

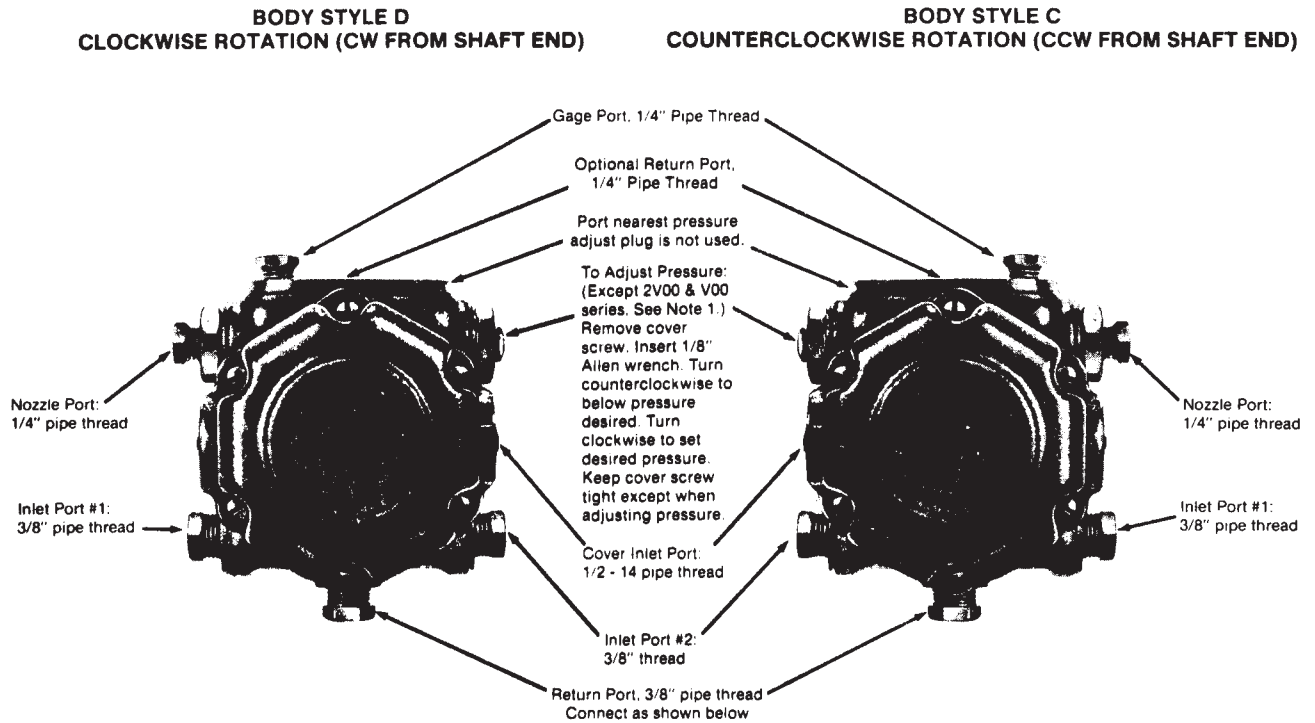
## Installation Data

**V series light or heavy oil pumps,  
single stage & two stage  
34 SSU thru 1000 SSU**

V Series pumps are shipped from the factory set for two-pipe operation. They are not recommended for use in single pipe systems (except series V00, see Note 1).

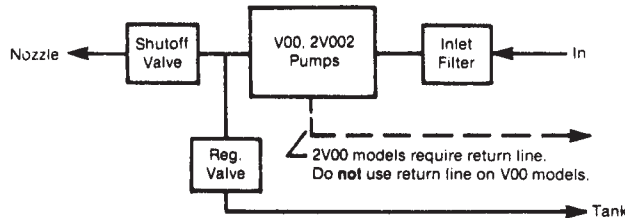
for use on the threads of all fittings. Teflon tapes or paste must be used with care to prevent depositing tape pieces or fibers into critical internal areas of the pump. Reduced torques must be used with teflon materials to avoid thread or casting damage. EVIDENCE OF TEFLON MATERIAL IN INTERNAL AREAS OF THE FUEL UNIT WILL BE CAUSE TO VOID WARRANTY.

**IMPORTANT:** Do not loosen or try to tighten any pump plugs not to be used in the installation. NON-HARDENING OIL PIPE DOPE IS RECOMMENDED

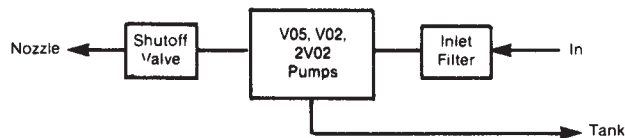


NOTE 1: Do not connect return line to V00 series pump. Keep both return ports plugged. V00 and 2V00 do not have internal regulation. Use external regulation if required. Return line **must** be connected to 2V00 models.

