

PLASTIC CENTRIFUGAL PUMP

CENTRIFUGAL PUMPS SERIES 142

PERFORMANCE



FEATURES

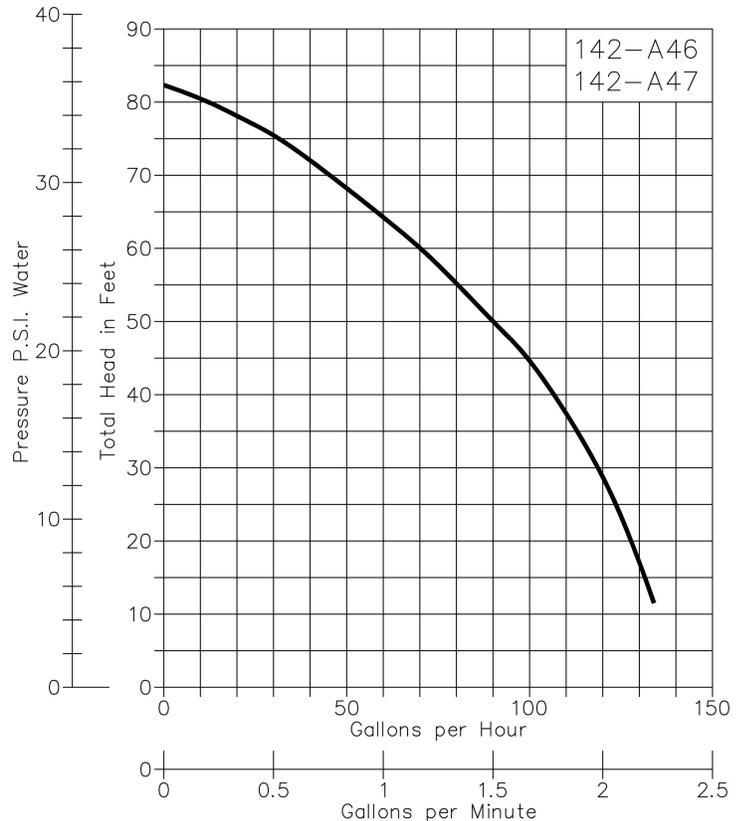
- Chemical resistant construction
- Body and Adapter made of non-metallic glass reinforced Nylon 6/6
- Impeller made of non-metallic glass reinforced PPS
- Mechanical Seal - Type 6A carbon/ceramic faces, fluoroelastomer elastomers
- Barbed -Hose Connections
- Static Nitrile O-Ring body/adapter seal
- Integrated Air Vent - prevents loss of prime
- Compact and Lightweight
- Installation/Mounting Versatility - port orientation
- Universal - Open Drip Proof Motors with internal fan cooling, UL, CSA
- No 18 Wire leads - 25" long
- Low amperage - 120VAC, 240VAC (Optional: double insulation) and 12VDC versions.

DRIVE

One of the outstanding features of this pump is its compact A.C. or D.C. motor size. The motors are ODP with an internal cooling fan and are UL listed and is rated for continuous duty. Rotation is clockwise from shaft. 50 Hz is permitted. There is a #6-32 tapped hole ground connection provided on the end of metal framed motors.

LIQUIDS AND TEMPERATURE

Maximum fluid temperature is 200°F. Fluids must be compatible with fluoroelastomer seal elastomer. To promote long product life, assure that ambient air can circulate around the unit to prevent over-heating. Ground metal frame motors. There is a #6-32 tapped hole ground connection provided on the end of metal framed motors.



