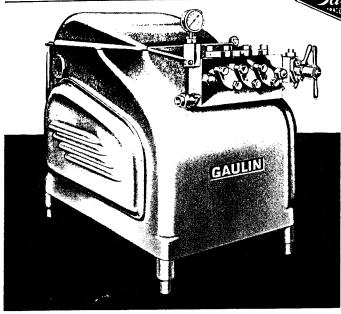
MANTON-GAULIN MANUFACTURING COMPANY, INC.

44 Garden St., Everett 49, Mass.



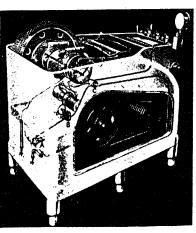
1250-2500 Gallon Gaulin

Belt Drive and Motor Mounting Similar on 75-2500 Gallon

VEE BELT DRIVE

Electric motor is located in machine base for maximum protection to motor and plant personnel. Rocker arm type mounting permits easy adjustment of belt tension and insures permanent true alignment and longer life for the multiple vee belt drive.

It is only a five minute job to remove the aluminum alloy top cover and belt guard, exposing the entire driving mechanism for inspection. All drives are figured with a high safety factor and unless allowed to run loose, should last the lifetime of the machine.



Olling System

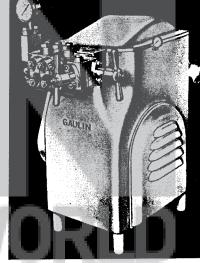
The New MODEL K Gaulin

Manton-Gaulin Two-Stage Homogenizers for the Dairy Industry. Sanitary High Pressure Pumps for Spray Drying.

The Gaulin Homogenizer represents the result of over fifty years of experience in the design and manufacture of sanitary Homogenizers for the Dairy Industry. Built to the highest standards of quality, Gaulins process more gallons per homogenizing dollar. All materials are of highest quality, and the entire machine, with the exception of the motor and vee belt drive is built complete at our factory to exact specifications and tolerances. Almost uniform speed throughout entire range of machines is made possible by the several machine sizes and use of larger plungers for increased capacity.

Increased public demand for homogenized milk has created a vital need for a machine suited to the requirements of smaller dairies.

The smaller frame size Model K Gaulin pictured here with cylinder assembly exactly the same as on the larger sizes makes it possible for every processor to own a homogenizer identical in qual-



ity of materials and workmanship and same high efficiency identified with the larger machines used in metropolitan plants.

LUBRICATION

Every bearing surface in the Gaulin floats on a pressure cushion of oil maintained by positive pump, geared directly to the drive shaft. Oil under pressure is pumped to the drive shaft and eccentric shaft bearings. From the eccentric shaft end bearing, the oil is forced through a hole bored through the center of the eccentric shaft and up to the connecting rod bearings. Oil is pumped also to the crosshead coverplate and forced down to the crosshead and wristpin bearings.

De-humidifying system forces strong air stream from motor compartment through oil chamber. Prevents dilution of oil from condensation and is standard on sizes 300 GPH and up.

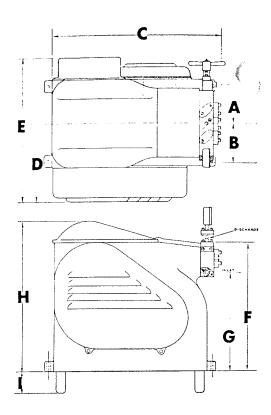
Safety switch to stop the machine if oil pressure drops is optional on all models at small extra cost.

MANTON-GAULIN TWO-STAGE MODEL K HOMOGENIZER SPECIFICATIONS

DIMENSIONS

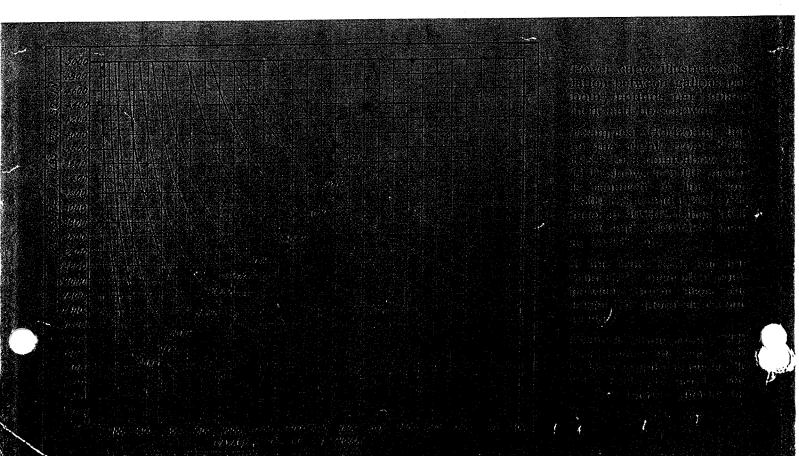
Frame Size	Cap. Gals. Per Hr.	A	В	С	D	E	F	G	Н	I	Weight Approx.
кз	75 to 300	7"	8"	33"	15"	29"	34"	271/4"	371/4″	5″	1500 lbs.
К6	300 to 700	10"	111/2"	45"	21"	39″	341/2"	28"	411/2"	6''	3400 lbs.
K12	500 to 1200	11"	121/2"	53"	241/2"	47"	39"	30½"	451/2"	6"	5200 lbs.
K24	1250 to 2500	13"	15"	70"	231/2"	521/2"	421/2"	331/2"	53″	71/2′′	9100 lbs.

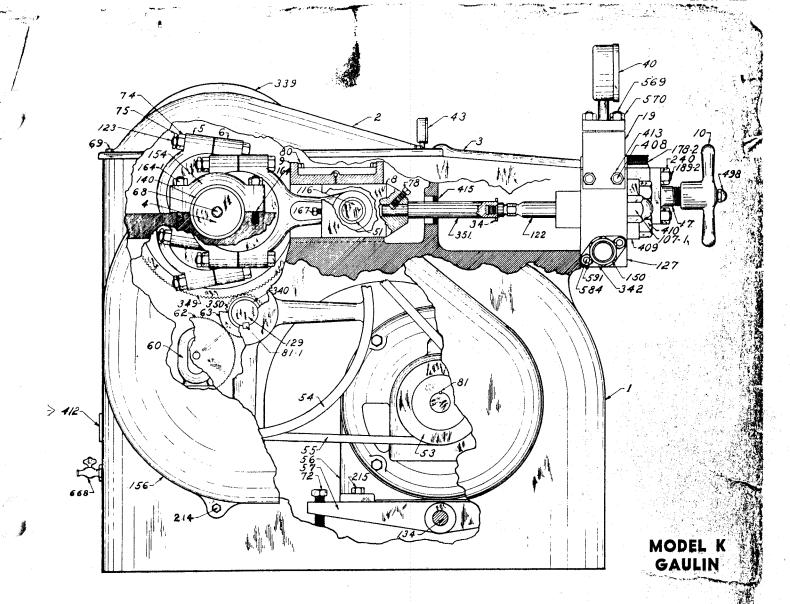
Note: Lug extends $2\frac{1}{2}$ " beyond base. Cast lug base optional.



