be done is convert our defensive energies to anti-missile missiles. I am told that we have them, now all we have to do is deploy them. If we can explode missiles coming in before they reach our environment, we remove an incentive on the part of a would be conqueror to make the attempt, as there certainly could be justification for retribution by the use of our Intercontinental Missiles if an attack, even though unsuccessful, were launched against us.

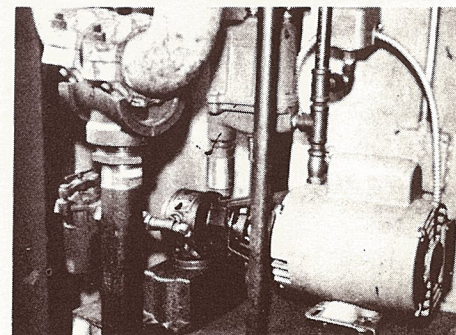
There have been previous attempts at world conquest. The first that comes to mind is the VIKINGS, then ALEXANDER THE GREAT, THE CAESARS, THE HUNS under ATTLA, NAPOLEON, THE KAISER and more recently, HITLER.

Lets try a Policy of Peace thru Competence to Defend Ourselves.

A KRAISSL AIR PUMP IS NOW POWERING OUR SPRINKLER SYSTEM



Our proposal along this line is now a reality. The photograph shows one of our class 25-5F pumps on line in connection with our automatic sprinkler system and has been functioning for a number of months.



For those who are not familiar with automatic sprinkler systems, there is usually required a dry section where freezing can be encountered. This is the application for the air pump. There is a so-called dry valve, that is pressurized by the air pump and this holds back water from the dry section.

When a sprinkler head goes off, the water follows and is available to put out the fire. Consequently air should not be available in such large quantities under pressure that the dry valve is prevented from opening when sprinkler heads call for water. The air pump should be selected of sufficient size to occasionally cut in and build up pressure sufficient to hold the dry valve closed unless and until a sprinkler head opens.

This is one of the great advantages of our class 25-F series direct connected pumps. No air tank is needed with its large capacity under pressure. When air is needed to build up pressure on the line, there is just a minor click when the pump cuts in, and when the pressure is built up, the pressure switch automatically stops the pump.

Our system, as stated had sufficient capacity to be activated by the 25-5F size. The indicated table shows sizes that are available. There should be one to meet most requirements.

SIZES AND CAPACITIES

Nominal Free Displacement
Cubic Feet/Min—1800 RPM

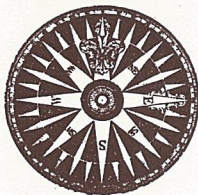
Pump Size	CFM 1800 RPM	Pump Size	CFM 1800 RPM
25-5	3½	25-6A	6
25-6	5	25-6B	9

The longevity of Kraissl air pumps is due to our forced feed system of sealing and lubrication from the built in oil reservoir which is an integral part of the pumps.

Automatic sprinkler companies may find it to their advantage to contact us.

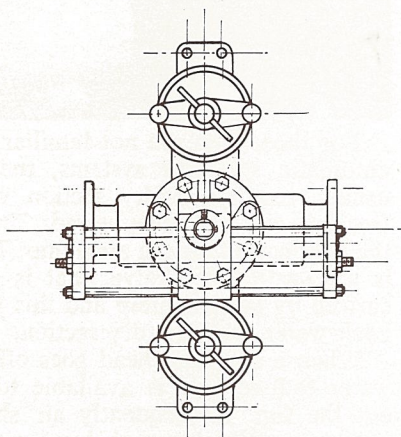


INDUSTRIAL AND MARINE FIELD



KRAISSL ACTUATOR CONTROLLED DUPLEX SEPARATORS

TOP VIEW



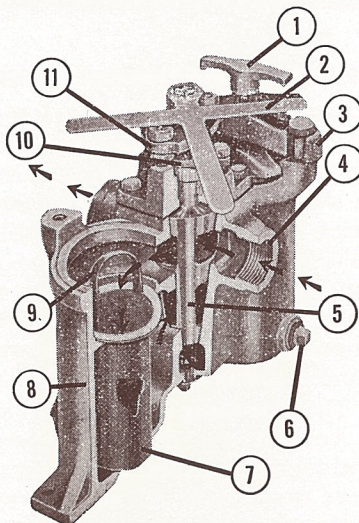
As most of our customers know, we have spent considerable time, effort and advertising funds to establish the word separator to include barrier separators which place a barrier between incoming and exit fluids with the purpose of separating undesirable impurities by means of the barrier from the exit fluid which may be either a liquid or a gas.