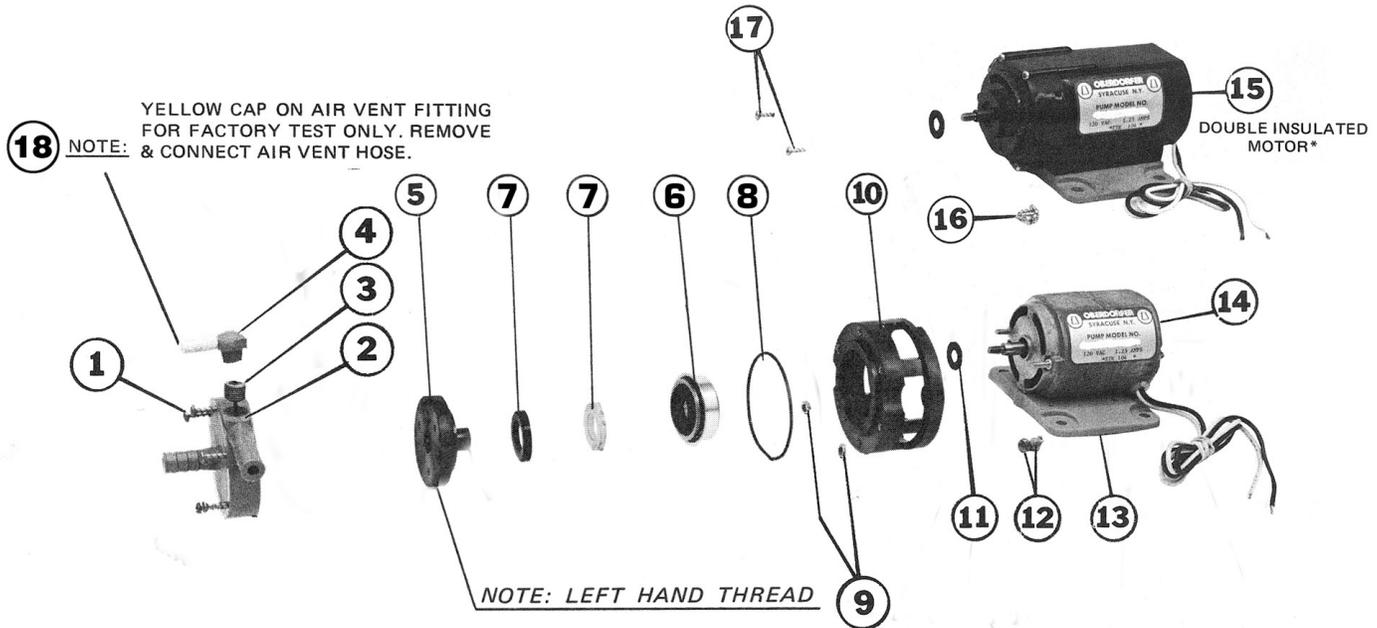
SUCTION LIFT

Prevent air trapping in plumbing lines by avoiding loops. Use air vent fitting connection to purge air. Though capable of pulling slight vacuum, the pump performs best under flooded suction conditions when located for gravity feed.

An optional air vent fitting prevents loss of prime that can occur due to entrapped air. It is factory installed with a disposable vent cap. Entrapped air can be encountered in applications where the liquid in the supply tank is completely exhausted. Air can be introduced to the system before the next tank filling.

For best results, configure and install pump with air vent near the top.

EXPLODED VIEW AND PARTS LIST



1	2	3	4	5	6*	7	8	9	10	11	12	13	14	15	16	17	18
SCREW	BODY	PLUG	VENT FITTING	IMPELLER	SEAL HEAD	SEAL SEAT	O-RING	NUT	ADAPTER	SLINGER	SCREW	BASE	MOTOR	MOTOR	SCREW	SCREW	VENT CAP
6 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	2 Req'd	1 Req'd	1 Req'd	2 Req'd	1 Req'd	1 Req'd	1 Req'd	4 Req'd	2 Req'd	1 Req'd

