

GARDNER DENVER®

**3-3-514
1st Edition**

**6" STROKE
DUPLEX STEAM PUMP**

MODEL

DAG__B

N.D.S. Drilling Supply
26041 Newton Circle
Elko, MN 55020
Phone #952-461-3401
Fax # 952-461-3403

PARTS LIST

**Gardner
Denver**

INSTRUCTIONS FOR ORDERING REPAIR PARTS

When ordering parts, specify Pump Model, Size and Serial Number (see nameplate on pump). Serial number is also stamped on drive end of steam chest cover.

All orders for parts should be placed with the nearest Sales and Service Office.

Reference numbers shown in the left hand column of the parts lists are used to help locate the parts shown on the drawings and sectional views. **DO NOT ORDER BY REFERENCE NUMBERS.**

After locating the reference number, the part number may be found for your particular unit under the correct model number column.

Specify exactly the number of parts required (see column "Qty. Req. Per Comp."). **DO NOT ORDER BY SETS.**

To determine the right hand and left hand side of the pump, stand at the steam end and face the fluid end of the pump.

PARTS RETURNED

All claims must be made within five days after receipt of goods. If order has been filled correctly, we cannot allow the return of

the goods without our consent and then only on a basis of a charge for service and rehandling plus transportation charges.

Transportation charges must be prepaid. If it is necessary to return a part to the factory for duplication or inspection, do not fail to do the following:

1. Write the nearest Sales and Service Office a letter advising what material you wish to return and why.
2. After receiving permission to return the item or items, obtain from the Sales and Service Office the correct forms filled out by that office for the proper return of material.
3. Place a tag in the package showing your name and address.
4. Tag each article in the box or package stating what and how many are returned.
5. Always give the serial number of the machine from which the parts were removed or the invoice number on which the parts were originally shipped.

All parts returned for credit should be handled in the same manner as that for duplication or inspection.

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INDEX

Cylinder, Fluid	6, 7	Pullers	19
Liners	12	Steam End	4, 5
Matrix/Menu	2, 3	Stuffing Box	8
Ordering Instructions	1	Surge Chamber	18
Pistons	10, 11	Valves	13 thru 17
Piston Rod & Nuts	9		

**MODEL DAG
6" STROKE DUPLEX STEAM PUMP
WITH 6" STEAM PISTON - 4" MASTER SIZE CYLINDER
MATRIX/MENU**

NOTICE TO CUSTOMER - To find the construction options for your pump unit, FILL IN THE BALANCE OF LETTERS OR NUMBERS FROM YOUR UNIT NAMEPLATE.

COLUMN NUMBER:

FOLLOW THE LINE DOWN AND OVER FROM EACH SPACE THUS FILLED IN TO FIND THE APPROPRIATE CONSTRUCTION OPTION WITH WHICH YOUR MACHINE IS EQUIPPED. THE NUMBER "9" IN ANY COLUMN SPACE INDICATES "NOT APPLICABLE". THE NUMBER "8" IN ANY COLUMN SPACE INDICATES SPECIAL DESIGN - REFER TO FACTORY ORDER TICKET.

COLUMNS 1, 2 & 3 - BASIC FAMILY

COLUMN 4 - TYPE SERVICE - 4" MASTER CYLINDER SIZE

- D. Oil Service - Cast Iron
- F. Water Service - Cast Iron
- H. Boiler Feed Service - Cast Iron
- K. General Service - Cast Iron

COLUMN 5 - SIZE SELECTIVE

- C. 4"
- D. 3-1/2"
- E. 3"
- F. 2-1/2"

COLUMN 6 - DESIGN VERSION

COLUMN 7 - LINER MATERIAL SELECTIVE

- A. Bronze - Standard For Water or Boiler Feed Service
- C. Iron - Oil or General Service

COLUMN 8 - PISTON TYPE SELECTIVE

- A. Bronze - Follower Type - Regular Cure Packing - Standard For Water Service
- B. Bronze - Follower Type - Rock Hard Packing - Standard For Boiler Feed Service
- C. Iron - Follower Type - Regular Cure Packing - Standard For General Service
- E. Iron - Solid Type - Cast Iron Rings - Standard For Oil Service

