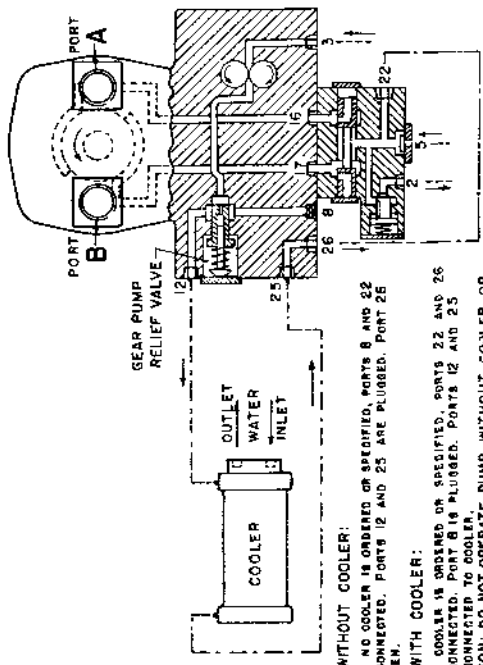


57706A  
 COOLER OIL CIRCUITS  
 TWO-WAY TYPE "D" PUMPS  
 DR. G. M. CH. G. M.  
 APR. 3, 1961

**SIZES 4 AND 8 PUMPS**  
 WITH DIFFERENTIAL CIRCUITS



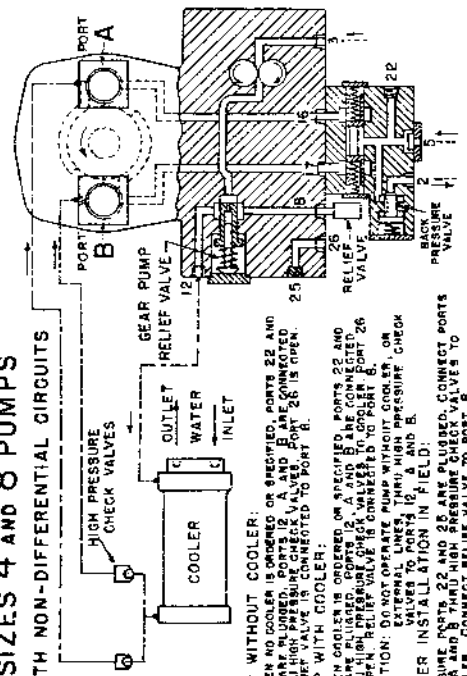
**PUMP WITHOUT COOLER:**  
 WHEN NO COOLER IS ORDERED OR SPECIFIED, PORTS 8 AND 22 ARE CONNECTED, PORTS 12 AND 25 ARE PLUGGED, PORT 26 IS OPEN.

**PUMP WITH COOLER:**  
 WHEN COOLER IS ORDERED OR SPECIFIED, PORTS 22 AND 26 ARE CONNECTED, PORT 8 IS PLUGGED, PORTS 12 AND 25 ARE CONNECTED TO COOLER.

**CAUTION:** DO NOT OPERATE PUMP WITHOUT COOLER OR EXTERNAL LINE CONNECTING PORTS 12 AND 25.

**\* COOLER INSTALLATION IN FIELD:**  
 BE SURE TUBE CONNECTING PORTS 8 AND 22 IS REMOVED, PLUG PORT 8, CONNECT PORTS 12 AND 25 TO COOLER.

**SIZES 4 AND 8 PUMPS**  
 WITH NON-DIFFERENTIAL CIRCUITS



**PUMP WITHOUT COOLER:**  
 WHEN NO COOLER IS ORDERED OR SPECIFIED, PORTS 22 AND 26 ARE CONNECTED, PORTS 12, A AND B ARE PLUGGED, PORT 25 IS OPEN, RELIEF VALVE IS CONNECTED TO PORT 8.

**PUMP WITH COOLER:**  
 WHEN COOLER IS ORDERED OR SPECIFIED, PORTS 22 AND 26 ARE CONNECTED, PORTS 12, A AND B ARE CONNECTED TO COOLER, PORT 25 IS OPEN, RELIEF VALVE IS CONNECTED TO PORT 8.

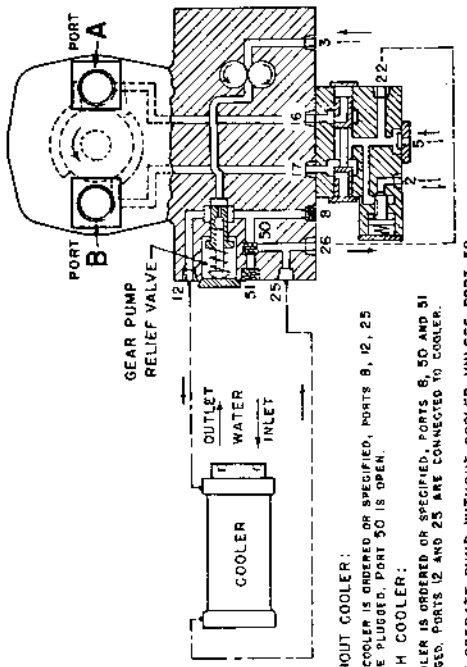
**CAUTION:** DO NOT OPERATE PUMP WITHOUT COOLER, OR EXTERNAL LINE CONNECTING PORTS 12, A AND B.

