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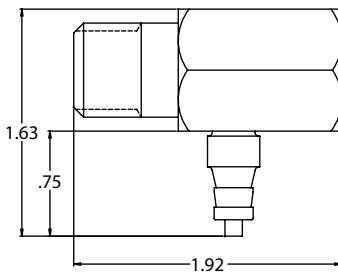
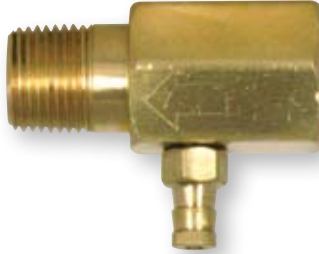
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588 SERIES CHEMICAL INJECTOR



Design Considerations

The SMC 588 Chemical Injector design covers 3/8" downstream injection applications. The 588 Injector is ideal for use with the SMC Hi-Lo Nozzle. A check valve built into the injection barb keeps high pressure rinse water from flowing into the chemical container. The 588 Injector draws chemical when pressure drops through the venturi and the injection barb check valve opens. The rate of injection is controlled by inserting the included metering orifices into the injection barb. Three set rates can be achieved by using no orifice, the .035 Black or .029 Brass orifice per the Injection Capabilities listed below. A wider range of injection capabilities can be achieved by removing any orifice in the injection barb and inserting a Needle Valve in the chemical line.

Maximum Operating Pressure — 1500 psi

Maximum Operating Temperature — 180°F

Options

Material Options	Brass Body, Venturi and Hose Barb Stainless Ball and Spring EP Seal		
Inlet End	3/8 Female NPT		
Outlet End	3/8 Male NPT		
Injection Barb	1/4 Hose Barb		
System Flow Rate	BRS INJECTOR #7 Flow Rate – 1.3 to 2.2 GPM BRS INJECTOR #8 Flow Rate – 2.3 to 2.8 GPM BRS INJECTOR #9 Flow Rate – 2.9 to 5.7 GPM		
Injection Capabilities	Orifice Diameter	1 CPS = Approx. Viscosity of Water	70 CPS = Approx. Viscosity of #10 Oil
	None	28 Ounces per Minute	7.5 Ounces per Minute
	.035 (Black)	10 Ounces per Minute	3.5 Ounces per Minute
	.029 (Brass)	7 Ounces per Minute	2.0 Ounces per Minute

Example of How To Order

Injector Size
558-7

SMC Part Number: 558-7 CHEMICAL INJECTOR

SMC Part Numbers are a description of the Injector Model Sized for System Flow Rate
Example: 558-7 CHEMICAL INJECTOR = 1.3 to 2.2 GPM

SMC will quote alternate materials or customize our standard products when quantities ensure competitive pricing.