COLUMN 9 - PISTON ROD MATERIAL & PACKING SELECTIVE

- A. Bronze Rod and Braided Synthetic Fiber Packing - Standard For Water or Boiler Feed Service
- B. Hardened Steel Rod and Braided Synthetic Fiber Packing - Standard For Oil and General Service
- F. Stainless Steel Rod and Braided Synthetic Fiber Packing - Optional

COLUMN 10 - FLUID VALVE SELECTIVE

- C. Bronze - Flat Type - Water or Boiler Feed Service
- D. Bronze - Rubber Disc Type - Water or Boiler Feed Service
- F. Iron - Flat Type - Oil or General Service
- G. Iron - Rubber Disc Type - Oil or General Service
- N. Stainless Steel - Durable (Optional)

COLUMN 11 - OPTIONAL EQUIPMENT

D	A	G			B					
1	2	3	4	5	6	7	8	9	10	11

MODEL DAG
6" STROKE DUPLEX STEAM PUMP
WITH 6" STEAM PISTON — 5" MASTER SIZE CYLINDER
MATRIX/MENU

NOTICE TO CUSTOMER — To find the construction options for your pump unit, FILL IN THE BALANCE OF LETTERS OR NUMBERS FROM YOUR UNIT NAMEPLATE.

COLUMN NUMBER:

D	A	G	B							
1	2	3	4	5	6	7	8	9	10	11

FOLLOW THE LINE DOWN AND OVER FROM EACH SPACE THUS FILLED IN TO FIND THE APPROPRIATE CONSTRUCTION OPTION WITH WHICH YOUR MACHINE IS EQUIPPED. THE NUMBER "9" IN ANY COLUMN SPACE INDICATES "NOT APPLICABLE". THE NUMBER "8" IN ANY COLUMN SPACE INDICATES SPECIAL DESIGN — REFER TO FACTORY ORDER TICKET.

COLUMNS 1, 2 & 3 — BASIC FAMILY

COLUMN 4 — TYPE SERVICE — 5" MASTER CYLINDER SIZE

- A. Slush Service — Cast Iron
- B. Grout and Cement — Cast Iron
- C. Oil Service — Cast Iron
- E. Water Service — Cast Iron
- G. Boiler Feed Service — Cast Iron
- J. General Service — Cast Iron

COLUMN 5 — SIZE SELECTIVE

- A. 5"
- B. 4-1/2"
- C. 4"
- D. 3-1/2"
- E. 3"
- F. 2-1/2"

COLUMN 6 — DESIGN VERSION

COLUMN 7 — LINER MATERIAL SELECTIVE

- A. Bronze — Standard For Water or Boiler Feed Service
- B. Hardened Steel — Standard For Grout and Cement, Oil and General Service
- D. Chrome Plated — Optional
- E. Stainless Steel — Optional

COLUMN 8 — PISTON TYPE SELECTIVE

- A. Bronze — Follower Type — Regular Cure Packing — Standard For Water Service
- B. Bronze — Follower Type — Rock Hard Packing — Standard For Boiler Feed Service
- C. Iron — Follower Type — Regular Cure Packing — Standard For General Service
- E. Iron — Solid Type — Cast Iron Rings — Standard For Oil Service
- F. Steel — Insert Type — Standard For Slush or Grout and Cement Service