Capacity of the Manton-Gaulin Homogenizer may be set to match the pounds per hour capacity of the Filler, Cooler or H.T.S.T. Pasteurizer in the plant within the capacity range of the homogenizer frame size.

When immediate homogenizer requirements fall between any two capacities shown on price page, it is usually advisable to order the machine of larger capacity but with speed reduced to meet present need; this consideration would provide the purchaser with reserve homogenizing capacity to meet a proportionate increase in his sale of homogenized milk.





Part numbers are the same on all Gaulin production sizes. The location is the same in most instances. There should not be any difficulty therefore in determining the part number and name from this illustration for any model K Gaulin.

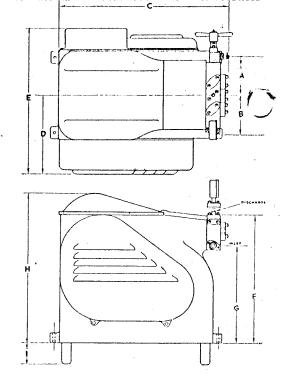
1	Base	75	Connecting rod check nut	214	Belt Guard Cap Screw
. 2	Base Cover	78	Plunger adapter set screw	215	Motor Cap Screw
2-1	Base Cover Gasket	80	Crosshead cover cap screw	225	Discharge Nut
3	Well Cover	90	Base door	226	Discharge Gland — Ferrule
4	Eccentric shaft	107	Cylinder stud	*234	Oil Cooler
5	Back connecting rod strap	107-1	Cylinder Stud Nut	†236	Oil Filter
6	Front connecting rod strap	116	Wrist Pin	240	Valve Body Stud Nut
8	Crosshead	122	Plunger	339	Gear Case
9	Crosshead Guide Cover	123	Connecting Rod Bolt	340	Drive Shaft Bushing
10	Handwheel	127	Cylinder	341	Gear Case Gasket
13	Drive shaft oil plate	129	Drive Shaft	342	Cylinder Inlet Connection
13-1	Ecc. shaft cover plate	133	Drive Shaft Oil Plate	342-1	
17	Handwheel Support		Gasket	349	Herringbone Gear
19	Gauge Block	133-1	Ecc. Shaft Cover Plate	350	Herringbone Pinion
34	Water drip ring		Gasket	351	Plunger Adapter
40	Pressure Gauge	134	Motor Rail Shaft	367	Gear Case Screw
43	Oil pressure Gauge	140	Ecc. Shaft Bearing	408	Gauge Block Stud
51	Wrist pin Bushing	147	Strainer	409	Front Cylinder Cap
53	Driving sheave	150	Inlet Conn. Nut	410	Front Cylinder Bolt
54	Driven sheave	154	Bearing Cap	412	Oil Level Gauge
55	Vee Belts	156	Belt Guard	413	Gauge Block Stud Nut
56	Motor	164	Bearing Cap Stud	415	Baffle Seal
57	Motor adj. rail	164-1	Bearing Cap Stud Nut	465	Valve Removing Tool
60	Oil Pump	166	Conn. Rod Shim	498	Valve Rod Cap Nut
62	Oil Pump Driven Gear	178-1	First Stage Valve Body	569	Gauge Stud
63	Oil pump driving Gear	178-2	Second Stage Valve Body	570	Gauge Stud Nut
68	Ecc. shaft pipe plug	189-1	First Stage Valve Body Stud	584	Cyl, Inlet Stud
72	Motor adj. screw	189-2	Second Stage Valve Body	591	Cyl. Inlet Stud Nut
74	Connecting rod bolt nuts		Stud	612	Motor Adj. Rail Bushing
	그 사람들은 기가 살아왔다.				on 650 K and UP
				† Used	on 1250 K and UP

MANTON-GAULIN TWO-STAGE MODEL K HOMOGENIZER SPECIFICATIONS

DIMENSIONS

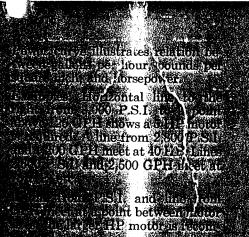
Frame Size	Cap. Gals. Per Hr.	A	В	C	D	E	F	G	Н	1	Weight Approx.
кз	75 to 300	7"	8"	33"	15"	29"	34"	271/4"	371/4"	5″	1500 lbs.
К6	300 to 700	10"	111/2"	45"	21"	39"	341/2"	28"	411/2"	6"	3400 lbs.
K12	500 to 1200	11"	121/2"	53"	241/2"	47"	39"	301/2"	451/2"	6"	5200 lbs.
K24	1250 to 2500	13"	15"	70"	231/2"	521/2"	421/2"	331/2"	53″	71/2"	9100 lbs.

Note: Lug extends $2^{1}/2^{\prime\prime}$ beyond base. Cast lug base optional.

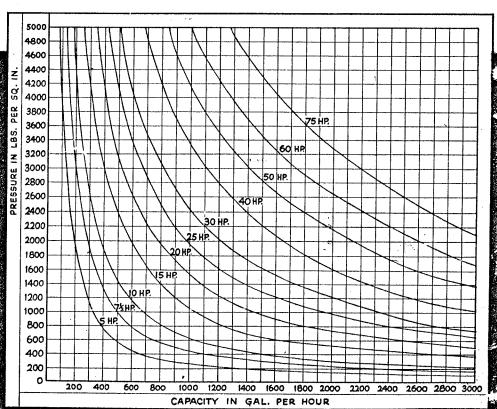


Capacity of the Manton-Gaulin Homogenizer may be set to match the pounds per hour capacity of the Filler, Cooler or H.T.S.T. Pasteurizer in the plant within the capacity range of the homogenizer frame size.

When immediate homogenizer requirements fall between any two capacities shown on price page, it is usually advisable to order the machine of larger capacity but with speed reduced to meet present need; this consideration would provide the purchaser with reserve homogenizing capacity to meet a proportionate increase in his sale of homogenized milk.



