



NDL Industries

APPLICATIONSCommercial, Industrial, and Residential CO₂ Refrigeration

Stainless Steel Ball Valves (CO₂-S/D)

NDL CO₂ ball valves perform unlike any other in its class for leak prevention, reliability, and superior field performance.



CO₂-S/D Specifications

Exceptional Safety Margins

Our valves can hold five times their maximum working pressure, netting a tremendous safety margin for any ball valve used in CO₂ systems.

Quality Tested

Each valve is helium tested at the factory to guarantee leak-free performance.

Bottom-Up Stem Installation

Our stem placement is engineered from the bottom up. If there is an accidental over-pressurization in the valve, it will not blow the stem out and lose the charge.

Stainless Steel Body

The NDL CO₂ valves feature a stainless steel body for stainless steel connections.

Size and Connections

A wide range of sizes and connection types makes our valves compatible with main pipe types manufactured from copper iron alloys and stainless steel.

Unparalleled Two-year Warranty

Our warranty proves confidence, along with stamping every valve with a serial number and cleanly packaging in a poly-bag to prevent contamination and malfunctions.



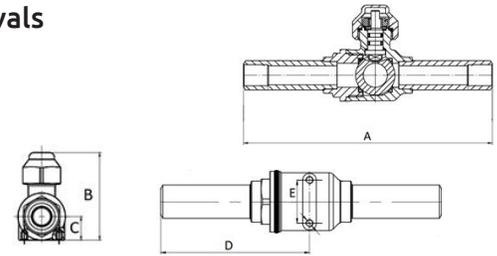
Stainless Steel Ball Valves

Operating Specifications

- Temperature: -40° to 302°F (-40°C to 150°C)
- Burst Pressure: 5 times the working pressure
- Life Expectancy: >50,000 cycles

Certifications and Approvals

- RoHS
- CRN-approved
- CE-approved



CO₂-S/D Sizes, Kv/Cv, and Pressure Ratings

PART NUMBER	CONNECTIONS W		BALL PORT SIZE MM	KV M3/H	CV GPM	MAXIMUM OPERATING PRESSURE	
	MM	NPS, IN				BAR	PSI
CO2-02S^	6	-	10	0.8	0.9	140	2030
CO2-03S	10	-	10	3	3.5	140	2030
CO2-04S	12	-	10	5	5.8	140	2030
CO2-05S	16	-	14	17	19.7	140	2030
CO2-06S	18	-	16.5	17	19.7	140	2030
CO2-07S	22	-	18	29	33.5	140	2030
CO2-09S	28	-	25	51	59.0	140	2030
CO2-11S	35	-	31	81	93.6	140	2030
CO2-13S	42	-	37	105	121.4	120	1740
CO2-03D	DN08	1/4"	10	3	3.5	140	2030
CO2-04D	DN10	3/8"	14	9.8	11.3	140	2030
CO2-05D	DN15	1/2"	18	17	19.7	140	2030
CO2-07D	DN20	3/4"	25	40	46.2	140	2030
CO2-09D	DN25	1"	31	59	68.2	140	2030
CO2-11D	DN32	1-1/4"	37	105	121.4	120	1740
CO2-13D	DN40	1-1/2"	37	105	121.4	120	1740
CO2-17D	DN50	2"	50	214	247.4	120	1740
CO2-21D	DN65	2-1/2"	60	310	358	120	1740



Explore our full line of high-quality HVAC-R, CO₂ Refrigeration, and Hydronic products.

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