COLUMN 9 — PISTON ROD MATERIAL & PACKING SELECTIVE

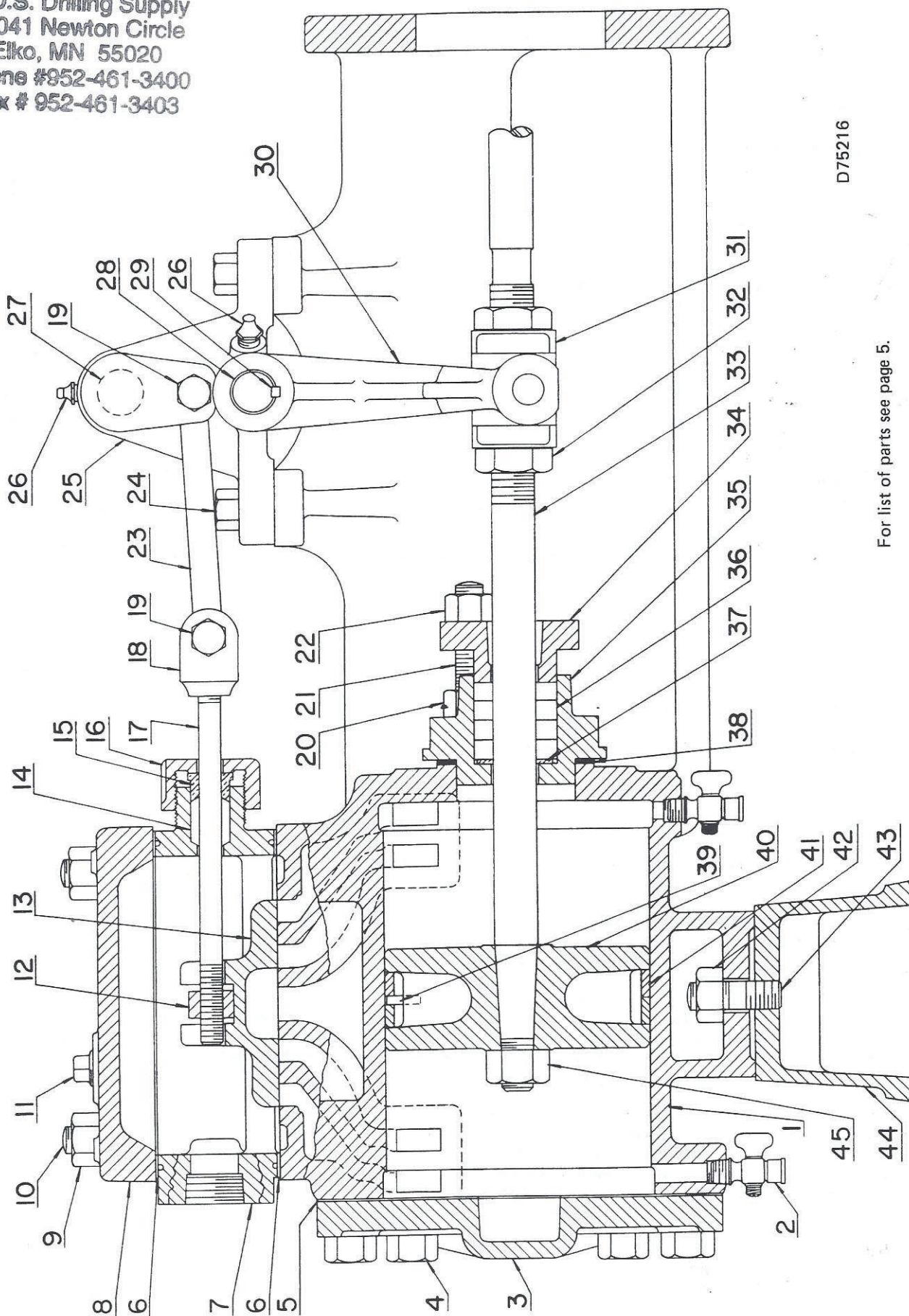
- A. Bronze Rod and Braided Synthetic Fiber Packing — Standard For Water or Boiler Feed Service
- B. Hardened Steel Rod and Braided Synthetic Fiber Packing — Standard For Oil and General Service
- C. Hardened Steel Rod — Molded Convex Packing — Standard For Slush or Grout and Cement Service
- F. Stainless Steel Rod and Braided Synthetic Fiber Packing — Optional

COLUMN 10 — FLUID VALVE SELECTIVE

- A. Bronze — Wing Guide — No Insert — Water and Boiler Feed Service
- H. Steel — Wing Guide — No Insert — Oil or General Service
- J. Steel — Wing Guide — Rubber Insert — Slush or Grout and Cement Service
- K. Steel — (Gravel) Wing Guide — Insert — Slush or Grout and Cement Service
- L. Steel — Center Guide — No Insert — Oil or General Service
- M. Steel — Center Guide — Rubber Insert — Slush Service
- N. Stainless Steel — Durabla (Optional)

COLUMN 11 — OPTIONAL EQUIPMENT

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D75216

For list of parts see page 5.

Order by Part Number and Description. Reference Numbers for your convenience only.