Loom Section 15000 (574 ive 1500 HP this ive 150 HP this





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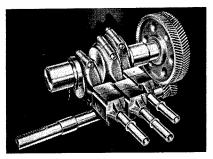
Drive Assembly

DRIVE ASSEMBLY

Wide bearing surfaces of the rugged connecting rods are lined with high grade babbitt metal to reduce friction to a minimum. Adjustment for wear is made easy by .001" laminated shims. Bronze bearing is provided to reduce wear on hardened steel wristpin. Crossheads of closegrained semi-steel are accurately machined for true alignment. Plunger adapter has trued shoulder rigidly held in position against the crosshead.

Adapter passes through a safety seal to keep oil in and water out of oil chamber. Water drip rings are provided to prevent water from creeping back from the plungers.

ECCENTRIC ASSEMBLY



Eccentric Assembly

Cam shaft is single piece steel forging machined to precision tolerance. All parts are extraheavy for strength and permanent alignment to withstand the hard usage and

severe conditions often encountered in milk plants.

Long, large diameter bronze-alloy sleeve-type bearings on drive shaft and cam shaft to provide a rugged foundation for the moving parts of the machine and insurance against corrosion.

Self-aligning herringbone-type steel gear and pinion insures even pressure on each gear tooth at every point of rotation, guarantees smooth, quiet, vibrationless operation and long life durability.



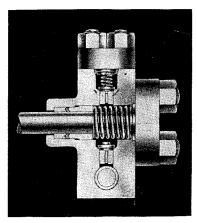
Exploded View of Packing Assembly

PACKING ASSEMBLY

Nylon packing rings and packing follower rings eliminate erosive pitting and mechanical seizure. Inert non-contaminating, withstands high pressure and temperature for steam or chemical sterilization. These nylon rings are a combination of chemical, electrical, thermal and mechanical properties not found in any other single material. Resiliency of nylon adds immeasurably to plunger seal life. Assembly is held in place by a stainless steel, open-ended spring, pre-set to proper tension to hold the packing securely in place.

Specially compounded synthetic rubber plunger seals now used in conjunction with nylon rings and Manton-Gaulin fully automatic, self-adjusting packing assembly, prolongs plunger seal life and provides the finest sanitary packing known today at the lowest cost.

CYLINDER CONSTRUCTION



Cylinder Construction

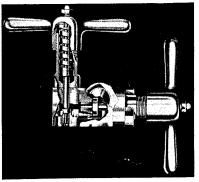
The cylinder construction of the GAULIN HO-MOGENIZER is the most sanitary yet developed. A single piece forging of 18-8 stainless steel forged to shape and machined to precision tolerances. All fittings and parts are interchangeable. Tapered front and top cylinder cap bosses and bev-

eled cylinder ports* insure positive, guided fit for quicker and easier assembly. Tightening is practically effortless. Specially compounded rubber gaskets ("O" ring type on cylinder caps, flat type on all other fittings) are non-absorbent and sanitary for re-use. No gasket counterbores in cylinder, all hard to clean recesses are completely eliminated.

*Patent applied for.

TWO-STAGE VALVE

The MANTON-GAULIN famous Two-Stage Homogenizing Valve is the result of years of continuous research and development. Invented and perfected by the Manton-Gaulin Manufacturing Company, it is the most efficient homogenizing device yet developed and is standard on all Manton-Gaulin Homogenizers. Sanitary stellite homogenizing valves and valve seats homogenize finer, stay accurate longer, process more product gallons per operating dollar.



Two Stage Valve

1. LEVELING MACHINE

Units furnished with adjustable legs (4 or 6, depending on frame size) or cast lug base.

- a. Adjustable threaded legs approximately $1\frac{1}{2}$ " of adjustment per leg. To prevent rust, cover threaded portion of leg with paste of flake graphite and oil.
- b. Cast lug base set machine on prepared foundation and level, using shims as needed, bolt securely to foundation bolts.

Standard Engineering practice should be followed in the installation and alignment of external drive.

2. LUBRICATION (Oil)

Oil was drained from crankcase after run-in period at plant. Clean and flush crankcase upon receipt of machine. Fill crankcase to visual oil gauge (#412) level with specified oil. After the machine has been operated it will be noted the oil level drops. This drop in level corresponds to the amount of oil required to fill the oil lubrication system. Add additional oil to proper level. Oil pressure gauge (#43) should indicate a pressure between 10-40 P.S.I. There is a relief valve on discharge side of the oil pump (#60) (on Model K-3 integral with pump) which can be adjusted to give required oil pressure.

FRAME SIZE	OIL CAPACITY
K-3	3 gallons
K-6	6 gallons
K-12	9 gallons
K-24, K-24S, K-24	X 13 gallons

Correct crankcase oil may be purchased from Manton Gaulin Mfg. Co. Inc.

Oil is available in 5 gallon cans or in 54 gallon drums.

OIL SPECIFICATION

Use a premium grade industrial lubricating oil (not automotive) containing, a defoaming agent, oxidation and corrosion inhibitors, and having a viscosity of 100 to 150 SSU at 100°F (or 95 to 105 at 210°F) with a minimum viscosity index of 85.

3. MOTOR AND WIRING

Motor in base — A competent electrician should install wiring and check rotation of motor with directional arrow on motor. Multipurpose safety switch is wired in accordance with wiring diagram (Plate 31). After wiring is completed, remove belt guard cover, check and adjust sheaves if loosened in transit. Belt tension should be adjusted so that with normal hand pressure applied to a bar extending across face of all belts, at a point central between the sheaves, a deflection of 3/4" is made.

4. COOLING WATER

A water connection for cooling and lubricating plungers must be made to the machine. On Model K-3 and K-6, water connection is made at side of well. On Model K-12 and K-24, water connection is near the bottom of the base. A valve must be inserted in water line to control flow. Connect waste water line from well to drain.

On applications where cooling water can not be used lubricate packing and plungers prior to operation.

PACE

5. PIPING AND FEED SUPPLY

All foreign matter in piping or supply system must be flushed out and removed from system before machine is put into operation. Adequate screening must be provided to prevent foreign matter from entering machine if satisfactory operation and reasonable maintenance are to be expected. It is essential that proper piping to the machine be provided. Piping to be installed will be governed by the product and the process. When processing viscous materials, a feed pump or high gravity head must be used to insure positive pressure on suction side of machine. A shut-off valve or other deviće must never be placed in the discharge line where it could completely stop the flow of material otherwise instantaneous pressure build up will cause serious damage.

