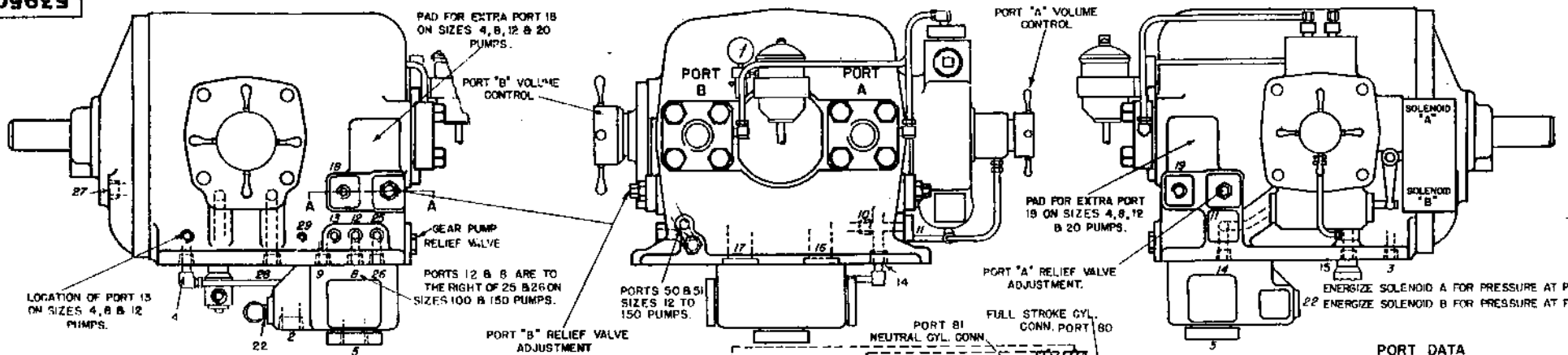
53950-D

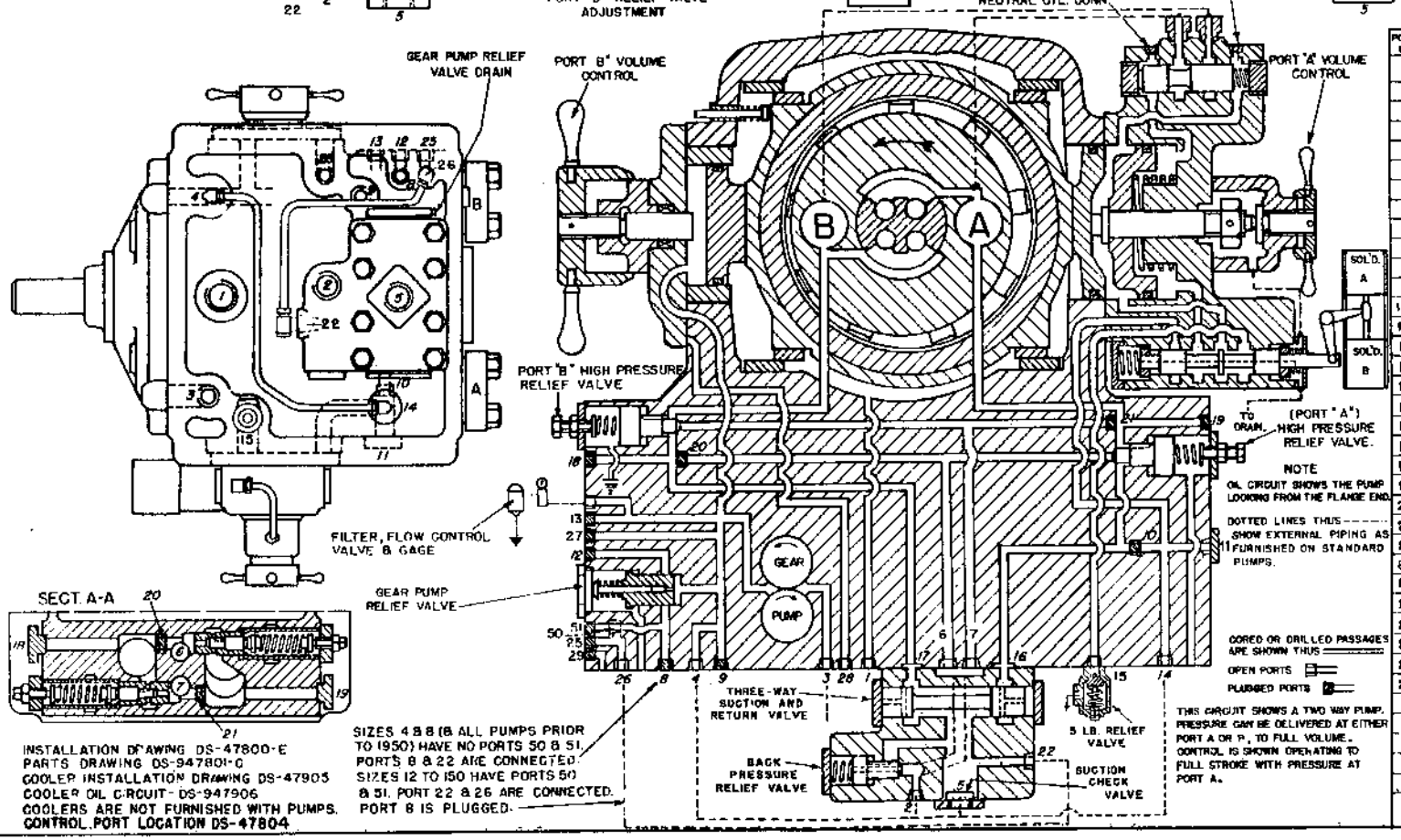
DR. CES APP. & M.

