



# INSTRUCTIONS

## OILGEAR TYPE "R" HYDRAULIC TWO POSITION REMOTE CONTROL FOR "D & DC" UNITS

BULLETIN 947601A

### REFERENCE INSTRUCTION BULLETINS

Type "D" Variable Delivery Pumps w/o Controls----- 947000

Type "DC" Any-Speed Transmissions w/o Controls-----967900

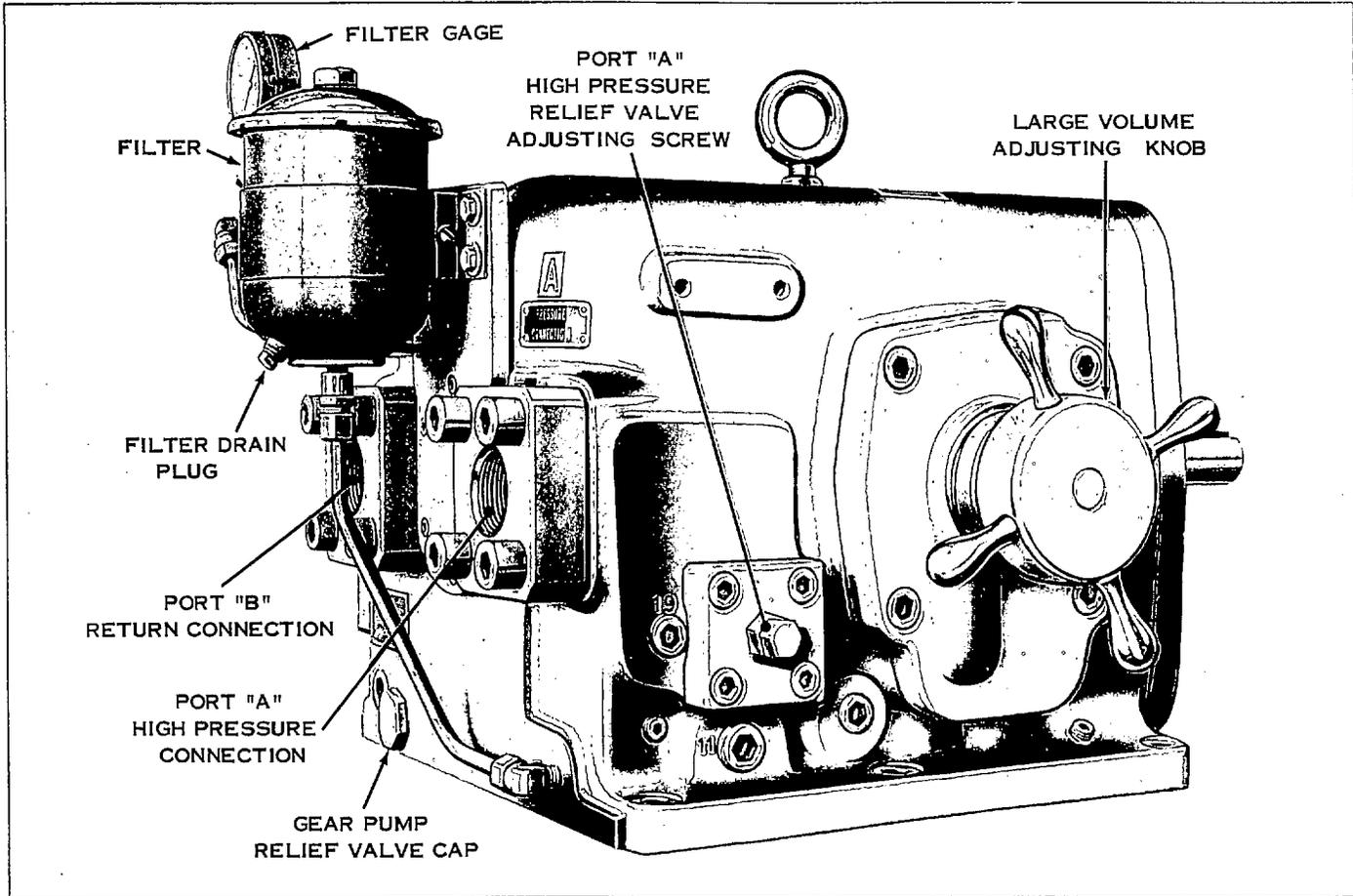


Figure 1. Oilgear "R" Hydraulic Remote Controlled Type "D" Pump. (53260).

