Spring-Loaded Check Valves

CV Series

Aftermarket Spring-Loaded Check Valves

Check valves are designed to allow flow in one direction only. They are used to prevent backward flow through devices that are designed for directional flow.

Copper Ball Spring-Loaded Check Valves

Parker's Copper Ball Spring-Loaded Check Valves are used in refrigeration and air conditioning systems to maintain flow in only one direction. Internal components seat or "check", preventing flow back through the valve. This check valve can be installed in the following applications:

- In conjunction with filter-driers, strainers, or other devices to ensure unidirectional flow
- In conjunction with compressors to prevent liquid refrigerant from flooding back to the inlet
- In system lines to redirect flow to another circuit

MADE IN THE USA

Copper Check Valves

Features and Benefits

- Stainless steel ball is contained in a one-piece brass retainer within a copper tube to provide corrosion resistance and durability
- Straight-flow design yields high flow for maximum system performance requiring only approximately 1 psi for opening pressure
- Standard ball valves offer stainless steel-to-brass seating for low refrigerant leakage
- Sweat connections in a variety of sizes provide for easy installation and simplified brazing
- Spring-loaded design for near-horizontal mounting applications

Parker

ENGINEERING YOUR SUCCESS.

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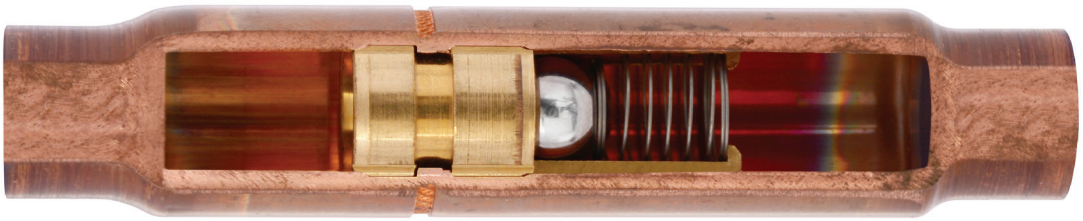
Specifications

MODEL	CONNECTION SIZE	OVERALL LENGTH	BODY DIAMETER	C_V at 1 psi ΔP*	FLOW CAPACITY in TONS at 1 psi ΔP**							
					22	134a	404A	407A	407C	410A	502	507A
CV4P-6FS-6FS	3/8"	3.75”	1/2"	1.25	3.5	3.2	2.3	3.1	3.4	3.4	2.3	2.3
CV5P-8FS-8FS	1/2"	3.75”	5/8"	2.16	6.4	5.8	4.2	5.6	6.2	6.3	4.2	4.2
CV7P-10FS-10FS	5/8"	4.50”	7/8"	4.70	12.0	10.9	7.8	10.5	11.6	11.8	7.8	7.8
CV9P-14FS-14FS	7/8"	4.50”	1-1/8"	7.52	24.8	22.5	16.1	21.6	23.9	24.3	16.1	16.1
CV11P-18FS-18FS	1-1/8"	5.00”	1-3/8"	12.38	65.0	59.1	42.2	56.8	62.9	64.0	42.4	42.3

* Flow coefficients at 60°F liquid temperature.
** Rated at 86°F liquid and 5°F evaporator.



Internal Components

Form P-575 / 92021

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