

November 2022

## RegO® Field Topics

### 1 3/4" ACME Double-Check Filler Valves

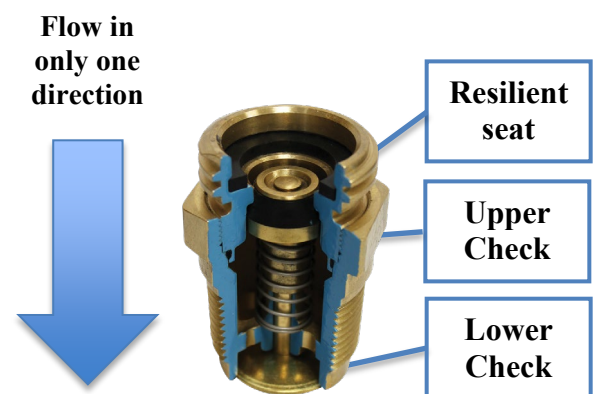
**Field Topics** are intended to provide useful information to the network of authorized LP-Gas and Anhydrous Ammonia distributors regarding the proper use of RegO® products. **Warning Bulletins** covering many of the hazards involved are available from RegO for more detailed information. These bulletins can be found in our **L-500, L-102 and NH3-102** catalogs. Neither the Field Topic or the Warning Bulletins are intended to conflict with federal, state, or local ordinances and/or regulations, which should be observed at all times. This information also is not intended to be a substitute for or to supplement any training in the safe handling and use of propane and related equipment, as required by any applicable law. By providing this material, ECI assumes no responsibility for providing any such training. Only individuals properly trained in the safe handling and use of propane and related equipment should be permitted to do so, and by providing this information, ECI does not assume responsibility for providing such training.

For more information on LP Gas system requirements, refer to Liquefied Petroleum Gas Code (NFPA 58), National Fuel Gas Code (NFPA 54), National Propane Gas Association Safety Handbook, the RegO LP-Gas Serviceman's Manual L-545, RegO catalogs L-500/L-102/NH3-102, ANSI K61.1 Safety Requirements for Storage and Handling of Anhydrous Ammonia, as well as any applicable local codes and ordinances.

### 1 3/4" ACME Double-Check Filler Valves

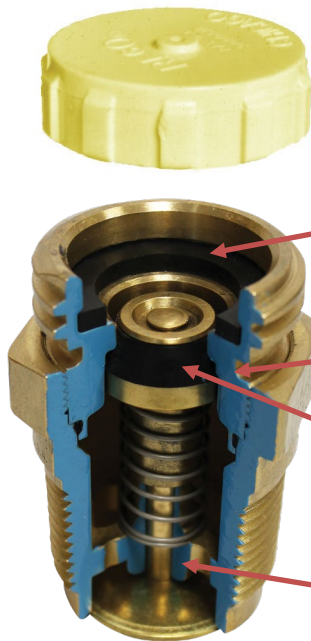
RegO Double-Check Filler Valves incorporate a resilient upper check valve--normally designated as a filler valve--and a lower check valve, commonly called a back pressure check valve.

Flow of liquid into the storage container opens both check valves. When flow stops, they both are designed to close automatically to permit the operator to disconnect the hose coupling. The automatic closing action also helps prevent the discharge of container contents in the event of hose failure.



The lower back pressure check provides extra protection by restricting the discharge if the upper check fails to function properly due to accidents or other causes. The RegO Filler valve design allows for emergency inspection, repair, or replacement of the upper fill assembly without removing product from the container. When the upper filler valve body is removed, the lower back check valve provides a seal, permitting only minimal leakage, allowing a new upper filler valve body to be installed.

## Filler Valve Features



Filler cap made of resilient molded plastic, designed to contain pressures up to 250 PSIG

Long-wearing gasket permits hand-tight connection

Safety groove designed to shear below ACME thread, leaving the seat assembly intact and unaffected in case of accident, such as a delivery truck pull away

Seat disc made from extra thick, synthetic rubber provides longer life

Precision machined guide ensures a positive seal

## Low Emission Filler Valves

Low Emission Filler Valves discharge less than 4 cubic centimeters when used in conjunction with a RegO Low emission hose end valve. This design meets the requirements of NPFA 58 for a low emission transfer site, other requirements must be met to distance requirements. Additionally, these products, when used in conjunction, meet the requirements for a low emission connection of California CARB Rule 1177.

