

## 12 AND 13 SERIES

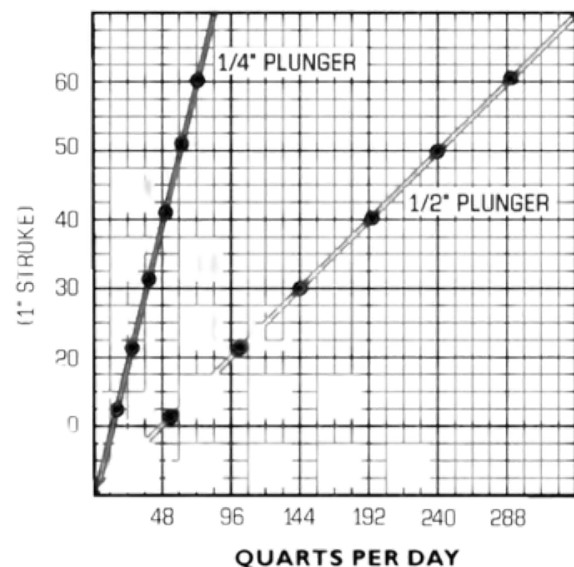


### DESCRIPTION

The SES Arrow 12 Series Chemical Pump operates on gas or air at a regulated supply pressure of 15 to 75 PSI. It is constructed of high quality 316 stainless steel, with the piston rod composed entirely of 17-4 PH. Buna and Viton packing are available. The stainless steel timer assembly contributes to a longer life for the chemical pump. Due to the small piston volume, the 12 Series Chemical Pump is extremely economical to operate.

The SES Arrow 12 Series Chemical Pump is a positive displacement unit powered by gas or air. The 12 Series Pump fills the requirements of a broad range of applications because of its ability to achieve high discharge pressures and wide volume ranges. The pumps are precision designed to consistently inject metered amounts of de-emulsifiers, solvents, corrosion inhibitors, methanol, and desalting agents into wellheads and pipelines

### STROKE VS QUARTS

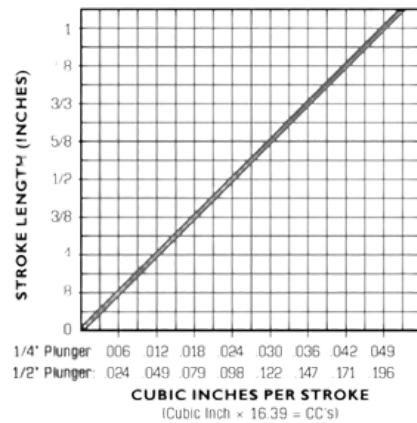


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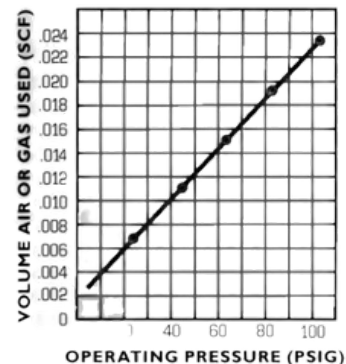
### FEATURES

- All 300 Series S.S. construction
- Compact, easy to mount 11" x 9" x 3", weighs only 7lb. 2 oz.
- Discharge pressure to 3,000 PSI.
- Mounts in vertical position for easy operation
- Up to 5500 PSI maximum discharge pressure
- Supply gas ports plumbable for return to low pressure system or exhaust
- Packing gland grease jack for positive lubrication
- Either horizontal or vertical suction entry to the pump
- Up to 1" stroke available, outside adjustable.
- Up to 50 strokes per minute available, outside adjustable
- Furnished with SS line check valve
- Can easily be mounted vertical on top of a drum of chemical by using an optional drum adapter
- Optional supply gas filter and regulator available for higher supply gas pressures
- Either 1/4" or 1/2" plunger size available

### VOLUMETRIC DISPLACEMENT



### GAS CONSUMPTION



PLUNGER	SUPPLY PRESSURE	DISCHARGE PRESSURE	PRESSURE RATIOS
1/4" (6.3MM)	15/75 PSI 1-5.1 ATMS	5500 Max. 374 ATMS	73.3
1/2" (12.7MM)	15/75 PSI 1-5.8 ATMS	1500 Max. 102 ATMS	17.6