6. CLEANING MACHINE BEFORE STARTING

Thoroughly clean machine before putting it into service. This is done by disassembling and cleaning all components of the fluid end of the machine.

7. STARTING UNIT

- A. Adjust flow of cooling water.
- B. Check oil level.
- C. Open homogenizing valve or valves on homogenizer or relief valve on high pressure pump. (Caution: Never start machine under pressure.)
- D. Start machine.
- E. Check direction of rotation of drive. Note: If direction is incorrect, no oil pressure will show on oil gauge.
- F. Check oil pressure. If no oil pressure shows and rotation of drive is correct, check oil lubrication system.
- G. Open product supply valve.
- H. Start feed pump and check feed pressure gauge if used.
- I. Adjust pressure (see section 8 or section 9 for instructions).

8. ADJUSTING HOMOGENIZING VALVE ASSEMBLY

A. Two-stage homogenizing valve assembly (Plate 11)

Note: First stage body is attached directly to cylinder block.

Second stage body is attached to first stage body and from which product is discharged.

Always adjust the second stage valve first. Read pressure on pressure gauge (#40). Next adjust the first stage valve until required total homogenizing pressure is read on pressure gauge (#40).

B. Single stage homogenizing valve assembly (Plate 13).

Adjust valve until desired pressure is read on pressure gauge (#40).

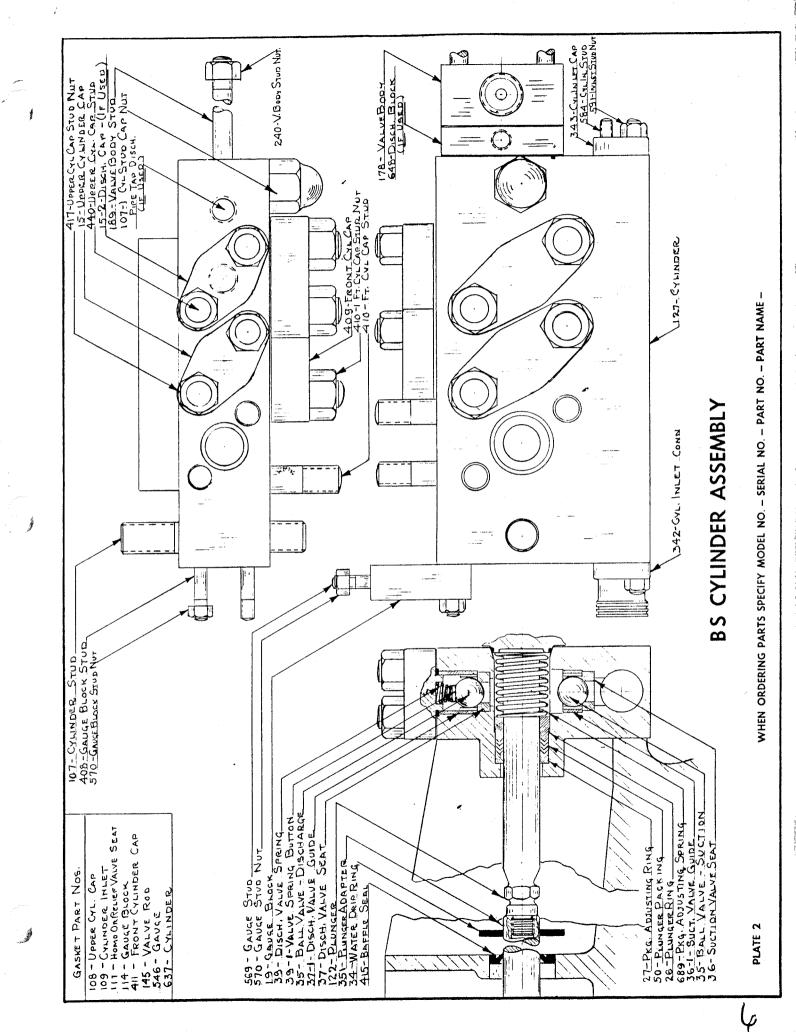
9. ADJUSTING FLOW CONTROL OR RELIEF VALVE ASSEMBLY (High pressure pumps only)

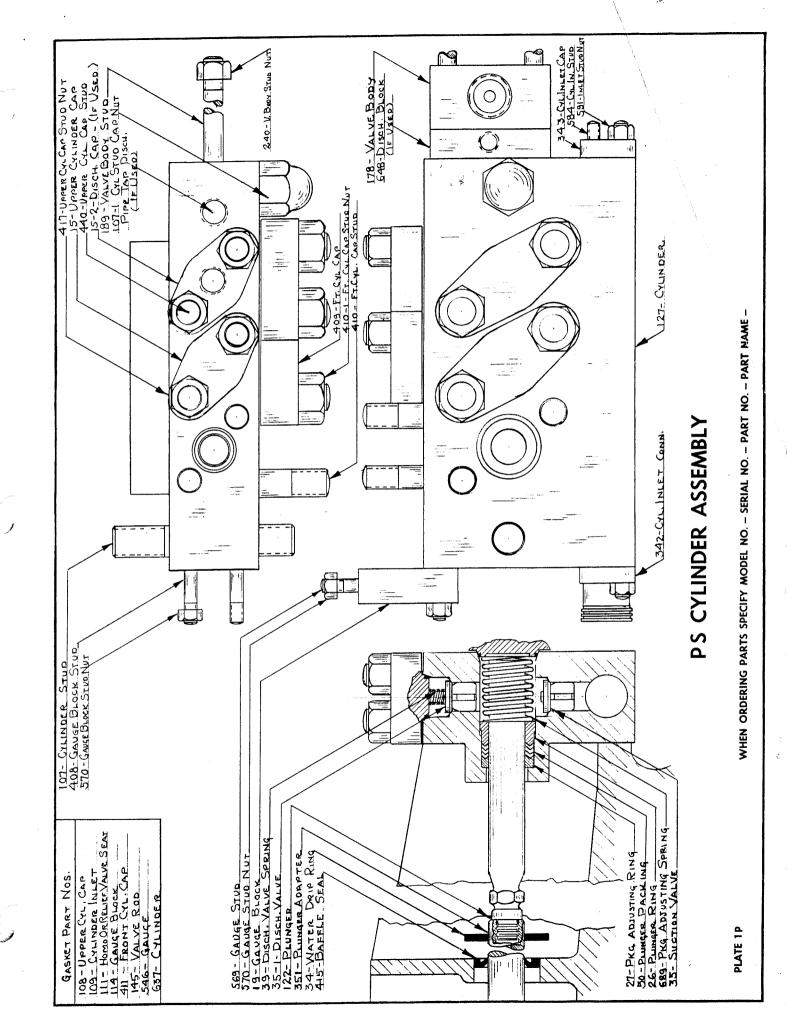
When flow control or relief valve assembly is furnished (Plate 12) adjust valve to desired operating pressure, allowing balance of flow to by-pass to feed tank or until no further by-passing is observed, depending on application.