### TO THE USER AND OPERATOR OF OILGEAR "R" CONTROLLED UNITS:

These instructions are printed to simplify and minimize your work of operating and maintaining Oilgear "R" controlled units. Your acquaintance with the construction, principle of operation and characteristics of these units will help you obtain optimum performance, reduce shutdowns and increase service life. We feel confident the unit will operate to your satisfaction if these instructions are adhered to. Some controls have been modified for specific applications from those described in this bulletin.

### I. CONSTRUCTION.

The control consists basically of a large control piston (301) with piston ring (302), an adjusting screw (312) with knob (310), and a gland (314) secured to control housing (300). Some type "R" controls use coarse thread adjusting screws to provide faster adjustments and incorporate a thumb-screw to lock the setting. Other special controls are equipped with a

choke, or check and choke arrangement to provide acceleration and deceleration control. Some controls are equipped with a no-leak packing assembly in place of piston ring. Type "R" control is normally mounted on the left side of unit (facing input shaft), opposed by a type "L" adjustable hydraulic operator. See "Standard Opposing Operators." Some units may use other opposing controls for additional functions.

THE OILGEAR COMPANY  
MILWAUKEE, WISCONSIN, U. S. A. 53204

Reissued: July, 1964

BULLETIN 947601A

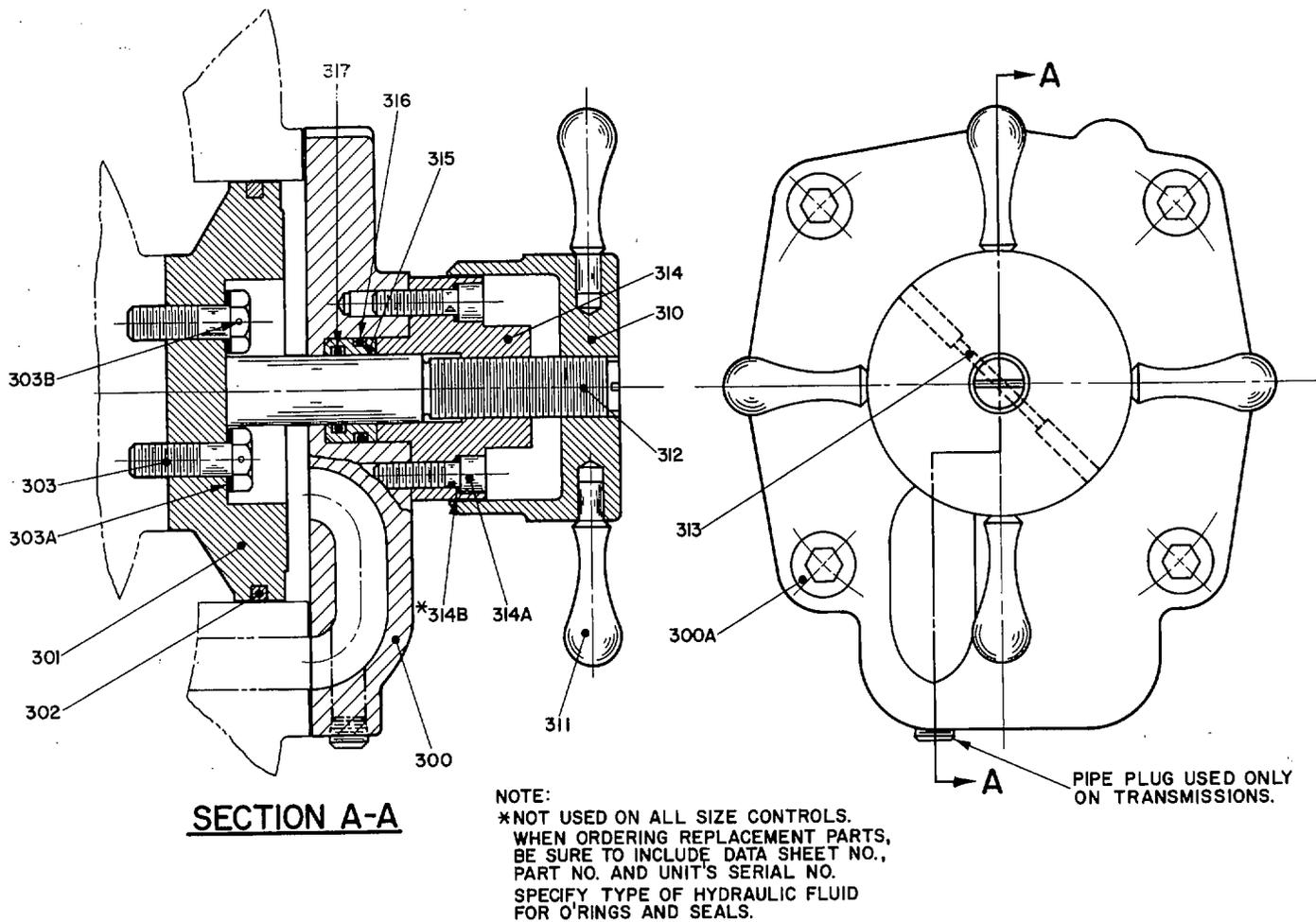