If the barrier is of fine separating material, we define the unit as a filter, if of coarse separating media, we term it a strainer. For the purposes of manufacturing nomenclature, we use perforated metal as the limit of strainer elements. Up to the present we are able to supply strainer baskets from perforated metal down to 1/64" in brass and 1/32" perforation in stainless steel and monel. Where finer separation is required, we supply fine mesh screen supported by a perforated metal backing to provide a reinforcement. All of our duplex separators are furnished with our double element baskets as standard which provide between 30 to 50% more separating area depending upon size so that the intervals between cleaning operations is extended by this amount, greatly reducing maintenance costs.

However, there comes a time when separator elements need cleaning and

this is the function and justification of the duplex unit. With the simple movement of the control lever, the flow can be directed into the standby duplicate side body with separator element in readiness for functioning.

COMPONENTS OF MANUALLY
OPERATED DUPLEX SEPARATOR



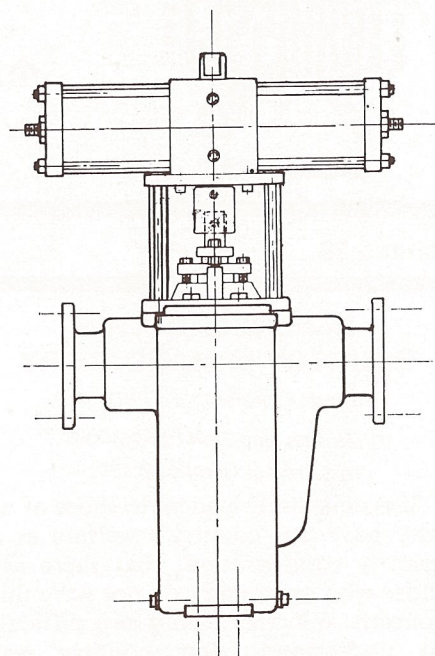
FEATURES

1. Hand screw requires no special tools.
2. Handle shields side in use.
3. Accessible closure for easy basket cleaning.
4. Continuous separation is provided without flow interruption even during changeover.
5. Tapered, anti-wedging valve plug.
6. Drain connections on each basket chamber.
7. Interchangeable low cost baskets.
8. Assembled bodies tested under pressure in accordance with Underwriters' specifications.
9. Spring handle holds basket on seat.
10. Independent stuffing box gland.
11. Adjustable locking flange establishes valve clearance.

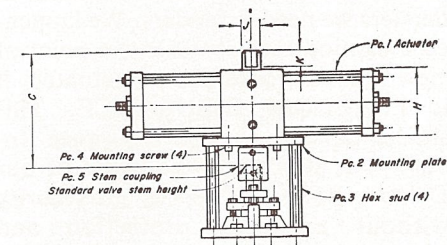
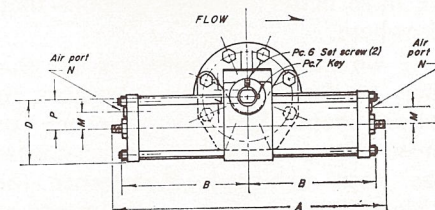
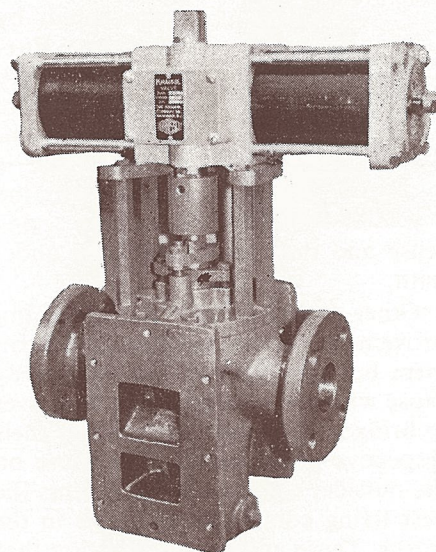
Up to the present, it was necessary to manually shift this control lever. In line with modernized trends toward automation, we have made provision for compressed air controlled actuators as indicated in the assembly drawing and the inset showing an enlarged view of the actuator mounted on the valve center section.