### V00, 2V00 SERIES WITH NO INTERNAL REGULATION



### V0, 2V0 SERIES WITH INTERNAL REGULATION



Replaces Bulletin 131-26558-8 and -9

## INSTALLATION

1. Connect inlet line to preferred INLET PORT.  
Use of inlet in cover is recommended for minimum inlet vacuum loss. Connect nozzle line to nozzle port.
2. Connect return line to preferred RETURN PORT except on V00 pumps. Use of bottom return is recommended to minimize back pressure. Top return port not recommended for oil heavier than #2.
3. Plug all unused ports securely.
4. Start burner. Two stage and most one stage pumps will self-vent. V00 with shut-off valve in nozzle line may have to be vented manually by loosening GAGE PORT plug. Tighten plug securely when oil flows clear.

### INSTALLATION NOTES:

"Fuel unit inlet pressures should not exceed 3 psig in order to comply with National Fire Protection Association's Bulletin 31."

To assure maximum performance, INLET VACUUM, measured at unused INLET PORT, should not exceed 10" HG on single stage pumps or 15" HG on two stage pumps.

Note: Max. Recommended Firing Rates apply to 10" Hg for Single Stage Units and 15" Hg for Two Stage Units.

Shaft RPM	Max. Recommended Firing Rate GPH 34SSU		Max. Recommended Firing Rate GPH 1000SSU		Inlet Line Sizing Requirement GPH 34SSU thru 1000SSU		Recommended Motor H.P.			
	1725	3450	1725	3450	1725	3450	34SSU		1000SSU	
	1725	3450	1725	3450	1725	3450	1725	3450	1725	3450

#### V05 & V02 SERIES SINGLE STAGE FUEL PUMPS (WITH INTERNAL REGULATION)

100 PSI Ratings	V052C-4D020	40	75	65	135	65	135	.25	.33	.25	.75
	V056C-4D020	130	—	190	—	190	—	.50	—	.75	—
300 PSI Ratings	V022C-4D020	20	60	50	120	50	120	.50	.75	.50	1.0
	V023C-4D020	40	105	80	185	80	185	.50	1.00	.50	1.5
	V024C-4D020	60	140	110	240	110	240	.75	1.5	.75	2.0
	V026C-4D020	95	—	155	—	155	—	1.0	—	1.0	—
	V028C-4D020	115	—	190	—	190	—	1.5	—	2.0	—

#### 2V02 SERIES TWO STAGE FUEL PUMPS (WITH INTERNAL REGULATION)

300 PSI Ratings	2V022C-5D020	20	60	50	120	100	105	.50	1.0	.50	1.5
	2V023C-5D020	40	105	80	185	140	170	.75	1.5	.75	2.0
	2V024C-5D020	60	—	110	—	200	—	.75	—	1.0	—
	2V026C-5D020	95	—	155	—	250	—	1.5	—	1.5	—

#### V00 SERIES SINGLE STAGE TRANSFER PUMPS (WITH NO INTERNAL REGULATION)

20 PSI Ratings*	V002C-4D0	45	85	70	140	70	140	.25	.25	.25	.50
	V003C-4D0	70	140	100	205	100	205	.25	.25	.25	.75
	V004C-4D0	95	175	140	270	140	270	.25	.25	.25	.75
	V006C-4D0	145	—	200	—	200	—	.25	—	.50	—
	V008C-4D0	180	—	250	—	250	—	.25	—	.75	—
*Operating pressure to 300PSI permissible (using external regulating valve). V00 Series ratings at 100 PSI same as V05 ratings above. V00 Series ratings at 300 PSI same as V02 ratings above.											

#### 2V00 SERIES TWO STAGE TRANSFER PUMPS (WITH NO INTERNAL REGULATION)

20 PSI Ratings*	2V006C-5D0	145	—	200	—	250	—	.33	—	.75	—
*Operating pressure to 300 PSI permissible (using external regulating valve). 2V00 Series ratings at 300 PSI same as 2V02 ratings above.											

#### 2V08 SERIES SUPPLY PUMP (WITH INTERNAL REGULATION)

80 PSI Ratings	2V086C-5D04	135	—	190	—	250	—	.50	—	1.0	—
----------------	-------------	-----	---	-----	---	-----	---	-----	---	-----	---