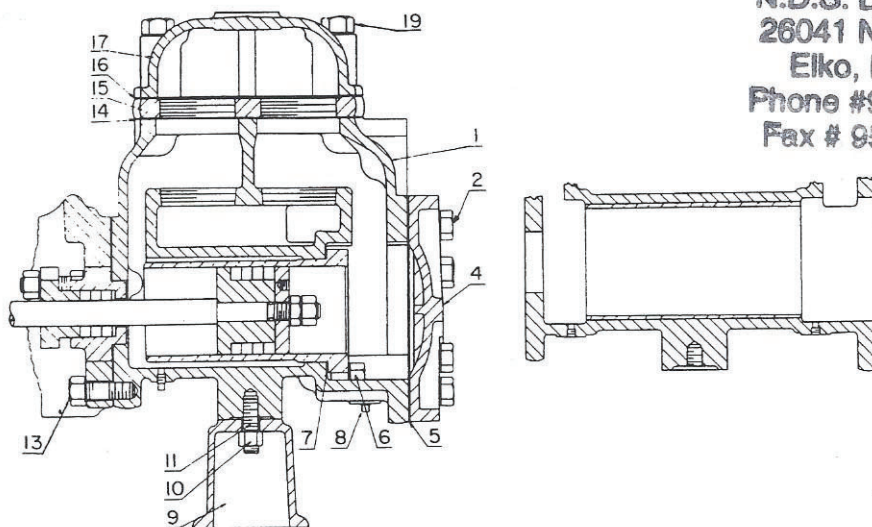
Ref. No.	Name of Part	Qty. Req. Per Pump	Models DAG	Ref. No.	Name of Part	Qty. Req. Per Pump	Models DAG
STEAM END				STEAM END (Continued)			
1	ASM STEAM CYLINDER, Includes Ref.			25	STAND-ROCKER	1	2AG16
2	No. 4, 9, 10, 20, 21 & 22	1	AG467	26	FITTING-LUB	2	40E5
†	COCK, Cylinder Drain	4	90AR89	27	CRANK (Upper)	1	AG8
3	PLUG-SqHd PIPE, Cylinder Drain	1	64AA5	28	CRANK (Lower)	1	AG9
4	HEAD-CYLINDER, Steam	1	AG2	29	KEY-TAPERED, Lever to Crank	2	35A8
5	SCREW-HEX CAP, Steam Cylinder Head	8	75A29C	30	LEVER, Short	1	1AG11
	GASKET, Steam Cylinder Head	1	25C231	†	LEVER, Long	1	1AG10
6	GASKET, Steam Chest & Cover	2	25C232	31	CROSSHEAD (For 2-Piece Piston Rods) *	2	AG61
7	CHEST-STEAM	1	AG5	32	NUT-HEX JAM, Crosshead	2	50T16
8	COVER-STEAM CHEST	1	AG6	33	ASM PISTON ROD, Steam, Includes Ref. No. 45	2	AG391X
9	NUT-HEX, Steam Chest & Cover Stud	4	50B7C				
10	STUD, Steam Chest & Cover Stud	4	79A295C	34	GLAND, Stuffing Box	2	AG21
11	PLUG-SqHd PIPE, Steam Chest Cover	1	64AA7	35	BOX-STUFFING	2	1AG14
12	NUT, Slide Valve	2	AG30	36	PACKING, Piston Rod	2	60B9
13	VALVE-STEAM	2	AG7	37	RING-JUNK, Stuffing Box	2	AG318
14	PACKING, Control Rod	2	60A318	38	GASKET-RING, Stuffing Box	2	25A18
15	BUSHING-GLAND	2	AG22				
16	GLAND	2	AG23	39	PIN-GROOVED, Steam Piston Ring	2	62Q4
17	ROD-CONTROL	2	AG25	40	PISTON-STEAM	2	1AG3
18	FORK-CONTROL ROD	2	AG28	41	RING-PISTON, Steam	4	65A71
19	PIN-CONTROL LINK	4	AG65				
20	NUT-HEX, Piston Rod Stuffing Box Stud	4	50B7C	42	NUT-HEX, Cylinder Foot Stud	2	50B7
21	STUD, Piston Rod Stuffing Box Stud	4	79A560C	43	STUD, Cylinder Foot	2	79A22
22	NUT-HEX, Piston Rod Stuffing Box Gland	4	50AQ7C	44	ASM CYLINDER FOOT, Includes Ref. No. 42 & 43	1	AG486
23	LINK	2	AG26				
24	SCREW-HEX CAP, Rocker Stand	2	75A29	45	NUT-HEX, Piston	2	50B8

† Not shown on illustration.