Figure 3. Parts Drawing, Oilgear Type "R" Control. DS-947600-D (51723-D).

IX. PARTS LIST

Part No.	Description	Part No.	Description	Part No.	Description
300.	Housing, Control	303B.	Wire, Lock	314A.	Screw, Sock. Hd. Cap
300A.	Screw, Sock. Hd. Cap	310.	Knob, Adjusting	*314B.	Washer, Lock
301.	Piston, Control	311.	Handle, Knob	315.	Sleeve, Adj. Screw
302.	Ring, Piston	312.	Screw, Adjusting	316.	Seal, O'ring
303.	Screw, Piston	313.	Pin, Taper	317.	Seal, O'ring
303A.	Gasket, Screw	314.	Gland, Adj. Screw		

\*Not used on all sizes

NOTE: When ordering replacement parts, be sure to include data sheet (DS) number, part number and serial number of unit. When ordering O'rings or seals, specify type of hydraulic fluid used.

O'RING SIZES

Cross Section x O.D. Duro ± 5

Part No.	UNIT SIZE								
	2, 4, 8 & 12		20 & 35		60, 100 & 150				
316.	1/8 x	1-1/4	90	1/8 x	1-1/2	90	1/8 x	2-1/4	90
317.	3/32 x	15/16	90	1/8 x	1-1/4	90	1/8 x	1-3/4	90

IV. MALFUNCTIONS & CAUSES. (See unit instructions).

- |   |   |
|---|---|
| <p>A. Unresponsive Control.</p> <ol style="list-style-type: none"> <li>1. Excessive leakage past control piston and ring.</li> <li>2. Faulty remote control valve.</li> <li>3. Insufficient gear pump pressure.</li> <li>4. Binding slideblock, see reference bulletins.</li> </ol> | <p>B. Volume Adjustment Creep.</p> <ol style="list-style-type: none"> <li>1. Worn control screw or gland thread.</li> <li>2. Worn or loose gland packing (early models).</li> </ol> |
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