REISSUED SEPT. 15, 1955

THE OILGEAR CO.

DS-947820-D





NOTE

OIL CIRCUIT SHOWS THE PUMP LOOKING FROM THE FLANGE END.

DOTTED LINES THUS - - - - - SHOW EXTERNAL PIPING AS FURNISHED ON STANDARD PUMPS.

CORED OR DRILLED PASSAGES ARE SHOWN THUS ———

OPEN PORTS

PLUGGED PORTS

THIS CIRCUIT SHOWS A TWO WAY PUMP. PRESSURE CAN BE DELIVERED AT EITHER PORT A OR P, TO FULL VOLUME CONTROL IS SHOWN OPERATING TO FULL STROKE WITH PRESSURE AT PORT A.

INSTALLATION DRAWING DS-47800-E
PARTS DRAWING DS-947801-C
COOLER INSTALLATION DRAWING DS-47903
COOLER OIL CIRCUIT - DS-947906
COOLERS ARE NOT FURNISHED WITH PUMPS.
CONTROL PORT LOCATION DS-47804

SIZES 4 & 8 (8 ALL PUMPS PRIOR TO 1950) HAVE NO PORTS 50 & 51. PORTS 8 & 22 ARE CONNECTED. SIZES 12 TO 150 HAVE PORTS 50 & 51. PORT 22 & 26 ARE CONNECTED. PORT 8 IS PLUGGED.

PORT DATA

PORT NO.	PUMP SIZE	4	8	12	20	35	60	100	150
	PORT DESCRIPTION	PIPE TAP SIZE							
A	HIGH PRESSURE CONN.	3/8	1	1 1/4	1 1/2	2	2 1/2	2 1/2	2 1/2
B	HIGH PRESSURE CONN.	3/8	1	1 1/4	1 1/2	2	2 1/2	2 1/2	2 1/2
1	CASE DRAIN	3/8	1	1	1 1/4	1 1/2	2	2	2
2	EXCESS RETURN EXHAUST	1/2	1/2	3/4	1	1 1/4	1 1/2	1 1/2	1 1/2
3	GEAR PUMP SUCTION	3/8	1	1	1	1 1/4	1 1/4	1 1/4	1 1/2
4	GEAR PUMP PRESSURE	1/2	1/2	3/8	1/2	3/4	3/4	3/4	1
5	PUMP SUCTION	1/2	3/4	1	1 1/4	1 1/2	2 1/2	2 1/2	2 1/2
6	'A' RELIEF VALVE EXHAUST	3/8	1/4	1/4	3/4	1	1 1/4	1 1/4	1 1/4
7	'B' RELIEF VALVE EXHAUST	3/8	1/4	1/4	3/4	1	1 1/4	1 1/4	1 1/4
8	GEAR PUMP REL. VLV. EXH.	1/2	1/2	1/2	1/2	3/4	1 1/2	3/4	1
9	GEAR PUMP PRESSURE	-	-	-	1/2	3/4	1	1	1
10	'A' CORE TO CONTROL CONN.	1/4	1/4	1/4	1/2	1/2	3/4	3/4	3/4
11	'A' SIDE CONTROL CONN.	3/8	3/8	3/8	3/4	*	*	*	*
12	GEAR PUMP REL. VLV. EXH.	1/2	1/2	1/2	1/2	3/4	3/4	3/4	1
13	GEAR PUMP PRESSURE	1/2	1/2	1/2	1/2	3/4	3/4	3/4	3/4
14	'A' SIDE CONTROL CONN.	1/4	1/4	3/8	3/4	3/4	3/4	1	1
15	'A' SIDE CONTROL EXHAUST	3/8	3/8	1/2	3/4	1	1 1/4	1 1/4	1 1/4
16	'A' CORE SIZE	7/8	1 1/8	1 3/8	1 5/8	2 1/2	3	3	3
17	'B' CORE SIZE	7/8	1 1/8	1 3/8	1 5/8	2 1/2	3	3	3
18	'B' CORE CONNECTION	3/8	3/8	3/8	1/2	*	*	*	*
19	'A' CORE CONNECTION	3/8	3/8	3/8	1/2	*	*	*	*
20	'A' REL. VLV. CROSS. CONN.	1/4	1/4	1/4	3/8	1/2	3/4	3/4	3/4
21	'B' REL. VLV. CROSS CONN.	1/4	1/4	1/4	3/8	1/2	3/4	3/4	3/4
22	STANDARD SUPERCHARGE	3/8	3/8	3/8	1/2	3/4	3/4	3/4	1
80	FULL STR. CYL. CONN.	1/4	1/4	1/4	1/4	1/4	1/2	1/2	1/2
81	NEUTRAL CYL. CONN.	1/4	1/4	1/4	3/8	3/8	1/2	1/2	1/2
25	AUXILIARY CONN.	1/2	1/2	1/2	1/2	3/4	3/4	3/4	1
26	AUXILIARY CONN.	3/8	1/2	1/2	1/2	3/4	3/4	3/4	1
27	GEAR PUMP PRESSURE	1/2	1/2	1/2	1/2	3/4	3/4	3/4	1
28	'B' SIDE CONTROL EXHAUST	3/8	1/4	1/2	3/4	1	1 1/4	1 1/4	1 1/4
29	OIL FILTER DRAIN	-	-	-	-	-	1/8	1/4	1/4
50	G.P.R.V. EXHAUST	-	-	3/8	3/8	1/2	1/2	1/2	1/2
51	ACCESS PORT TO PORT 80	-	-	1/2	1/2	3/4	3/4	3/4	3/4

* BLANK FLANGES UNLESS OTHERWISE SPECIFIED

OILGEAR TYPE "DX" PUMP

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