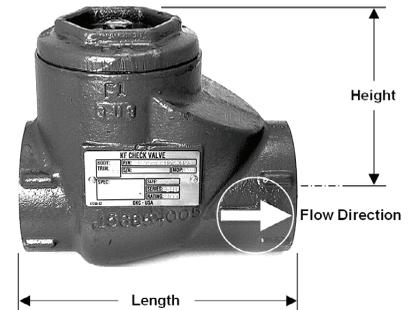


CHECK VALVE

DESCRIPTION

Check Valves are used to prevent agent loss from the open end of a manifold and/or piping system in the event that one or more containers are removed for servicing / maintenance.

Check Valves are required for multiple containers connected in a manifold arrangement and for containers used in a main / reserve system, without the need for redundant piping systems, to prevent agent loss and to ensure personnel safety if the system is operated when any containers are removed for maintenance. All containers must be the same size & same weight.



ORDERING INFORMATION

Check Valve		Dimensions		Approximate Weight	Equivalent Length
Fike P/N	Description	Height	Length		
02-2980	1 IN (25 mm) Check Valve	3.75 IN (95 mm) (maximum)	4.25 IN (108 mm)	9 lbs. (4.1 kg)	2.0' (0.61 m)
02-4158	2 IN (50 mm) Check Valve	4.50 IN (144 mm) (maximum)	6 IN (152 mm)	12 lbs. (5.4 kg)	4.0' (1.22 m)
70-317	3 IN (80 mm) Check Valve	6 IN (152 mm)	8 IN (203 mm)	31 lbs. (14.1 kg)	4.0' (1.22 m)

SPECIFICATIONS

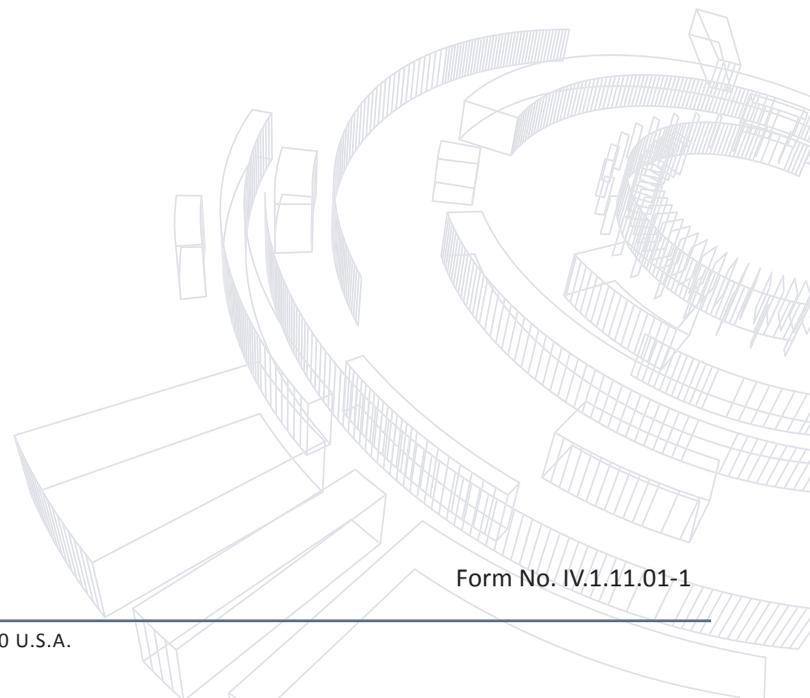
Material: Carbon Steel
 Working Pressure: 750 psig (50 barg)
 Thread Type: Female NPT (Both Ends)

Notes:

- Check Valves have threaded female connections on both ends; therefore piping leading into and exiting from must be threaded.
- The Check Valves must be installed with the flow arrow pointing in the direction of discharge. If reversed, the system will not discharge.

APPROVALS:

- UL Listed
- ULC Listed
- FM Approved

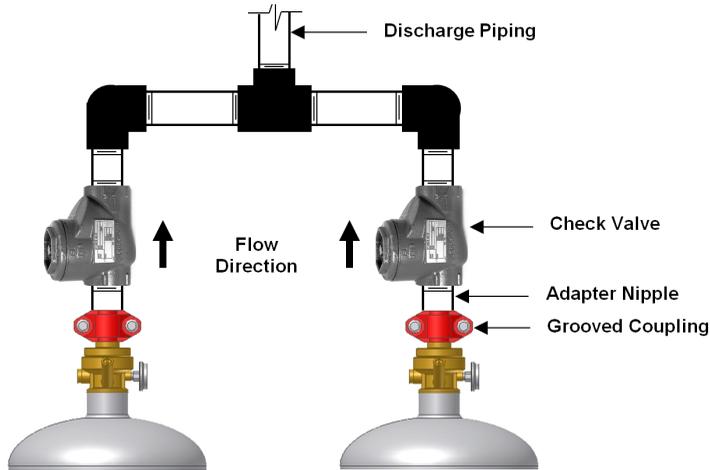


INSTALLATION

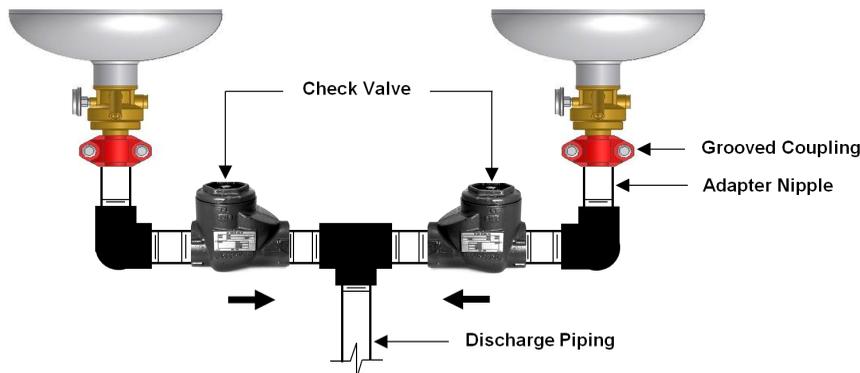
Once the pipe / manifold is assembled and the containers are connected, the pipe / manifold should not be supported by the containers. The piping should be secured with pipe hangers or brackets to support the manifold when the containers are removed for service.

If grooved couplings are used, the gaskets must be lubricated with a non-petroleum base lubricant as recommended by the fitting manufacturer.

Manifolds are commonly assembled using grooved fittings, however threaded; welded or flanged fittings can also be used. Teflon[®] tape or joint compound shall be used on all threaded joints.



EXAMPLE 1 – CENTER EXIT MANIFOLD / MAIN & RESERVE SYSTEM



EXAMPLE 2 – CENTER EXIT MANIFOLD / MAIN & RESERVE SYSTEM FOR 150i (INVERTED) CONTAINERS

Important Note: When used with 150i (Inverted) containers, the check valve must be installed in the Horizontal position. Do NOT install check valve in the Vertical down position, check valve flipper will be left in the open position and will NOT function as intended.