CAUTION

Operating pressure should never exceed manufacturer's rating. Check with factory if in doubt.







HOMOGENIZING OR RELIEF VALVE ASSEMBLY

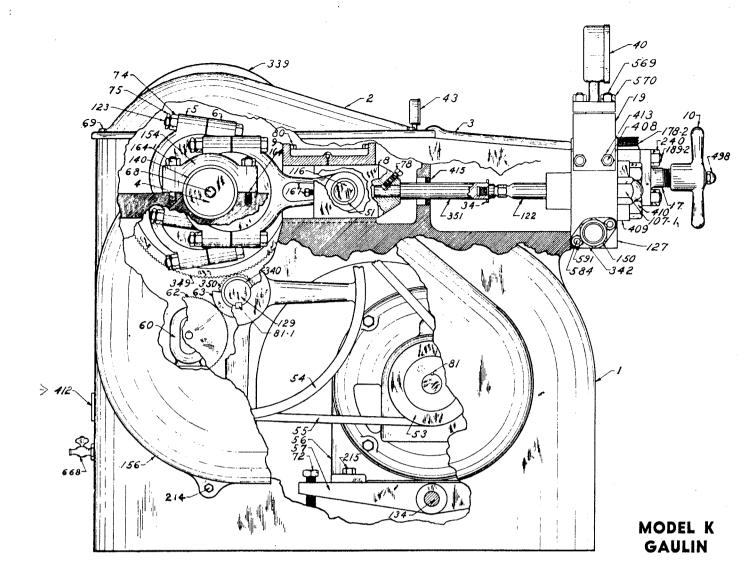
- 1. Gaskets and packing must be in good condition. Replace when necessary.
- 2. Valve (#125) and seat (#124) must always have a continuous contact area the full circumference of valve and seat. If this contact is broken at any point by erosion channel, the valve seat must be reground promptly.
- 3. Impact Ring (#126) should be checked regularly and replaced when necessary.
- 4. Condition of valve (#125), seat (#124) and impact ring (#126) determine quality of product.

MAINTENANCE OF HOMOGENIZING VALVE #125, AND SEAT #124

Factory maintains a valve grinding and reconditioning service.

On Piloted Valves — Always return to factory both valve and seat, as they must be reground and lapped to each other. If pilot on valve is broken, a new valve can be reground to the old seat at the factory.

H



Part numbers are the same on all Gaulin production sizes. The location is the same in most instances. There should not be any difficulty therefore in determining the part number and name from this illustration for any model K Gaulin.

			•		
1	Base	75	Connecting rod check nut	214	Belt Guard Cap Screw
2	Base Cover	78	Plunger adapter set screw	215	Motor Cap Screw
2-1	Base Cover Gasket	80	Crosshead cover cap screw	225	Discharge Nut
3	Well Cover	90	Base door	226	Discharge Gland — Ferrule
4	Eccentric shaft	107	Cylinder stud	*234	Oil Cooler
5	Back connecting rod strap	107-1	Cylinder Stud Nut	†236	Oil Filter
6	Front connecting rod strap	116	Wrist Pin	240	Valve Body Stud Nut
8	Crosshead	122	Plunger	339	Gear Case
9	Crosshead Guide Cover	123	Connecting Rod Bolt	340	- Drive Shaft Bushing
10	Handwheel	127	Cylinder	341	Gear Case Gasket
13	Drive shaft oil plate	129	Drive Shaft	342	Cylinder Inlet Connection
13-1	Ecc. shaft cover plate	133	Drive Shaft Oil Plate	342-1	Manifold Gland
17	Handwheel Support		Gasket	349	Herringbone Gear
19	Gauge Block	133-1	Ecc. Shaft Cover Plate	350	Herringbone Pinion
34	Water drip ring		Gasket	351	Plunger Adapter
40	Pressure Gauge	134	Motor Ra'l Shaft	367	Gear Case Screw
43	Oil pressure Gauge	140	Ecc. Shaft Bearing	408	Gauge Block Stud
51	Wrist pin Bushing	147	Strainer	409	Front Cylinder Cap
53	Driving sheave	150	Inlet Conn. Nut	410	Front Cylinder Bolt
54	Driven sheave	154	Bearing Cap	412	Oil Level Gauge
55	Vee Belts	156	Belt Guard	413	Gauge Block Stud Nut.
56	Motor	164	Bearing Cap Stud	415	Baffle Seal
57	Motor adj. rail	164-1	Bearing Cap Stud Nut	465	Valve Removing Tool
60	Oil Pump	166	Conn. Rod Shim	498	Valve Rod Cap Nut
62	Oil Pump Driven Gear	178-1	First Stage Valve Body	569	Gauge Stud
63	Oil pump driving Gear	178-2	Second Stage Valve Body	570	Gauge Stud Nut
68	Ecc. shaft pipe plug	189-1	First Stage Valve Body Stud	584	Cyl. Inlet Stud
72	Motor adj. screw	189-2	Second Stage Valve Body	591	Cyl. Inlet Stud Nut
74	Connecting rod bolt nuts		Stud	612	Motor Adj. Rail Bushing
1				* Used	on 650 K and UP
					on 1250 K and UP
				,	

OPERATION AND MAINTENANCE

CLEANING — All sanitary codes should be observed if food products are processed. Intelligent cleaning procedures should be followed on all applications in order to reduce the possibility of corrosion or pitting due to product, cleaning solutions or electrolytic action.

INSPECTION — Schedule will be determined by application. A regular inspection schedule should be set and rigidly adhered to.

OIL

- 1. Adjust oil relief valve as required to maintain 10-40-PSI on oil pressure gauge (#43)
- 2. Maintain oil level on visual oil gauge (#412)
- 3. Drain condensate from oil as required.
- 4. Change oil (see section 2) not to exceed 500 operating hours or 6 months.

ADEQUATE FEED — Must be maintained at all times to prevent starving machine, air being incorporated in product, or shock loading. Feed lines must be kept clean and free from any restriction to flow. All suction lines must be tight. If strainers are used do not allow excessive clogging. If feed pump is used, be sure adequate feed pressure is maintained.