* For one-piece Piston Rod, refer to page 9.

Order by Part Number and Description. Reference Numbers for your convenience only.

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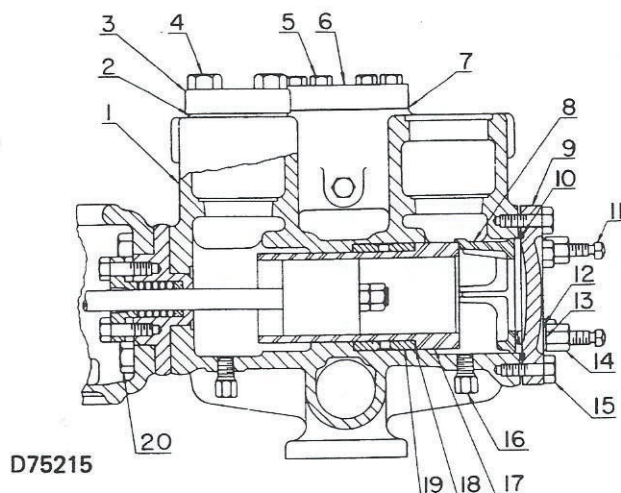
D44850X

Ref. No.	Name of Part	Qty. Req. Per Pump	Models DAGD DAGF DAGH DAGK
FLUID CYLINDER			Part No.
1	ASM FLUID CYLINDER, With Studs, Nuts & Screws, Includes Ref. No. 2, 6, 13 & 19	1	AG388
2	SCREW-HEX CAP, Cylinder Head	10	75A43C
4	HEAD-CYLINDER	1	1AG41
5	GASKET, Cylinder Head	1	25C240
6	SCREW-HEX CAP, Liner	6	75A12C
7	GASKET-RING, Liner	2	25C660
8	PLUG-SqHd PIPE	4	64AJ2
8	PLUG-SqHd PIPE	1	67A5
9	ASM CYLINDER FOOT, Includes Ref. No. 10 & 11	1	AG486
10	NUT-HEX, Cylinder Foot Stud	2	50B7
11	STUD, Cylinder Foot	2	79A22
13	SCREW-HEX CAP, Cylinder to Frame	6	75A57C
14	GASKET, Valve Plate	1	25C241
15	PLATE-VALVE, Discharge	1	3AG36
16	GASKET, Water Cap	1	25C242
17	CAP-WATER, Fluid Cylinder	1	6AG35
19	SCREW-HEX CAP, Water Cap	8	75A223C
19	SCREW-HEX CAP, Valve Plate	2	75A20C
†	COCK-DRAIN	1	90AR89
†	FLANGE, Suction	1	AG77
†	SCREW-HEX CAP, Suction & Blank Flange	6	75A17C
†	GASKET, Suction & Blank Flange	2	25C229
†	FLANGE, Suction Blank	1	AG92

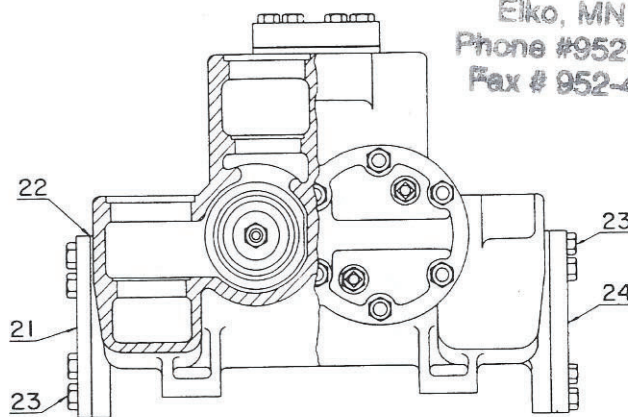
† Not shown on illustration.

