



RVA Fluid Pressure Relief Valves

SERVICE BULLETIN
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Please Read These Instructions Before Using This Equipment

RVA-501



RVA-502



RVA-503



SPECIFICATIONS

MODELS	VALVE BODY	VALVE ASSEMBLY	PORT POSITIONS			USAGE
			Inlet	Outlet	Gauge	
RVA-501 formerly 44167-010	Nickel Plated Zinc	Nitalloy	side or bottom	side	cap	Most common coating and finishing materials. Not intended for highly corrosive or highly rust inducing materials.
RVA-502	Nickel Plated- Aluminum	Stainless Steel			none	
RVA-503	Stainless Steel		side		valve body	
General Pressure Range 10 to 140 psi Port Thread Sizes Inlet(s) and Outlet 1" NPT(F) Gauge Port(s) 1/4" NPT(F) Capacity 10 gpm Not intended for use with highly abrasive materials.						

INSTRUCTIONS

DESCRIPTION

Basically, the fluid pressure relief valve serves two functions in a circulating system; (1) as a back pressure valve to maintain system pressure and maintain paint flow when no paint is being used; (2) as a by-pass valve to protect against excessive line pressure, the result of either paint flow exceeding valve capacity or the result of a restriction in the line beyond the by-pass valve.

IMPORTANT: *Unless otherwise specified, these relief valves are not designed for highly abrasive, highly corrosive, nor highly rust inducing materials. If used with materials which have such characteristics, it must be expected that frequent and thorough cleaning will be required and/or the necessity for replacement of parts will be increased.*

INSTALLATION

Back Pressure Regulation (See Figure 1)

When the valve is installed in the system for back pressure regulation, it is installed as near the return end of the line as possible at a point beyond the last spray station. This serves to provide a constant back pressure at all take off points along the line.

By-Pass Use (See Figure 1)

In addition to functioning as a back pressure valve, the valve also performs the function of a by-pass valve when it is installed in the outgoing line ahead of the first spray station. In addition to limiting line pressure the valve by-passes material to the supply point should there be an interruption of normal material circulation in system.