Low Emission Filler Valves
L7579
6579
E7579
7501L
7502L
SFL7579V series
7647SC
SF7647V series
G8475R series
8593AL

## 6579 Swing Check Low Emission Filler Valves

The 6579 Swing Check Low Emission Filler Valve provides a low emission connection and a swing-away lower check. The swing-away lower check is designed to swing out of product flow during the filling process to provide a faster filling rate compared to a standard filler valve operation.



6579

## E7579 Extended Low Emission Filler Valves

The E7579 is designed with an extended upper body portion to add some additional height on the filler valve. The additional height of the upper body eliminates the need for a filler extension and reduces the chance of exposure to dirt, debris, etc. that typically occur in above-underground tank applications. In addition, the valve also provides a low emission connection. The EG167 is available to extend the gauge device: providing a clearer visibility of the container level percentage.



**E7579C**

## Overfill Protection Device Filler Valves

Overfill Protection Device (OPD) Filler Valves are designed to stop the flow of product into the container when the liquid level reaches approximately 80% of its capacity. The integral float will stop the product flow when the liquid level meets the predetermined level. To select the correct OPD filler valve, the dimension from the top of the container coupling and 80% level must be determined. This can commonly be referenced from the dip tube length on the container's data plate.



**SFL7579V  
series**



**SF7647V  
series**

## Integral Manual Shut-off Filler Valves

The 7501L/7502L provides a positive manual shutoff between the upper and lower check assembly. When filling a container from a delivery truck, this valve will allow flow into the container through the upper and lower check when the manual lever is in the open position. When flow stops, both the upper and lower checks will close; the lever is then turned to the closed position, and the hose-end valve can then be removed from the filler valve. This filler valve can be commonly found on containers at cell tower locations meeting requirements of NFPA 58.



**7501L**



**7502L**

## 7579P Pipeaway Filler Valve

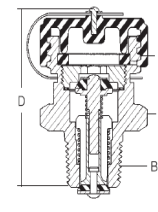
The 7579P is designed to provide fast filling of ASME domestic containers. The valve incorporates a 3/4" F. NPT connection for a diptube that extends down to the bottom of the container to allow the removal of liquid propane with the use of a RegO unloading adapter. Note older containers manufactured before December 1, 1963 had no provision for a liquid withdrawal valve or Chek-Lok® device. Chek-Lok valves are commonly found on new containers.



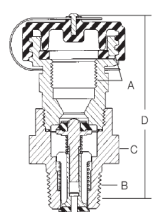
7579P

## 7647SC & 7647DC Double Check Filler Valves

The 7647SC & 7647DC are designed to provide fast filling of forklift, motor fuel, and recreational vehicle tanks. The lower check includes a soft seat to provide a gas tight seal with zero leakage. The lower seat allows reparability of the upper check without discharge of propane during the repair process. The 7647DC incorporates a F. POL connection for filling thru a M. POL hose end adapter.



7647SC



7647DC

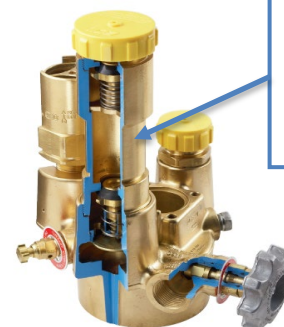
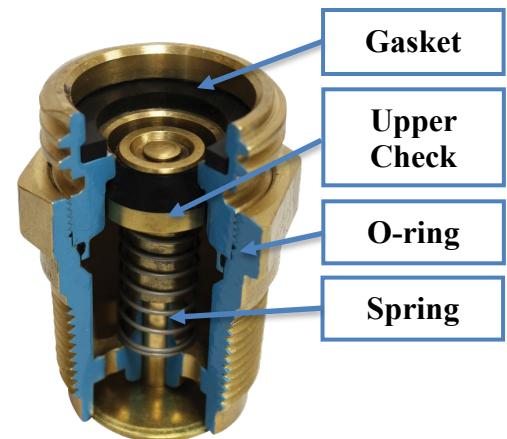
## Repairability of Filler Valves

The construction of RegO filler valves allow for emergency inspection, repair, or replacement of the upper fill assembly without removing product from the container. When the upper filler valve body is removed, the lower back check valve provides a seal, permitting only minimal leakage, allowing a new upper filler valve body to be installed.