**\* COOLER INSTALLATION IN FIELD:**  
 BE SURE PORTS 22 AND 26 ARE PLUGGED, CONNECT PORTS 12, A AND B THRU HIGH PRESSURE CHECK VALVES TO COOLER, CONNECT RELIEF VALVE TO PORT 8.

**NOTE:**  
 OIL CIRCUIT SHOWN AS VIEWED FROM FLANGE END.  
 SEE OIL CIRCUIT OF SPECIFIC PUMP FOR MORE DETAILED INFORMATION.  
 COOLER INSTALLATION DRAWING-DS-47905.  
 \* OILGEAR RECOMMENDS BALVANIZED FITTINGS AND PIPE BE USED TO CARRY WATER TO AND FROM COOLERS.

**COOLER OIL CIRCUITS**  
**TWO-WAY TYPE "D" PUMPS**

**SIZES 12 TO 150 PUMPS**  
 WITH DIFFERENTIAL CIRCUITS



**PUMP WITHOUT COOLER:**  
 WHEN NO COOLER IS ORDERED OR SPECIFIED, PORTS 8, 12, 25 AND 51 ARE PLUGGED, PORT 50 IS OPEN.

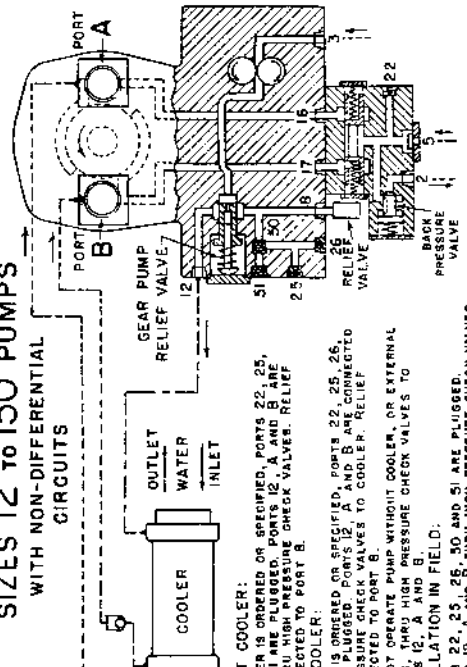
**PUMP WITH COOLER:**  
 WHEN COOLER IS ORDERED OR SPECIFIED, PORTS 8, 50 AND 51 ARE PLUGGED, PORTS 12 AND 25 ARE CONNECTED TO COOLER.

**CAUTION:** DO NOT OPERATE PUMP WITHOUT COOLER UNLESS PORT 50 IS OPEN AND PORTS 8, 12, 25 AND 51 ARE PLUGGED.

**\* COOLER INSTALLATION IN FIELD:**  
 BE SURE PORTS 8, 50 AND 51 ARE PLUGGED, CONNECT PORTS 12 AND 25 TO COOLER.

**NOTE:** PUMPS WITHOUT PORTS 50 AND 51 TO BE PIPED AS PER DIFFERENTIAL CIRCUIT FOR SIZE 4 AND 8 PUMPS.

**SIZES 12 TO 150 PUMPS**  
 WITH NON-DIFFERENTIAL CIRCUITS



**PUMP WITHOUT COOLER:**  
 WHEN NO COOLER IS ORDERED OR SPECIFIED, PORTS 22, 25, 26, 50 AND 51 ARE PLUGGED, PORTS 12, A AND B ARE PLUGGED, RELIEF VALVE IS CONNECTED TO PORT 8.

**PUMP WITH COOLER:**  
 WHEN COOLER IS ORDERED OR SPECIFIED, PORTS 22, 25, 26, 50 AND 51 ARE PLUGGED, PORTS 12, A AND B ARE CONNECTED THRU HIGH PRESSURE CHECK VALVES TO COOLER, RELIEF VALVE IS CONNECTED TO PORT 8.

**CAUTION:** DO NOT OPERATE PUMP WITHOUT COOLER, OR EXTERNAL LINES, THRU HIGH PRESSURE CHECK VALVES TO PORTS 12, A AND B.

**\* COOLER INSTALLATION IN FIELD:**  
 BE SURE PORTS 22, 25, 26, 50 AND 51 ARE PLUGGED, CONNECT PORTS 12, A AND B THRU HIGH PRESSURE CHECK VALVES TO COOLER, CONNECT RELIEF VALVE TO PORT 8.