FLUID END

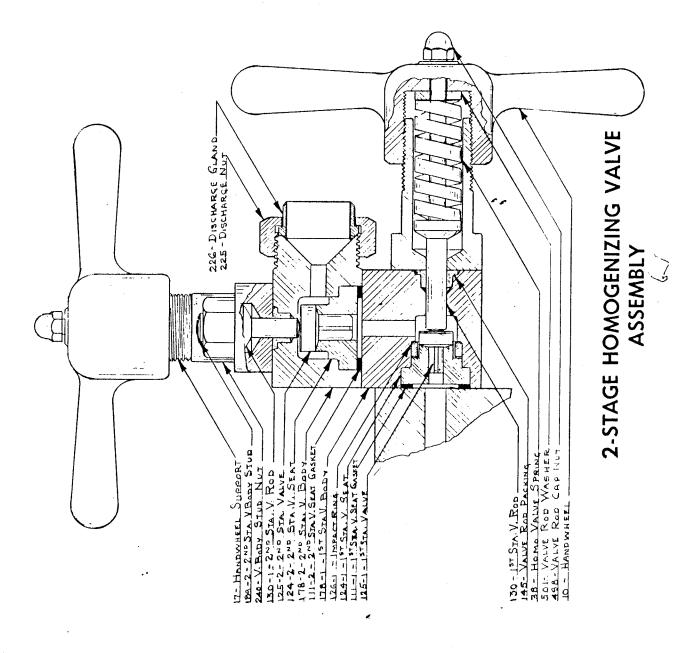
- 1. All cylinder gaskets must be in good condition or replaced.
- 2. Cylinder caps must be drawn up tight by means of cylinder cap stud nuts.

 Note: On removable valve seat cylinder, this is especially important on lower cylinder caps.
- 3. Cylinder suction and discharge valves, valve seats and related parts must be checked regularly for wear and kept in good condition for proper operation of machine. Grind valves and valve seats when necessary, to maintain rated capacity. Ball type valves should be replaced at once when worn. Valve grinding kits available from factory.
- 4. Plungers (#122) should be in good condition for proper packing life, or packing and rings can be severely damaged. Plungers (#122) must always be tightly connected to plunger adapters (#351), and plunger adapters (#351) must be tight in crosshead (#8).
- 5. Packing assembly for spring loaded design It is strongly recommended that the packing assembly (rings and packing) be assembled on the plunger (#122) and installed as a unit. After plunger is tight in plunger adapter (#351) then packing assembly tool must be used to properly seat packing assembly. Continued operation with badly worn packing (#50) can cause scoring of plungers and packing rings. For satisfactory packing life #27 ring which supports packing must be in good condition and replaced as required. It is recommended that packing life for your operation be determined and a regular replacement schedule be maintained.
- 6. Pressure gauge excessive oscillation or failure of gauge to register may be caused by the following:
 - a. Worn pump valves and valve seats
 - b. Insufficient feed supply
 - c. Leaking plunger packing
 - d. Bent valve rod (can also cause valve squealing)
 - e. Air lock in cylinder
 - f. Damaged gauge

If gauge is permanently damaged replace with new one, returning old gauge to plant for credit adjustment if applicable.

7. To prevent CONTAMINATION OF CRANKCASE — Water drip rings (#34) and baffle seals (#415) should be replaced as required.

3



WHEN ORDERING PARTS SPECIFY MODEL NO. – SERIAL NO. – PART NO. – PART NAME –

PLATE 11

WHEN ORDERING PARTS SPECIFY MODEL NO. – SERIAL NO. – PART NO. – PART NAME –

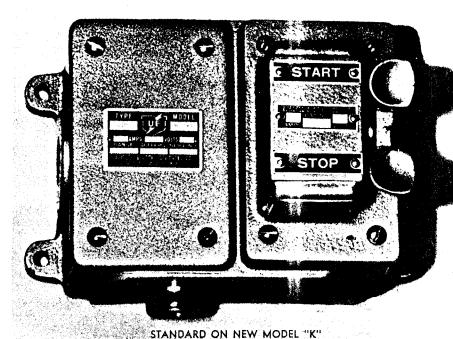
650 - DISCHARGE GLAND GASKET 145 - VALVE ROD PACKING 38 - HOMO. YALVE SPRING 17 - HANDWHEEL SUPPORT 226 - DISCHARGE GLAND 498 - VALYE ROD CAP NUT 501- VALVE ROD WASHER 111-1-YALVE SEAT GASKET 225-DISCHARGE NUT 178 - VALVE BODY 126 - IMPACT RING 130 - VALVE ROD 10 - HANDWHEEL 124 - VALVE SEAT 125 - VALYE

MANTON-GAULIN PRIVATE-EYE MULTI-PURPOSE Safety Switch



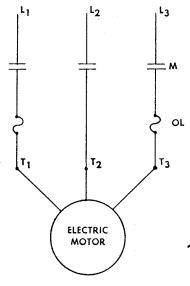
"Private-Eye" multi-purpose safety switch combines oil pressure safety features with motor start and stop push buttons

> Water-proof Rust-proof **Explosion-Proof** (Optional)



PART NO. K-714

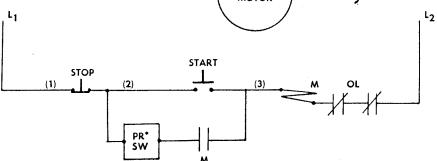
NOTE: When used in connection with manually operated compensators the K-714 switch should be wired into the existing control circuit as a low pressure cut-out.



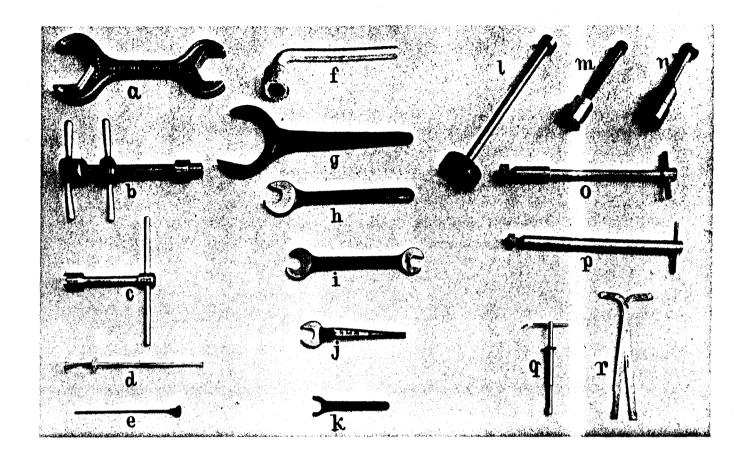
Wiring diagram showing connection of the Private Eye Multi-purpose Safety Switch to a regular magnetic line starter.

