



Refrigerant Compatibility Sheet

CO₂ Valves

Refrigerants are categorized as HFC (Hydrofluorocarbon) for traditional synthetics, HFO (Hydrofluoroolefin) as low-GWP alternatives, HC (Hydrocarbon) for highly flammable options, and Natural Refrigerants like CO₂ and ammonia, which require specialized components. This guide outlines the compatibility of NDL CO₂ ball valves and check valves with these refrigerants, helping professionals choose the right valve for durable, efficient operation.

Confirms that NDL CO₂ Valves are compatible with the following refrigerants:

TYPE	REFRIGERANT
HFC	R134A
	R32
	R404A
	R407C
	R410A
	R507
HFO	R1234yf
	R1234ze
HFO + HFC	R448A
	R449A
	R450A
	R452A
	R452B
	R454B
	R454C
	R455A
	R513A
	R515A
	R515B
Natural	R744
	R717



*R717 only compatible with ball valves with stainless-steel ends**

