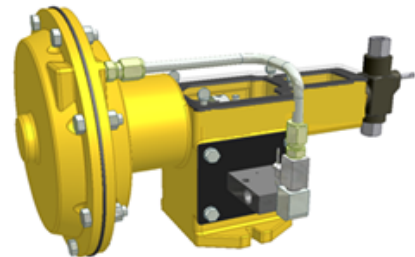


The **BR5100 Chemical Injector Pump** is a single acting, positive displacement plunger type pump. Pump operation is powered with gas pressure as low as 8 psig (35 psig-max.) acting onto a diaphragm resulting in plunger displacement. When full stroke (1 inch) is reached the internal switching system (standard supply - Micro Switch, Pilot Valve - optional) shuts off the supply gas and vents the diaphragm chamber. The diaphragm is equipped with a spring return allowing plunger retraction. The pump is capable of handling volume output to 30 gallons per day and discharge pressures up to 6000 psig. It is designed for ease of operation and maintenance under varied pumping applications at the field level. Conversion for handling of various chemicals is easily accomplished by the change out of the packing set and fluid end seals.

TECHNICAL SPECIFICATIONS

◆ Air or Gas Driven		
◆ Volume (maximum)		30 Imp. Gallons per Day
◆ Stroke Rate		0 to 30 strokes per minute
◆ Pressure	Std.	3000 psig (std. packing)
	Max.	6000 psig (hard packing)
◆ Operating Air or Gas Pressure	Min.	8 psig (*)
	Max.	35 psig
◆ Available Plunger Sizes	Std.	3/16", 1/4", 3/8", 1/2"
◆ Stroke Length	Min.	1/3"
	Max.	1"
◆ Switching System	Std.	Micro Switch
	Opt.	Pilot Valve - Rotary
◆ Materials		
◆ Pressure Head Body	Std.	Ductile Iron
	Opt.	Stainless Steel (standard on 3/16" size)
◆ Internal Wetted Components	Std.	Stainless Steel
◆ Plunger	Std.	Case Hardened (Nitrided) Stainless Steel
◆ Packing - V Style	Std.	Buna
	Opt.	Buna-Hard, Viton, Teflon, Fluorosilicone
◆ Seals - O-Rings	Std.	Fluorosilicone
	Opt.	Buna, Viton, Teflon, Metal-toMetal
◆ Diaphragm	Std.	Thick molded Buna w/ Nylon reinforcement



*(recommended - dependent on injection pressure requirements, some applications may work on pressures as low as 4 psig)

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