

OPERATION

The cam rotates and through the action of the rocker arm, causes the plunger to reciprocate within its bore in the pump body.

The pump stroke, and thus its output, can be changed by varying the adjusting sleeve position. Maximum output is obtained when the adjusting sleeve is fully extended from the pump body

SUCTION STROKE; VIEW "A"

As the plunger moves downward, oil is drawn through the suction check and into the plunger bore from the small reservoir in the sight-feed base. Reducing the volume of oil in the sight-feed reservoir creates a vacuum which draws oil from the lubricant supply source, through the suction tube and into the passage in the sight-feed glass. Some quantity of oil will then enter the sight-feed nozzle and drip into the reservoir below. The quantity of lubricant can be determined by counting the drops as they fall

DISCHARGE STROKE; VIEW ''B''

As the plunger moves upward, oil is forced from the plunger bore through the outlet checks and into the bearing feedline

The suction check prevents backflow into the sight-feed assembly and allows residual vacuum to draw any oil which by-passes the plunger back into the sight-feed reservoir through the return passage





STARTING INSTRUCTIONS

- 1) Connect the supply line (either gravity supply pressurized supply or pump suction from supply source) to lubricant inlet tube
- 2) Manually operate the pump with the priming stem until oil without air bubbles, flows from the pump outlet
- 3) Connect the feedline to the pump outlet union and manually operate the pump with the priming stem until the feedline is filled.
- 4) Connect the feedline to the bearing point. A feedline check value at the bearing point is recommended and is available as an accessory item
- 5) Adjust the pump to the desired output

SETTING PUMP OUTPUT

Count the number of drops falling through the sight-feed glass in one minute. Set the adjusting sleeve to obtain the desired quantity and secure the setting with the locknut. Conversion factors: 1 drop = 002 cu in 500 drops = 1 cu in

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4659						
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93033		34685				
(Ref)		- 41263				
		41200			SER	VICE PARTS
11		31659				·····
		70167	880365	PART	QUAN.	DESCRIPTION
		15703	- Sight Feed	13122	1	Head pin
		33149	Assembly	15172	1	Coupling nut
				15703	1	Gauge glass screw
		16585©	- 16" Tuburg	16093	1	Adapter
			(Supplied by Customer)	16425	1	Cap
A month		\$ P		16585	1	Extension
		_ 31-60©		31167	1	Gasket
			- 70059	31170	2	Washer Washer
KATE	ALL LINA	-33	118 70145 880.104	33149	I	Gasket
1400	伊旧	<u>[]</u>	Sight Feed	33150	1	Gasket
11,22			34437 3 10095 Assembly	34410	1	O-ring
]	L	134		34437	i	()-ring
			医兰牙第二- 880365	34464	}	O-ring Conduct
-		13	Rat art	24659	1	() asket
		R		34685	1	O-ring O-ring
	ers el l	34 464	Madala 990402 8, 990464	34760	1	Gasket
		1	Mudels 680403 & 880404	41263	1	Body
		1	(do not use 15911 Plug, 34659 O-ring,	41527	1	Rocker arm
		47-	92834 Shut Off Valve & 93033	48522	1	Spring retainer
	a for the		Suction Tube & Collar Assembly)	56131	4	Socket head screw
.,				66003	1	Check ball
) P	lunger Body &	66042	1	Cotter pin
\sim	0	s	Support Assembly	70059	1	Sleeve
				70145	1	Nut
				70167	;	
		F	7	70167 70224	1	Gauge glass Screw
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Normal sight-feed operation can be restored by momentarily loosening the nozzle plug assembly at the top of the sight-feed to break the vacuum within the sight-feed. Do not leave-the nozzle plug open for very long as this will allow air to enter supply tube and may later cause an airlock