These actuators can be controlled by increased pressure drop which is another name for the build up of resistance to flow through the separator elements. An arbitrary standard can be selected for a pressure drop at which the lever will shift from the side in operation to the standby unit. At the same time a light can light or a bell ring so that the maintenance operator will know that it is time to clean the element from which the flow has been shifted.

SIDE VIEW MOUNTED ON
CLASS 72 INTEGRAL DUPLEX



MOUNTED ON CENTER SECTION
OF CLASS 72A THREE PIECE
DUPLEX SEPARATOR



Normally the plant compressed air system can be utilized but if a special instrument system is needed perhaps one of our rotary units will meet the requirements.

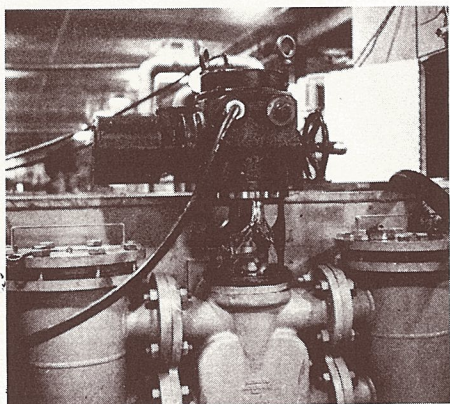
ELECTRIC VALVE AND STRAINER ACTUATION

We have had calls for actuators for our duplex three-way transfer valves and strainers where customers want to control these units remotely or automatically. Until recently, the only actuators adapted to use with our equipment were pneumatically actuated and these continue to be available either with or without a control package. However, there may be times when complete electrical actuation may be desirable or preferred.

Our drawing B3647 shows the Limitorque PB-2A actuator mounted on a Kraissl valve cover assembly in place of the standard manually operated valve handle. We can supply an adaptor plate with spacer studs that replace standard valve cover cap screws and permit standard, manually operated, valves to be easily adapted to electric actuator operation. There is no need to change standard valve stems or other valve cover super structure parts.

Electric operation can be provided for both one phase and three phase operation in various enclosures from weatherproof to explosion proof. Manual override is standard by means of a square nut drive on the side of the actuator. An optional hand wheel is also available. Automatic operation in conjunction with a pressure differential switch can provide automatic switching from one filter assembly or basket to the clean side when a preset pressure differential builds up as the unit in use becomes dirty. Remote indicators can be utilized to alert operators to come and clean the dirty element.

Remote manual operation can also be facilitated with an actuator. Sometimes the valve or strainer must be located in a position that requires operation at a distance. An actuator may be the preferred solution instead of an extended shaft or cumbersome mechanical linkage. This will let you know that we are continuously providing versatility of our products.

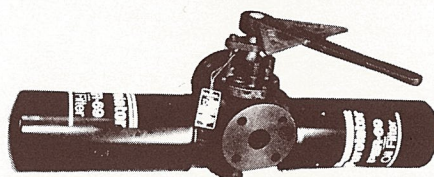


THE CLASS 72-37ACF VALVE FILTER ASSEMBLY

U.S. PATENT NO. 3,567,181

Repetition has been accepted as a desirable form of emphasis. In our July 1982 Issue we notified those interested of the availability of our valve that accommodates industrial type canisters so that one side can be serviced while the other is in operation.