The Private Eye Safety Switch is rated at 440 volts and may be used on single, two or three phase circuits as only two line wires are used in any case.

This unit is rust proof and water proof and provides a positive insurance against injury to machine that would occur from any cause resulting in low oil pressure.



WHEN OIL PRESSURE DROPS THE GAULIN STOPS



Illustrated above are representative tools for use with Gaulin Equipment and will assist you in identifying tools furnished for your specific machine. Packing list will list tools shipped with your machine. Note — Some tools have multiple uses.

- a. Intake Pressure Gauge Wrench.
- b. Valve Seat Removing Tool.
- c. Piston Removing Tool Assembly.
- d. Poppet Valve Removing Tool. Valve Stop Removing Tool.
- e. Ball Valve Removing Tool Assembly.
- f. Upper Cylinder Stud Nut Wrench. Front Cylinder Stud Nut Wrench. Lower Cylinder Stud Nut Wrench.
- g. Packing Adjusting Screw Wrench.
- h. Valve Body Stud Nut Wrench. Plunger Wrench. Upper Cylinder Stud Nut Wrench. Lower Cylinder Stud Nut Wrench.

- Gauge and Inlet Stud Nut Wrench. Valve Body Stud Nut Wrench. Plunger Wrench.
- j. Plunger Wrench.
- k. Packing Adjusting Screw Wrench.
- I. Packing Removing Tool Assembly.
- m. Packing Removing Tool.
- n. Packing Assembly Tool.
- o. Packing Removing Tool Assembly.
- p. Packing Removing Tool Assembly.
- q. Packing Removing Tool Assembly,
- r. Packing Removing Tool.

PRICE CODE LIST

MODEL K-SINGLE AND TWO-STAGE HOMOGENIZER VALVE ASSEMBLY

Price Code List No. 2-KH-58 Effective Sept. 1, 1958 Supersedes Previous Price List

When ordering for stock please give machine model and size as well as part number and name. If for a particular customer, advise serial number of machine as well.

PART			к	-6,		
NO.	PART NAME	к-3	300-500	600-700	K-12	Ķ-24
* 010	Handwheel	010200	010200	010300	010300	010300
* 017	Handwheel Support	017200	017200	017302	017302	017302
* 038	Homo Valve Spring	038200	038200	038300	038300	038300
		Carton	Carton	Carton	Carton	Carton
(1) 800	1st Stage Valve Seat Gasket	800503	800503	800504	800504	800505
		Carton	Carton	Carton	Carton	Carton
(1) 800	2nd Stage Valve Seat Gasket	800504	800504	800505	800505	*
124	1st Stage Valve Seat	124206	124206	124207	124207	124303
125	1st Stage Valve	125207	.125207	125208	125208	125304
124	2nd Stage Valve Seat	124207	124207	124303	124303	*
125	2nd Stage Valve	125208	125208	125304	125304	*
126	Impact Ring	126207	126207	126209	126209	126404
130	1st Stage Valve Rod	130205	130205	130302	130302	130302
130	2nd Stage Valve Rod	130209	130209	130401	130401	130401
2) * 145	Valve Rod Packing	Carton 145200 -	Carton 145200	Carton 145200	Carton 145200	Carton 145200
178	1st Stage Valve Body	178101	178101	178307	178307	178408
178	2nd Stage Valve Body	178209	178209	178304	178304	178304
189	1st Stage Valve Body Stud	189202	189202	189304	189304	189304
189	2nd Stage Valve Body Stud	189203	189203	189305	189305	189305
570	Valve Body Stud Nut	570012	570012	570014	570014	570014
498	Valve Rod Cap Nut	498200	498200	498200	498200	498200
* 501	Valve Rod Washer	501200	501200	501300	501300	501300

SINGLE STAGE RELIEF VALVE ASSEMBLY

	SHOLL SI	WELLE!	1 7 E 1 E 7 9	VULINDE I		
			κ-	6		
PART NO.	PART NAME	K-3	300-500	600-700	K-12	K-24
010	Handwheel	010200	010200	010300	010300	010300
017	Handwheel Support	017200	017200	017302	017302	017302
038	Homo Valve Spring	038200	038200	038300	038300	038300
		Carton	Carton	Carton	Carton	Carton
(1) 800	Valve Seat Gasket	800503	800503	800503	800503	800503
124	Valve Seat	124206	124206	124206	124206	124206
125	Valve	125207	125207	125207	125207	125207
126	Impact Ring	126207	126207	126207	126207	126207
130	Valve Rod	130205	130205	130302	130302	130302
		Carton	Carton	Carton	Carton	Carton
(2) 145	Valve Rod Packing	145200	145200	145200	145200	145200
178	Valve Body	178200	178200	178300	178300	178300
189	Valve Body Stud	189201	189201	189301	189301	189301
570	Valve Body Stud Nut	570012	570012	570014	570014	570014
498	Valve Rod Cap Nut	498200	498200	498200	498200	498200
501	Valve Rod Washer	501200	501200	501300	501300	501300
648	Discharge Block	648201	648201	648300	648300	648300

 ²nd Stage interchangeable with 1st Stage.

(2) 50 pcs per carton.

No parts returned without our permission.

No used part can be returned for credit.

^{(1) 25} pcs per carton.

Price Code List No. 2-KD-58
Effective Sept. 1, 1958
Supersedes Previous
Price List

PRICE CODE LIST MODEL K DRIVE PARTS

When ordering for stock please give machine Model and size as well as part number and name. If for a particular customer, advise serial number of machine as well.

