

Non-Code Safety Valves

Control Devices, Inc., manufactures a wide range of non-coded safety valves. These valves are used in applications ranging from garden-type pump sprayers to air brake compressor heads. Non-code valves may be used wherever the component being protected is not an ASME pressure vessel. Non-code valves offer some economy over the ASME coded valves, but do not necessarily have the set pressure accuracy or certified flow capacity of their ASME brethren.

One of the strengths of CDI is our ability to work closely with our customers on every application. If you don't see what you need here, please give us a call. If we can't make it for you, we can often offer suggestions as to where you can find it.



Model "NA" safety valves are compact, high temperature safety valves utilizing a stainless steel ball seating on a brass seat. Available in 1/8,1/4,3/8 NPT inlet sizes.

All brass construction with stainless steel spring and ball. Available set pressure range 50-350 PSI (345-2410 kPa). 175°C max. temperature

Model	Thread	Set (PSI) Pressure	Dimensions Height Hex	Weight (gms)	Part Number
NA12	1/8" NPT	50-350	54 17.5	85	On Request
NA25	1/4" NPT	40	54 17.5	85	4010520
NA38	3/8" NPT	50-350	54 17.5	85	On Request



Model "NF" safety valves are high capacity and can be ordered as field adjustable units. A resilient seat insures bubble tight performance at operating pressures. Valves can be unset, or factory set and locked with lock nut or factory set and staked (to deter field adjustment). 1/2 NPT Inlet.

All brass construction with zinc plated piano wire spring and silicone rubber pad. Available set pressure range 40-250 PSI (275-1725 kPa). 120°C max. temperature.

Model	Connection	Set (PSI) Pressure	Dimensions Height Hex	Weight (gms)	Part Number
NF50	1/2" BSPT	40	86 22.2	170	4010510
NF50	1/2" BSPT	Unset	86 22.2	170	4014900

Model "NP" are designed for applications where compact size is required and high flow capacities are not required. A resilient pad insures valve is bubble tight to within 10% of set pressure. 1/8,1/4 NPT inlets available.

All brass construction with stainless steel spring and silicone rubber seal. Available set pressure range 25-250 PSI (170-1725 kPa). 120°C max. temperature

Model	Connection	Set (PSI) Pressure	Dimensions Height Hex	Weight (gms)	Part Number
NP12	1/8" NPT	60	38 14.3	28	4010512
NP25	1/4" NPT	25-250	38 14.3	28	On Request



Model "NT" are a compact valve with high flow rates. A resilient pad insures valve is bubble tight to within 10% of set pressure. 1/8,1/4 & 3/8 NPT inlets available.

All brass construction with stainless steel spring and silicone rubber seal. Available set pressure range 25-350 PSI (170-2413 kPa). 120°C max. temperature

Model	Connection	Set (PSI) Pressure	Dimensions Height Hex	Weight (gms)	Part Number
NT25	1/4" BSPT	Unset	50.5 17.5	42	4012500



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Model “NB” are an economical solution for high capacity applications.

All brass construction with stainless steel springs. O-ring seal is available in silicone or fluorocarbon rubber. 1/2" NPT and 3/4" NPT inlets available.

Available set pressure range: 25-300 PSI (170-2068 kPa). 120°C max. temperature.

Model	Connection	Set (PSI) Pressure	Dimensions Height Hex	Weight (gms)	Part Number
NB75	3/4" BSPT	Unset	96.5 27.0	268	4014939



Model “NW” is the highest capacity non-code safety valve.

All brass construction with stainless steel springs. O-ring seal is available in silicone or fluorocarbon rubber. 1" NPT and 1-1/4" NPT inlets available.

Available set pressure range: 25-300 PSI (170-2068 kPa). 120°C max. temperature.

Model	Connection	Set (PSI) Pressure	Dimensions Height Hex	Weight (gms)	Part Number
NW10	1" BSPT	Unset	123 41.5	775	4014959
NW12	1 1/4" NPT	Unset	123 41.5	858	4014970



Model “PR” pressure relief valves are used in systems to maintain a desired pressure level. Please note that they are proportional relief valves and not “pop” type safety valves. Not preset at the factory, but easily field adjusted with knurled adjustment screw and lock nut.

All brass construction with stainless steel springs. PR25 uses stainless steel ball as poppet, while PR38 and PR75 poppets are nylon with nitrile seals. Max temp. 120°C

Model	Inlet Size	Available cracking pressure (PSI)	Flow at 5PSI past crack pressure	Part Number
PR25	1/4" NPT	0-20	2 SCFM	4010560
		20-60		On Request
		50-125		On Request
		100-200		On Request
PR38	3/8" NPT	0-20	5 SCFM	On Request
PR75	3/4" NPT	0-20	10 SCFM	On Request