Each filler repair kits comes with detailed instructions to complete the repair allowing for the replacement of the upper check, gasket, O-ring, spring, and upper body. Repair kits ending in -50 will include upper check, gasket, O-ring, spring and upper body. Repair kits ending in -80 will include upper check, gasket, O-ring, and spring.

**Note: Be sure all instructions (included with the kits) are read and understood before any installation, operation, and maintenance.**

Extension repair kits are available to extend the upper body portion to add some additional height on the filler valve. The additional height of the upper body eliminates the need for a filler extension and reduces the chance of exposure to dirt, debris, etc.



8475L-50L  
Fitted on  
G8475RL  
multivalve

Repair Kit List		
Part Number	Repair Kit	Kit Contents:
6533A Series	6542B-50	Upper body, upper check assembly, gasket, o-ring and spring
	6542B-80	Upper check assembly, gasket, o-ring and spring
6533R Series	6542B-50	Upper body, upper check assembly, gasket, o-ring and spring
	6542B-80	Upper check assembly, gasket, o-ring and spring
6542A Series	6542B-50	Upper body, upper check assembly, gasket, o-ring and spring
	6542B-80	Upper check assembly, gasket, o-ring and spring
6542R Series	6542B-50	Upper body, upper check assembly, gasket, o-ring and spring
	6542B-80	Upper check assembly, gasket, o-ring and spring
6543A Series	6542B-50	Upper body, upper check assembly, gasket, o-ring and spring
	6542B-80	Upper check assembly, gasket, o-ring and spring
6543R Series	6542B-50	Upper body, upper check assembly, gasket, o-ring and spring
	6542B-80	Upper check assembly, gasket, o-ring and spring
6555D Series	8555-50	Upper body, upper check assembly, gasket, o-ring and spring
	8555-80	Upper check assembly, gasket, o-ring and spring
6555R Series	8555-50	Upper body, upper check assembly, gasket, o-ring and spring
	8555-80	Upper check assembly, gasket, o-ring and spring
L6579	L7579-51	Upper body, upper check assembly, gasket, o-ring and spring
	L7579-81	Upper check assembly, gasket, o-ring and spring
7579	L7579-51	Upper body, upper check assembly, gasket, o-ring and spring
	L7579-81	Upper check assembly, gasket, o-ring and spring
E7579	E7579-50	Upper body, upper check assembly, gasket, o-ring and spring
	E7579-80	Upper check assembly, gasket, o-ring and spring
L7579	L7579-51	Upper body, upper check assembly, gasket, o-ring and spring
	L7579-81	Upper check assembly, gasket, o-ring and spring
	E7579-KIT	Filler Valve Extension Kit
SFL7579V Series	SFL7579-51	Gaskets; spring stem and seat disc assembly; upper body
	SFL7579-50L	Filler Valve Extension Kit
7647S Series	7647B-80A	Upper check assembly, gasket, o-ring and spring
SF7647V Series	SF7647V-80A	Upper check assembly, gasket, o-ring and spring
G8475RL	8475L-50	Upper body, upper check assembly, gasket, o-ring and spring
	8475L-80	Upper check assembly, gasket, o-ring and spring
	8475L-50L	Filler Valve Extension Kit
G8475RLW	8475L-50	Upper body, upper check assembly, gasket, o-ring and spring
	8475L-80	Upper check assembly, gasket, o-ring and spring
	8475L-50L	Filler Valve Extension Kit
8555D Series	8555-50	Upper body, upper check assembly, gasket, o-ring and spring
	8555-80	Upper check assembly, gasket, o-ring and spring
8555R Series	8555-50	Upper body, upper check assembly, gasket, o-ring and spring
	8555-80	Upper check assembly, gasket, o-ring and spring
8593AL	8475L-50	Upper body, upper check assembly, gasket, o-ring and spring
	8475L-80	Upper check assembly, gasket, o-ring and spring
	8475L-50L	Filler Valve Extension Kit

Should you have any questions or concerns, then please contact me.

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