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D75215



Ref. No.	Name of Part	Qty. Req. Per Pump	Models DAGA DAGB DAGC DAGE DAGG DAGJ
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FLUID CYLINDER

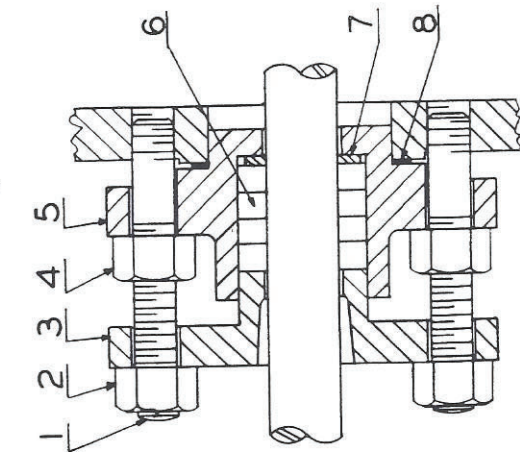
Part No.
(Cast Iron)

1	ASM FLUID CYLINDER, Includes Ref. No. 4, 5, 15, 16, 20 & 23	1	8FG29B
2	GASKET, Valve Cover	8	25G18
3	COVER-VALVE	8	3FG147
4	SCREW-HEX CAP, Valve Cover	16	75A157C
5	SCREW-HEX CAP, Discharge Flange	8	75A43C
6	FLANGE-THREADED, Discharge	1	64CE4
7	GASKET-RING, Discharge Flange	1	25C502
8	CLAMP-LINER	2	2FG217
9	HEAD-CYLINDER	1	1FG41
10	GASKET, Cylinder Head	2	25G24
11	SET SCREW-SqHd, Liner Clamp	6	76N14
12	PACKING-RING, Liner Clamp Set Screw	6	60BQ1
13	WASHER-PLAIN, Liner Clamp Set Screw	6	95F7
14	NUT-HEX, Liner Clamp Set Screw	6	50B7C
15	SCREW-HEX CAP, Cylinder Head	10	75A27C
16	PLUG, Drain	5	64AU5
17	LINER	2	See Page 9
18	GASKET, Liner	4	25T27
19	SPACER-LANTERN, Liner	2	1FG445
20	SCREW-HEX CAP, Frame of Cylinder	6	75A56C
21	FLANGE, Suction Blank	1	FG92
22	GASKET-RING, Suction & Blank Flange	2	25C603
23	SCREW-HEX CAP, Suction & Blank Flange	16	75A17C
24	FLANGE-THREADED, Suction	1	64DC8

† Not shown on illustration.

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Order by Part Number and Description. Reference Numbers for your convenience only.



B44555

Models
 DAGD
 DAGF
 DAGH
 DAGK

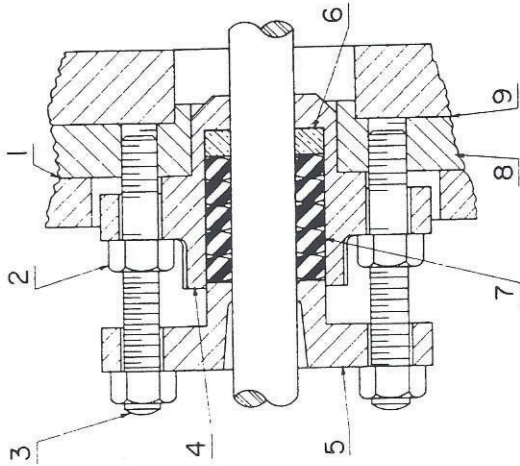
Qty. Req.
 Per Pump

Name of Part

Ref.
 No.

FLUID STUFFING BOX

Ref. No.	Name of Part	Qty. Req. Per Pump	Part No.
1	STUD, Stuffing Box & Gland	4	79A144C
2	NUT-HEX, Gland	4	50AQ7C
3	GLAND	2	AG21
4	NUT-HEX, Stuffing Box	4	50B7C
5	BOX-STUFFING	2	1AG14
6	PACKING-SET, Slush Service	2	60BH13
6	PACKING, Oil or Water Service	2	60BG9
7	RING-JUNK, Stuffing Box	2	AG318
8	GASKET	2	25A18



