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RV-110

When All Else Fails

When the pressure in an instrument or system rises too high, so too does the risk of damage to the equipment. As the last line of defense, a relief valve must prevent pressure from increasing beyond the maximum allowable working pressure.

The Welker RV-110 series Relief Valves are ideal for protecting high capacity gas instrumentation from overpressure events. Designed with ASME standards in mind, these safety devices have a 10% overpressure relief capacity and are made from stainless steel.

IOM IOM-234

Data Sheet RV-110 Series

Share



TAKING THE EASY WAY OUT

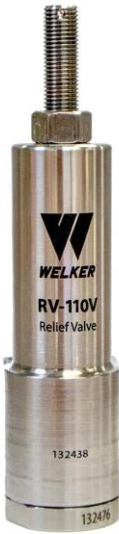
TWO VENT STYLES AVAILABLE

A relief valve is the path of least resistance when set pressure is exceeded. When the relief opens, excess pressure is diverted through the discharge until pressure returns to an acceptable level. Depending on site requirements and gas characteristics, excess pressure can be relieved to the atmosphere or routed through discharge piping. For non-hazardous gas applications and sites that allow venting to atmosphere, choose the RV-110A. For hazardous gas applications and sites that require gases to be vented to a safe area, go with the RV-110V, which has a 1/2" FNPT port to connect to discharge piping.

SPRINGING INTO ACTION

ADJUSTABLE SET PRESSURE

Spring range options let you select and set the best spring for your application to meet your safety requirements. The RV-110V relief is field adjustable or can be factory set. Locknuts on both models prevent the spring setting from changing due to vibration. Openings in the adjustment screw and body enable the RV



SPECIFICATIONS

RV-110 SERIES RELIEF VALVE

	RV-110A	RV-110V
Materials of Construction	316/316L Stainless Steel and Viton® Others Available	
Maximum Allowable Inlet Pressure	300 psig	500 psig
Temperature Range	-65 °F to 400 °F May Vary Based on Seal Material	
Connections	Inlet: 1/4" MNPT Outlet: Atmospheric	Inlet: 1/4" FNPT Outlet: 1/2" FNPT
Flow Rate	Up to 70 scfm	Up to 135 scfm
Spring Range	15–30 psig 31–90 psig 91–140 psig	10–150 psig 151–250 psig
Weight	0.25 lb	1.25 lb
Dimensions (l x w x h)	1" x 1" x 1.5"	1.25" x 2" x 5.5"
Feature	10% Overpressure Relief Capacity	
Product Certifications	CE Compliance NACE Compliance	

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