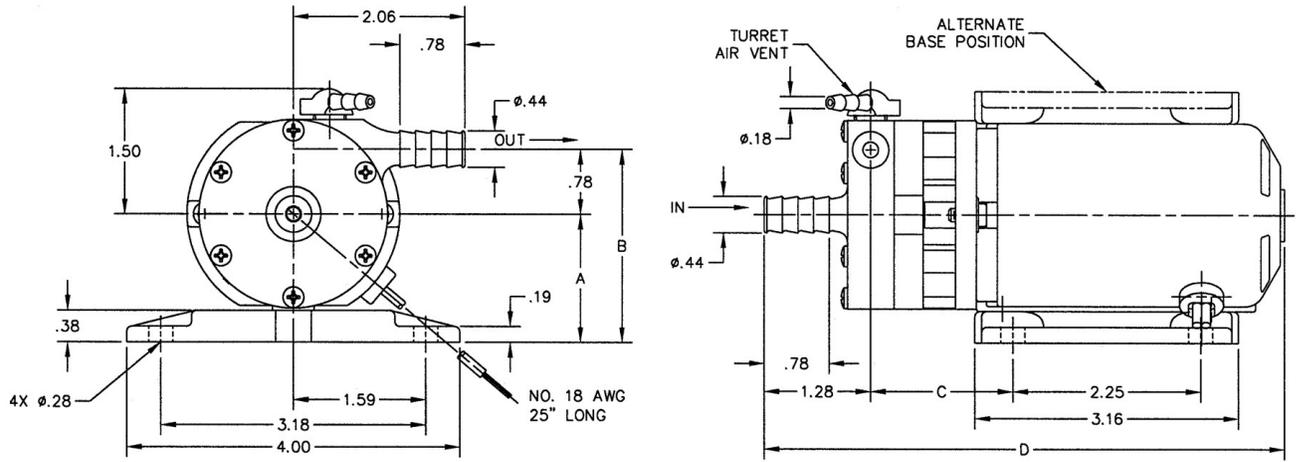
Pump	1	2	3	4	5	6*	7	8	9	10	11	12	13	14	15	16	17	18
142-	7819	7752	7835	--	9407	8174	807901	7818		8255	6651		8367					--
142- 01	7819	7752	--	7799	9407	8174	807901	7818		8255	6651		8367					7879
142- 02																		
142- 08																		
142- 12																		
142- 56																		
142- 10	7819	7752	--	7799	9407	8174	807901	7818		8255	6651		--					7879
Motor																		
A44									7823			7821		8370	--	--	--	
A46									--			--		--	8516	8450	9200	
A47									--			--		--	8517	8450	9200	
A91									--			--		--	2057	8450	9200	

Notes:

*adhesive used to mount seal head to adapter

Repair Kits:	Kit #		
Complete Pump Repair Kit (less motor) *	11227	includes items	1,2,3,4,5,6,7,8,9,10,11,17,18
Body Kit	11337	includes items	1,2,3,4,8,18
Adapter Kit *	11228	includes items	1,6,8,9,10,11,17
Impeller Kit	11178	includes items	5,7,8