B75710

Models
 DAGA
 DAGB
 DAGC
 DAGD
 DAGG
 DAGJ

Qty. Req.
 Per Pump

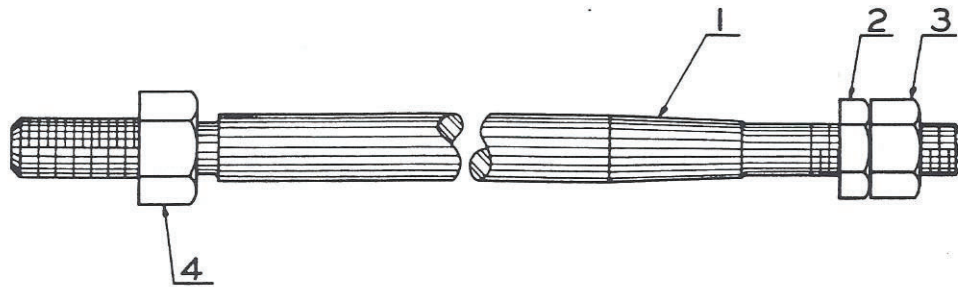
Name of Part

Ref.
 No.

FLUID STUFFING BOX

Ref. No.	Name of Part	Qty. Req. Per Pump	Part No.
1	GASKET, Stuffing Box to Spacer	2	25A18
2	NUT-HEX, Stuffing Box Spacer & Gland	8	50B7
3	STUD, Stuffing Box Spacer & Gland	4	79L56C
4	BOX-STUFFING	2	AXG14
5	GLAND, Stuffing Box	2	AG21
6	RING-JUNK, Stuffing Box	2	FG317
7	PACKING-SET, Slush Service	2	60BH13
7	PACKING, Oil or Water Service	2	60BG9
8	SPACER, Stuffing Box	2	AXG302
9	GASKET-RING, Spacer to Cylinder	2	25C658

Order by Part Number and Description. Reference Numbers for your convenience only.



B37388

Ref. No.	Name of Part	Qty. Req. Per Pump	Models	Models
			DAGD *	DAGA **
			DAGF *	DAGB **
			DAGH *	DAGC **
			DAGK *	DAGE **
				DAGG **
				DAGJ **
	PISTON ROD & NUTS		Part No.	Part No.
	(1 Piece Rod)			
	Hardened Steel			
1	ROD-PISTON	2	4AG24	202DFG060
3	NUT, Piston Rod (Full)	See ()	50Y8 (4)	50V2 (2)
4	NUT-HEX, Crosshead	2	None	50T67
	Bronze			
1	ROD-PISTON	2	11AG24	200DFG060
2	NUT-HEX JAM, Piston Rod (Thin)	2	None	50Y8
3	NUT-HEX, Piston Rod (Full)	See ()	50Y8 (4)	50X10 (2)
4	NUT-HEX, Crosshead	2	None	50T67

* When ordering rods be sure to give the serial number of the pump.

** All piston rods for Models DAGA, DAGB, DAGC, DAGE, DAGG, DAGJ have A.P.I. No. 1 taper.

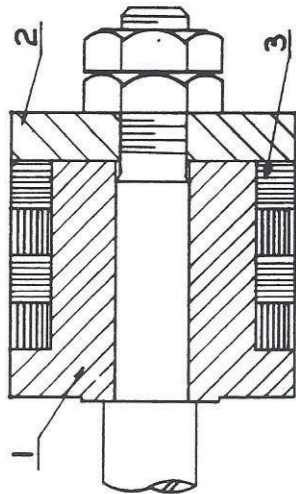
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Name of Part		Qty. Req. Per Pump	Models DAGD DAGF DAGH DAGK	Models DAGA * DAGB * DAGC * DAGE * DAGG * DAGJ *
SOLID TYPE PISTON			Part No.	Part No.
5"	PISTON-FLUID	2	None	200FXG350
5"	RING-PISTON	8	None	65A159
4-1/2"	PISTON-FLUID	2	None	201FXG350
4-1/2"	RING-PISTON	8	None	65A1
4"	PISTON-FLUID	2	AG350	202FXG350
4"	RING-PISTON	See ()	65A33 (6)	65A33 (8)
3-1/2"	PISTON-FLUID	2	1AG350	203FXG350
3-1/2"	RING-PISTON	See ()	65A9 (6)	65A9 (8)
3"	PISTON-FLUID	2	2AG350	204FXG350
3"	RING-PISTON	See ()	65A14 (6)	65A14 (8)
2-1/2"	PISTON-FLUID	2	3AG350	1FG350
2-1/2"	RING-PISTON	See ()	65A44 (6)	65A44 (8)

