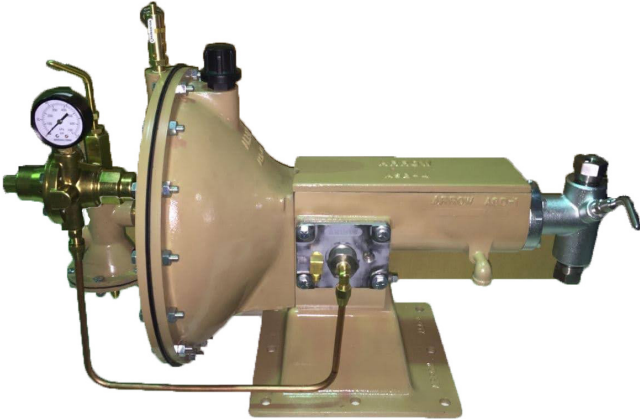


500 SERIES



APPLICATIONS

- Introducing detergents in air-gas drilling operations
- Blending foaming agents in water-laden gas wells
- High-pressure addition of fluid compound in blending and chemical processing
- Introduction of de-salting agents, de-emulsifiers, inhibitors and flocculants in crude oil and gas steams
- Methanol and alcohol injection in gas systems to prevent freezing
- High and low-pressure lubrication systems
- Hydrostatic testing
- Glycol circulation
- Water treatment
- High-pressure injection applications

DESCRIPTION

The SES Arrow Series 500 chemical injectors, engineered to precision specifications, are positive displacement units with integral gas motors. You will find the horizontal plunger and vertical resilient check valve arrangement will assure you of high operation efficiency. They are capable of achieving extremely high discharge pressures of up to 12,000 psi and also a wide range of volumes.

The built-in priming valve improves pump head priming, enabling you to easily check the pump operation. It also provides a sample catching device. You will find the pump frame and body castings are constructed of the highest quality aluminum.

To prevent any dust or other contaminants from entering the system, the operating mechanism operates in oil. The main diaphragm is protected against accidental overpressure with a safety valve, thus improving the operation of the SES Arrow injector. You will find that the adjustable packing, with the lantern ring and Grease jack for lubricating the Plunger, will provide consistent and reliable service.

500 SERIES

FEATURES

- Maximum capacities to 500 gallons per day (1/4" to 1 1/4" plunger)
- Resilient seat heads and line checks are fitted with Buna-N o-ring
- Viton® furnished upon request at no extra charge
- Discharge pressure to 12,000 PSI
- Built-in priming valve
- Steel or stainless fluid ends. Pump heads are available with metal-to-metal seats and Teflon packing at no extra charge when ordered on new pumps

CAPACITY DATA

PLUNGER SIZE	MAXIMUM DISCHARGE PRESSURE		MODEL NO	MAXIMUM GALLONS/DAY
	HARD PACKING	SOFT PACKING		
1/4"	12,000	3,000	500-2	16
3/8"	12,000	3,000	500-3	43
1/2"	12,000	3,000	500-4	85
3/4"	5,000	3,000	500-7	160
1"	N/A	3,000	500-8	320
1 1/4"	N/A	2,000	500-9	600

VOLUMETRIC CONVERSION DATA