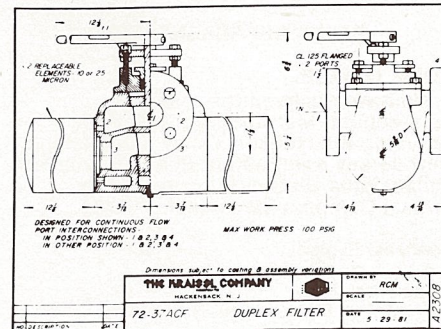
It seems to us that this announcement can accept more emphasis by repetition. There are changes in departmental procedures even over a three months period and new names appear on our mailing list. Perhaps the individual that might be interested was not contacted, and just maybe he or she was on vacation and did not see the announcement.



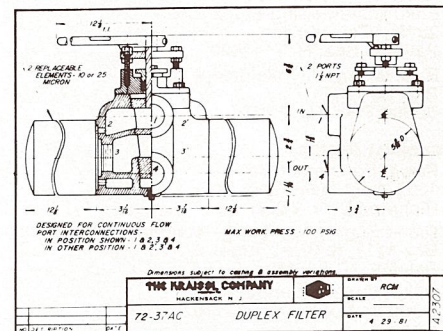
We have long felt that there was a need for a combination valve filter assembly that would make use of a Kraissl Class 72 Valve with provision for assembling a pair of standard commercial filter units not too different from the type of oil filters that we authorize service stations to install on our automobiles at periodic times after oil changes, only much larger.

Hopefully, this will be done when the period of recommended service has been reached so there will always be a fresh unit ready to function if urgently needed.

It will be noted that we are offering an assembly with 1½" ports. This is considered an intermediate size that may meet a large number of requirements but we can foresee that other sizes will be needed. We expect to work closely with the canister manufacturers to develop some guide lines for service intervals. Obviously, a very dirty liquid will impose a shorter life in service than one that is relatively clean. These first assemblies will be offered for oil but again, we will be guided by the canister manufacturers. The fact that we wish to emphasize is that, as always, we will be working for our customers to satisfy your needs. Your comments and suggestions are vital considerations and are earnestly solicited. Our motivation is to supply a less expensive means of obtaining a satisfactory oil supply for applicable services.



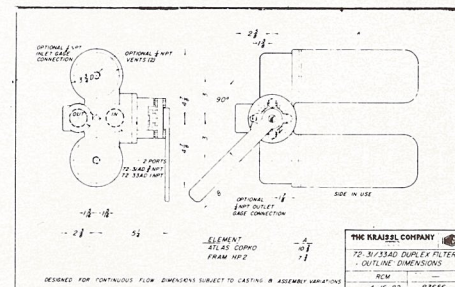
We now show these as complete units with canisters but not limited to it as long as the alternate is interchangeable. It will be also noted that these are available with threaded connections as shown in the second drawing.



We also show in the third drawing a unit that accommodates vertical canisters of the two models identified but will do the same with interchangeable canisters.

We have carefully refrained from stipulating the number of hours service as this may be changed by the manufacturers of the filter canisters and will be a function of the amount of extraneous matter that must be removed. We will take no responsibility for the degree of filtration supplied, leaving this entirely to the filter manufacturers permitting the canisters to be employed by the procedure recommended by the manufacturer who has been supplying them as single units.

Our contribution is that we are making available a means for duplexing them.



This should supply a convenient duplex assembly, so the one in service is functioning while the alternate is being replaced.

SALES REPRESENTATION

HOME OFFICE

We have reserved the areas of Connecticut, 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

Boston-Cooper Corp.
Manor Parkway
Salem Ind. Pkwy, Salem, N.H. 03079
Capt. C. V. Watson
Maiden Cove Lane
Cape Elizabeth, Maine 04107

Eastern Region

Filtration Unlimited
Buffalo & John Streets
Akron, N. Y. 14001
Jobe & Co., Inc.
1815 Edison Hwy.
Baltimore, Md. 21213
Daily Associates
8 E. Mt. Vernon Ave.
Haddonfield, N. J. 08033
Fluid Conditioning Equip. Co.
28 Van Tassel Lane
Ballston Spa, N. Y. 12020
R. C. White, Div. Weldment Corp.
P.O. Box 267
Bethel Park, Pa. 15102