Name of Part		Qty. Req. Per Pump	Model DAGA *
GARDNER-DENVER® SLUSH-PROOF PISTON			Part No.
5"	ASM PISTON BODY, Includes Insert	2	219TBA045A
	INSERT, For 5" Piston	2	TBA76002
4-1/2"	ASM PISTON BODY, Includes Insert	2	217TBA045A
	INSERT, For 4-1/2" Piston	2	TBA76000
4"	ASM PISTON BODY, Includes Insert	2	215TBA045A
	INSERT, For 4" Piston	2	TBA75998
3-1/2"	ASM PISTON BODY, Includes Insert	2	213TBA045A
	INSERT, For 3-1/2" Piston	2	TBA75996
3"	ASM PISTON BODY, Includes Insert	2	211TBA045A
	INSERT, For 3" Piston	2	TBA75994
2-1/2"	PISTON-FLUID, Includes Insert	2	45D278
	INSERT, For 2-1/2" Piston	2	45E41

* All pistons for 5" fluid ends have A.P.I. No. 1 taper bore.

Order by Part Number and Description. Reference Numbers for your convenience only.



A44562

Ref. No.	Name of Part	Qty. Req. Per Pump	5" Part No.	4-1/2" Part No.	4" Part No.	3-1/2" Part No.	3" Part No.	2-1/2" Part No.
FOLLOWER TYPE PISTONS for Models DAGA, DAGB, DAGC, DAGE, DAGG & DAGJ (5" Master Size)*								
1	BODY-PISTON, Iron	2	204FXG045	6FG45	26AXG45	202FXG045	28AXG45	200FXG045
2	FOLLOWER-PISTON, Iron	2	204FXG046	4FG46	9AXG46	202FXG046	3AXG46	200FXG046
1	BODY-PISTON, Bronze	2	205FXG045	7FG45	27AXG45	203FXG045	29AXG45	201FXG045
2	FOLLOWER-PISTON, Bronze	2	205FXG046	5FG46	10AXG46	203FXG046	4AXG46	201FXG046
3	PACKING-RING, Regular Cure	6	60D15	60D16	60D17	60D25	60D11	60D27
3	PACKING-RING, Rock Hard	6	60Y15	60Y16	60Y17	60Y25	60Y11	60Y27
FOLLOWER TYPE PISTONS for Models DAGD, DAGF, DAGH & DAGK (4" Master Size)								
1	BODY-PISTON, Iron	2	None	None	AG45	1AG58	AG58	AG122
2	FOLLOWER-PISTON, Iron	2	None	None	AG46	1AG59	AG59	AG123
1	BODY-PISTON, Bronze	2	None	None	2AG45	5AG58	4AG58	1AG122
2	FOLLOWER-PISTON, Bronze	2	None	None	2AG46	3AG59	2AG59	1AG123
3	PACKING-RING, Regular Cure	8	None	None	60D17	60D19	60D11	60D13
3	PACKING-RING, Rock Hard	8	None	None	60Y17	60Y19	60Y11	60Y13

* All pistons for DAGA, DAGB, DAGC, DAGE, DAGG and DAGJ have A.P.I. No. 1 taper.

FLUID CYLINDER LINERS

Two (2) Per Pump

Name of Part	5"		4-1/2"		4"		3-1/2"		3"		2-1/2"	
	Part No.		Part No.		Part No.		Part No.		Part No.		Part No.	

Models DAGA, DAGB, DAGC, DAGE, DAGG & DAGJ Removable Liners

LINER, Slush-Proof	FG45650		1FG45645		1FG45640		1FG45635		1FG45630		1FG45625	
LINER, Brass	45FG64		44FG64		43FG64		42FG64		41FG64		200FGG456	

Models DAGD, DAGF, DAGH & DAGK Removable Liners

LINER, Bronze	None		None		AG62		1AG64		AG64		AG121	
LINER, Iron	None		None		1AG62		3AG64		2AG64		1AG121	