PART NO.	PART NAME	K-3	K-6,	K-6X	K-12	K-12X	K-24	K-24X
002	Top Cover	002100	002200	002200	002300	002300	002400	002400
004	Eccentric Shaft	004100	004200	004200	004300	004301	004400	004401
005-006	Conn.Rod Assy. w/bolts, Nuts,							
	Shims, Dowels and Bushing	005100	005200	005200	005300	005300	005400	005401
800	Cross Head	008100	008200	008200	008300	008300	008400	008400
043	Oil Pressure Gauge	043200	043200	043200	043200	043200	043200	043200
060	Oil Pump	*060300	060200	060200	060200	060200	060200	060200
062	Oil Pump Driven Gear	062100	062300	062300	062300	062300	062300	062300
063	Oil Pump Driving Gear	\$	063200	063200	063200	063200	063400	063400
090	Base Door	090100	090200	090200	090300	090300	090400	090400
116	Wrist Pin	116100	116200	116200,	116300	116300	116400	116400
129	Drive Shaft \	129100	129200	129201	129300	129301	129400	129400
349	Gear	349100	1349200	1349201	1349300	1349301	1349400	1349401
350	Pinion	350100	350200	350200	350300	350300	350400	350400
154	Pillow Block Assem. w/Bearings	154100	\$	\$	\$	\$	Ş	\$
140	Ecc. Shaft Bearing	Included In 1154	140200	140201	140301	140300	140400	140401
141	-			ء	£	Ş	\$	141400
156	Ecc. Thrust Washer	\$ 156100	\$ 156200	\$ 156200	\$ 156300	156300	156400	156400
_	Belt Guard							
339	Gear Case	\$	339200	339200	339300	339300	\$	\$
340	Drive Shaft Bearing	Included In 1154	340201	340200	340201	340200	340401	340400
415	Baffle Seal	415100	415200	415200	415300	415300	415400	415400

¹⁰n K6, K6X, K12, K12X, K24X the driveshaft is heat shrunk to pinion, and must be ordered as an assembly. On all models it is recommended that when purchasing either pinion or gear the mating part be ordered.

No parts returned without our permission.

No used part can be returned for credit.

^{\$}Not used on this model machine.

^{*} Oil Pump with built-in Relief Valve.

PRICE CODE LIST MODEL K

3PS CYLINDER PARTS

Price Code List No. 2-KC3PS-58
Effective Sept. 1, 1958
Supersedes Previous
Price List

Parts listed are those currently used on Model "K" Homogenizers and High Pressure Pumps having type 3 PS Cylinder. When ordering for stock please give model, size or capacity, part number and name. If for a particular customer, advise serial number of machine as well.

	СҮ	LINDER	PART	.2				:
PART NO.	PART NAME	K-3	K-6	K-6X	K-12	K-12X	K-24	K-24X
015	Upper Cyl. Cap	015100	015204	015204	015400	015400	015400	015404
019	Gauge Block (Assem w/studs)	019200	019200	019200	019200	019200	019200	019200
033	Discharge Valve	* *	* *	* *	* *	·.* *	035408	* *
035	Suction Valve	035100	035200	035200	035400	035400	035401	035403
039	Discharge Valve Spring	039100	039202	039202	039202	039202	039202	039300
157	Cylinder		, Pri	ı ices furn	ı ished up	 on_reque	! st	ļ.
147	Strainer Screen Assembly	147100	147200	147200	147300	147300	147402	147401
342	Cyl. Inlet Conn	342100	342200	342200	342400	342400	342400	342401
343	Cyl. Inlet Cap	343100	343200	343200	343400	343400	343400	343401
351	Plunger Adapter	*	351200	351200	351300	351300	351400	351403
409	Front Cyl. Cap	409104	409200	409200	409300	409300	409401	409400
689	Packing Adj. Spring	689 100	689200	689200	689300	689300	689400	689401
408	Gauge Block Stud	408100	408100	408100	408100	408100	408100	408100
410	Front Cyl. Cap Stud (Straight)	410104	440301	440301	410308	410304	410304	440401
410	Front Cyl. Cap Stud (Shoulder)	410100	410201	410201	410300	410300	410201	410402
440	Top Cyl. Cap Stud	440 102	440201	440201	440301	440301	440301	410305
569	Gauge Stud	569200	569200	569 200	569200	569 200	569200	569200
584	Cyl. Inlet Stud	584100	584100	584100	584100	584100	584100	584100

	PLUNGER ASSEMBLIES														
	K-3		K-6		κ.	-6X	K-12			K-12X		K-24			K-24X
	75- 300	300	400- 500	600- 700	500	600- 1000	500- 650	800- 1000	1200	800- 1000	1 200- 2000	1250- 1500	2000	2500- 3000	3000- 4000
026 Piston Ring (Metal)	026100	026211	026223.	026224	026223	026224	026305	026313	026317	026313	026317	026411	026419	026424	026414
	027102	027208	027219	027222	027219	027222	027307	027314	027318	027314	027318	027406	027414	027419	027409
027 Packing Adj Ring (Nylon)	027100	027209	027220	027221	027220	027221	027308	027316	027320	027316	027320	027407	027415	027420	027410
122 Plunger	122100	122201	122203	122202	122203	122202	122300	122301	122302	122301	122302	122400	122401	122402	122418

[☐] Used with Chevron Type Plunger Packing

No parts returned without our permission.

No used part can be returned for credit.

[§] Used with Rubber Type Plunger Packing

^{*} Not used on this model machine

^{**} Suction and discharge valves interchangeable

PRICE CODE LIST MODEL K 5PS CYLINDER PARTS

Price Code List No. 2-KC5BS-58 Effective Sept. 1, 1958

Supersedes Previous Price List

	CYLINDER PA	ARTS			
PART NO.	PART NAME	K-3	K-6	K-12	K-24
015	Upper Cyl. Cap	015100	015204	015300	015400
019	Gauge Block (Assem. w/studs)	019200	019200	019200	019200
035	Discharge Valve	* *	* *	* *	035408
035	Suction Valve	035100	035200	035200	035400
039	Discharge Valve Spring	039100	039202	039202	039202
157	Cylinder	Pr	ices furnish	ed upon requ	i Jest
147	Strainer Screen Assembly	147100	147200	147300	147402
342	Cylinder Inlet Conn	342100	342200	342400	342400
343	Cylinder Inlet Cap	343100	343200	343400	343400
351	Plunger Adapter	*	351200	351301	351400
409	Front Cylinder Cap	015204	409201	409308	409402
689	Packing Adj. Spring	689101	689100	689200	689300
408	Gauge Block Stud	408100	408 100	408100	408100
410	Front Cylinder Cap Stud (Straight)	440200	410206	410304	410407
410	Front Cylinder Cap Stud (Shoulder)	410101	410202	410300	410403
440	Top Cylinder Cap Stud	440102	440201	440301	440301
569	Gauge Stud	569200	569200	569 200	569200
584	Cylinder Inlet Stud	584100	584100	584100	584100

	PLUNGER ASSEMBLIES										
026	Piston Ring (Metal)	026101	026212	026312	026413						
027	Packing Adj. Ring (Metal)	027101	027102	027219	027424						
122	Plunger	122101	122200	122307	122400						

^{*} Not used on this model machine.

No parts returned without our permission.

No used part can be returned for credit.

^{**} Suction & Discharge Valves interchangeable.