Southeast Region

Power Equipment Co.
1307 West Main Main St.
Richmond, Va. 23201
Dillon Supply Company—Main Office
Box 1111, S. West Street
Raleigh, N. C. 27602
Dillon Supply Company
Durham, No. Carolina 27702
Dillon Supply Company
Rocky Mt., No. Carolina 27801
Dillon Supply Company
Goldsboro, No. Carolina 27530
Dillon Supply Company
Charlotte, No. Carolina 28201

Boiler Supply Company
P.O. Box 40225
Nashville, Tenn. 37204
601 Van St., N.W.
Knoxville, Tenn. 37921
Applied Engineering Co., Inc.
P.O. Box 1327
Orangeburg, S.C. 29115
W. T. Meyer Co.
5800 Coach Gate Wynde
Louisville, KY. 40207
Spotswood Parker & Co.
721 Miami Cir. NE, Atlanta, Ga. 30324
Proctor-Himic Co., Inc.
P. O. Box 36279
Birmingham, Alabama 35226
R.A. Litkenhaus & Assoc., Inc.
P.O. Box 16323
7825 Baymeadows Way, Suite 106B
Jacksonville, Florida 32216
Phone: (904) 373-3536
Florida Filters, Inc.
P.O. Box 370985
Buena Vista Station
Miami, Florida 33137
Florida Filters, Inc.
223 S. 13th St.
Tampa, Florida 33602

North Central Region

Comb & Groves, Inc.
336 W. Eight Mile Rd.
Ferndale, Mich. 48220
Gillhespy Sales and Service, Inc.
532 Grandville Ave. S.W.
Grand Rapids, Mich. 49503
Phone (616) 459-0125

Central Region

M. Huffman Sales Co.
3404 Upton Ave.
Toledo, Ohio 43613
The Jordan Engineering Co.
P. O. Box 30017
Cincinnati, Ohio 45230
T. A. Heidenreich Co., Inc.
2525 E. 54th Street
Indianapolis, Ind. 46220
Tobra Engineering Co.
5438 Milwaukee Ave.
Chicago, Illinois 60630
A. K. Howell Co.
7603 Forsythe Ave.
St. Louis, Mo. 63105
Filtr Tech Systems
8535 Duluth St.
Golden Valley, MN 55427

South Central Region

Creole Engineering Co.
P.O. Box 23159, Harahan, La. 70183
Creole Engineering Co.
11724 Industriplex Blvd.
Baton Rouge, La. 70809

Jack Tyler Engineering Co.
6112 Patterson Ave.
Little Rock, Ark. 72209
Albert Sterling & Assoc., Inc.
1513 Winsome Lane
Houston, Texas 77057

Northwest Region

Baxter-Rutherford Inc.
P.O. Box 24324
911 South Homer Street
Seattle, Washington 98134

Western Region

Jay Besore & Assoc.
1690 Plymouth St.
Mountain View, Cal. 94043
Power Engineering Co.
P. O. Box 1777
Salt Lake City, Utah 84110
Killam Gas Burner Co.
1240 S. Bannock St.
Denver, Colorado 80223

Southwest Region

Wagner Hydraulic Equip. Co.
2089 Westwood Blvd.
Los Angeles, California 90025
Engineered Sales Company
5150 N. 16th Suite C-156
Phoenix, Arizona 85016
Phil-Lin Associates, Inc.
13344 Camino Del Norte
Albuquerque, New Mexico 87123

Canada—Ontario and Quebec Provinces

Kirk Equipment Ltd.
7435 Chester Ave., Suite 2
Montreal, Quebec, Canada H4V1M4
Kirk Equipment, Ltd.
1885 Wilson Ave., Suite 206
Weston, Toronto, Ontario, Canada M3H 1T9

Canada—British Columbia Province

Les Hall Filter Service Ltd.
346 E. Esplanade
North Vancouver, B.C. V7L 1A4

Canada—Alberta Province

H.F. Clarke Limited
5220-1A Street S. E.
Calgary, Alberta, Canada T2H 1J1

Hawaii

Foster Equipment Co.
P. O. Box 30188
Honolulu, Hawaii 96820

Mexico

Ingenieria Termo Industrial, S.A.
Iztaccihuatl No. 63, Col. FI
Delegacion A. Obregon
Mexico, D. F. Mexico 01030



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