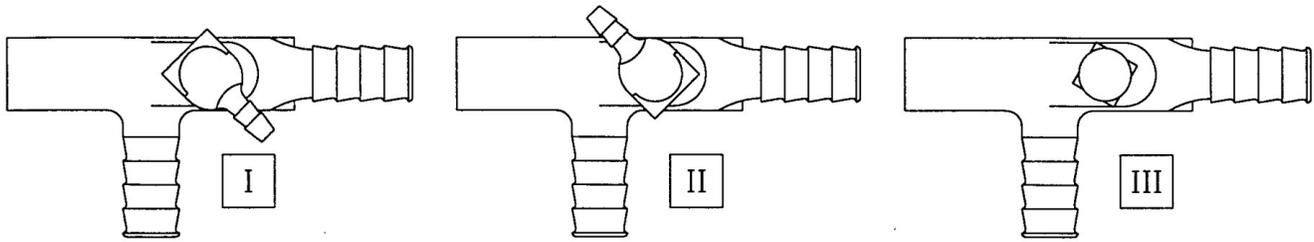
DIMENSIONS



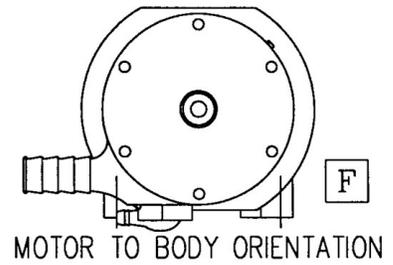
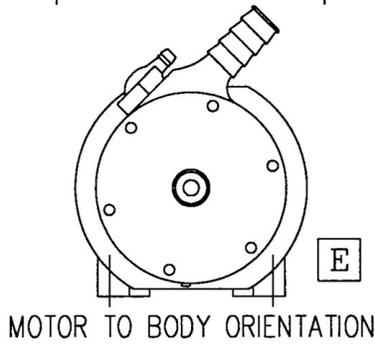
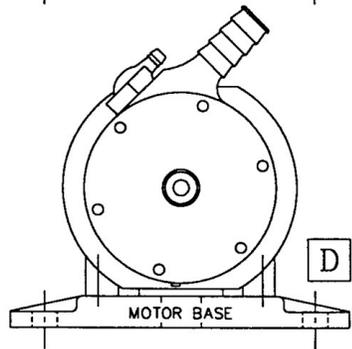
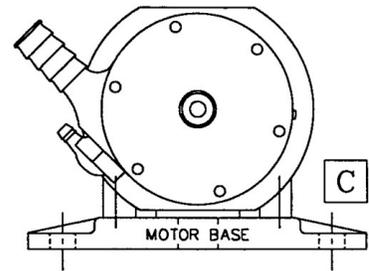
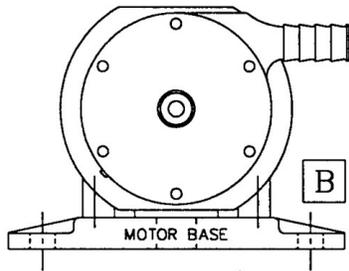
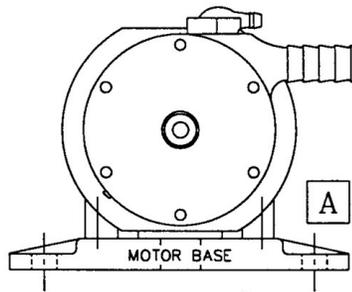
DIMENSIONS				
PUMP	A	B	C	D
142-01A44	1.54	2.32	1.71	6.25
142-01A46	1.67	2.45	2.74	7.16
142-01A47	1.67	2.45	2.74	7.16
142-01A91	1.67	2.45	2.74	7.16

ADDITIONAL

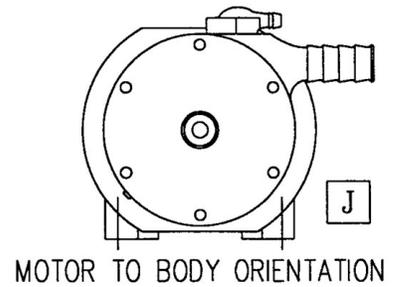
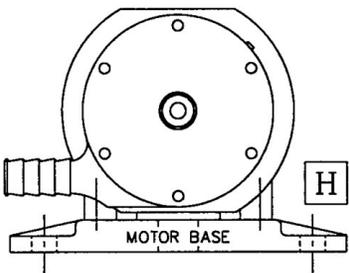
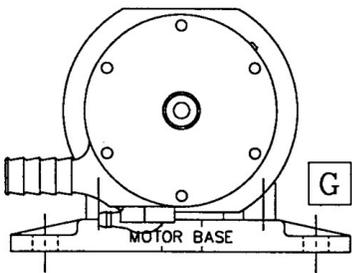
VENT TURRET / PLUG POSITIONS AS VIEWED FROM THE TOP OF BODY



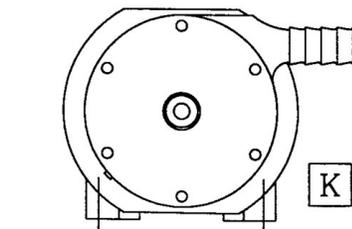
BODY ORIENTATION TO MOTOR OR MOTOR BASE AS SEEN FROM FRONT



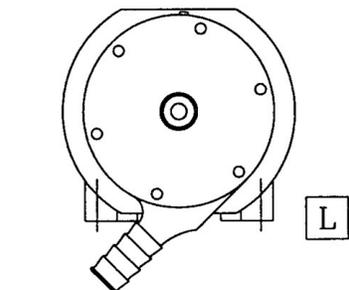
MOTOR TO BODY ORIENTATION



MOTOR TO BODY ORIENTATION



MOTOR TO BODY ORIENTATION



MOTOR TO BODY ORIENTATION

