



A Tyco International Company

## High Pressure Carbon Dioxide

## Check Valves

### Description

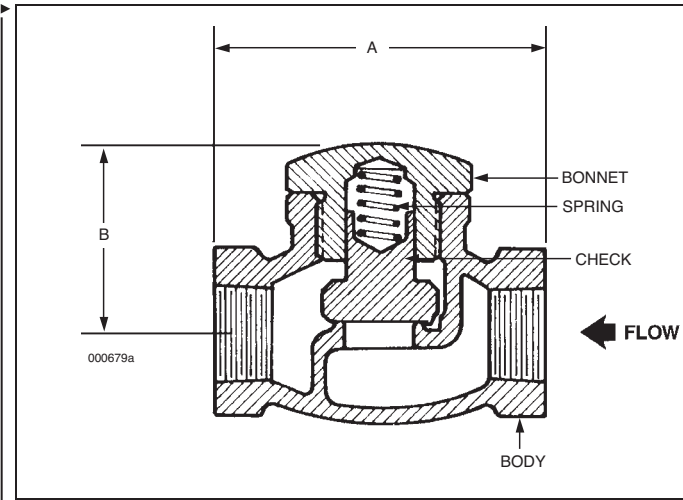
Check valves are used in main/reserve systems and on systems protecting multiple hazards of different volumes using selector valves to control the direction of agent flow. On main/reserve systems the check valve prevents pressurization of the reserve system manifold by blocking the flow of carbon dioxide from the main system. The check valve allows gas flow from the reserve (if actuated) to pass through into the distribution piping.

On selector valve systems, the check valve prevents the cylinders from the selected hazard from pressurizing the manifold of the cylinders required for protecting a larger hazard. Only the cylinders needed for the particular hazard are activated.

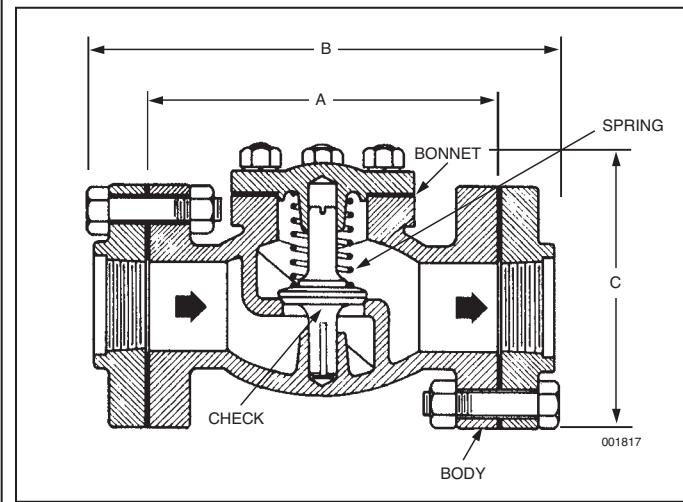
The check valves are available in sizes from 1/2 in. through 3 in. Two body styles are available: threaded and threaded > flange.

Component	Material	Thread Size/Type	Body Type	Approvals
Check Valve 40860	Bronze	1/2 in. NPT Female	Threaded	UL (EX-2968) (See Note)
Check Valve 40852	Bronze	3/4 in. NPT Female	Threaded	UL (EX-2968) (See Note)
Check Valve 41470	Bronze	1 in. NPT Female	Threaded	UL (EX-2968) (See Note)
Check Valve 41549	Bronze	1 1/4 in. NPT Female	Threaded	UL (EX-2968) (See Note)
Check Valve 41463	Bronze	1 1/2 in. NPT Female	Threaded	UL (EX-2968) (See Note)
Check Valve 40649	Bronze	2 in. NPT Female	Threaded	UL (EX-2968) (See Note)
Check Valve 40656	Bronze	2 1/2 in. NPT Female	Threaded	UL (EX-2968) (See Note)
Check Valve 40665	Check Valve: Bronze Flange: Steel	3 in. NPT Female	Threaded Flanged	UL (EX-2968) (See Note)
Check Valve 40672	Check Valve: Bronze Flange: Steel	3 in. NPT Female	Threaded Flanged	UL (EX-2968) (See Note)

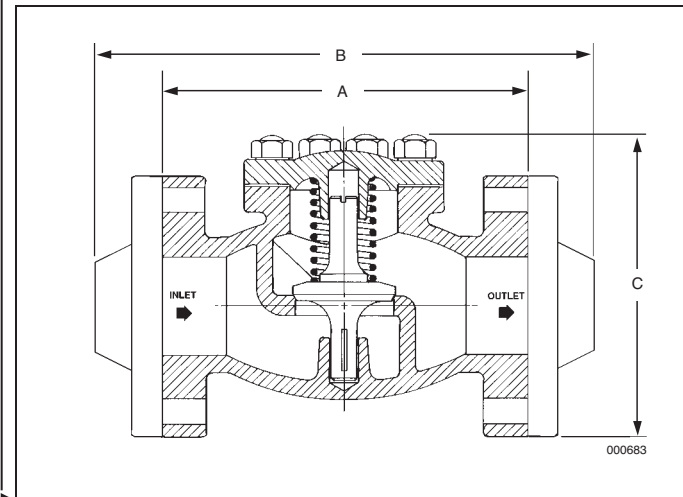
▶ **NOTE:** All check valves shown are listed for use with FM Approved systems



Check Valve – Threaded				
Valve Size	Dimension A		Dimension B	
	in.	(cm)	in.	(cm)
1/2 in.	3	(7.6)	1 3/4	(4.45)
3/4 in.	3 5/8	(9.2)	2 1/16	(5.24)
1 in.	4 1/8	(10.4)	2 5/16	(5.87)
1 1/4 in.	5	(12.7)	2 13/16	(7.14)
1 1/2 in.	5 1/2	(13.9)	3 1/4	(8.26)
2 in.	6 1/2	(16.5)	3 1/2	(8.9)
2 1/2 in.	8	(20.3)	4 1/16	(10.32)



Check Valve – Threaded Flange						
Valve Size	Dimension A		Dimension B		Dimension C	
	in.	(cm)	in.	(cm)	in.	(cm)
3 in.	11 1/2	(29.2)	15	(38.1)	9 1/2	(24.1)



Check Valve – Weld Neck Flange						
Valve Size	Dimension A		Dimension B		Dimension C	
	in.	(cm)	in.	(cm)	in.	(cm)
3 in.	11 1/2	(29.2)	18	(45.7)	9 1/2	(24.1)