

RegO Multivalve® Assemblies

General Information

RegO Multivalves® were pioneered in the 1930's. By combining several valve functions in one unit, Multivalves® made possible new and more practical tank designs (fewer openings and smaller, less cumbersome protective hoods). They received immediate acceptance.

The Multivalve® design has kept pace with changing industry needs over the years. They are as popular as ever; still keeping fabricating costs down and reducing operating expenses for the LP-Gas dealer.

RegO Multivalves® Reduce the Cost of Fabrication by

- Combining several valve functions in one less expensive body.
- Reducing the number of threaded openings in ASME containers.
- Diminishing the size and cost of protective hoods.
- Providing generous sized wrenching bosses for quick, easy installation.

RegO Multivalves® Reduce LPG Dealer Expenses by

- Permitting on-site filling of 100 lb. to 420 lb. DOT cylinders, thus eliminating cylinder return and interrupted customer service.
- Providing well-placed hose connections for easy filling.
- Allowing ample space for secure attachment and easy removal of the regulator.
- Providing substantial savings of bonnet repairs on valves with the MultiBonnet®.

RegO Multivalves® Satisfy Customer Demands for Tough, Safe Equipment with These Features

Heavy-Duty Valve Stem Seals —

- Tapered nylon disc in a fully confined seat resist deterioration and provide hand-tight closings over a long service life.

Comprehensive Testing —

- Every Multivalve® must pass a stringent underwater leakage test prior to shipment.
- Multivalves® with pressure relief valves are individually tested and adjusted to assure proper pressure settings.
- Those equipped with excess flow checks are tested for compliance with published closing specifications and for leakage after closing.

Pressure Relief Valves and Other Devices —

- Multivalves® equipped with integral pressure relief devices employ full-capacity, "pop-action" reliefs with set pressures of 250 psig for ASME use and 375 psig for DOT cylinders.

Double Back-Check Filler Valves —

- Multivalves® with filling connections have double backcheck safety. If the upper check ceases to function, the lower stand-by check will continue to protect the filling connection from excessive leakage.

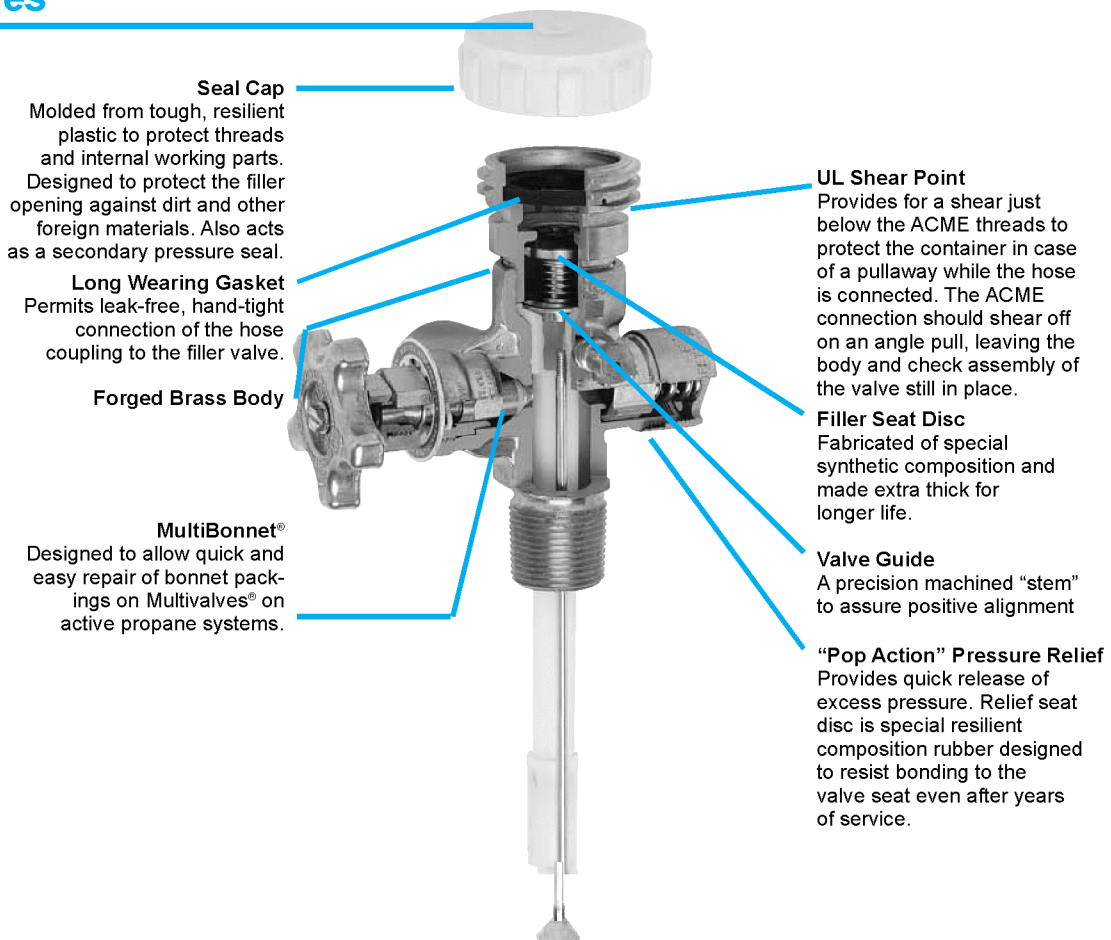
Ease of Maintenance —

- Standardization of parts makes it possible for one repair kit to maintain the bonnet assemblies of RegO® cylinder valves, service valves, motor fuel valves, and Multivalves®.

RegO Multivalves® fit every LP-Gas need.

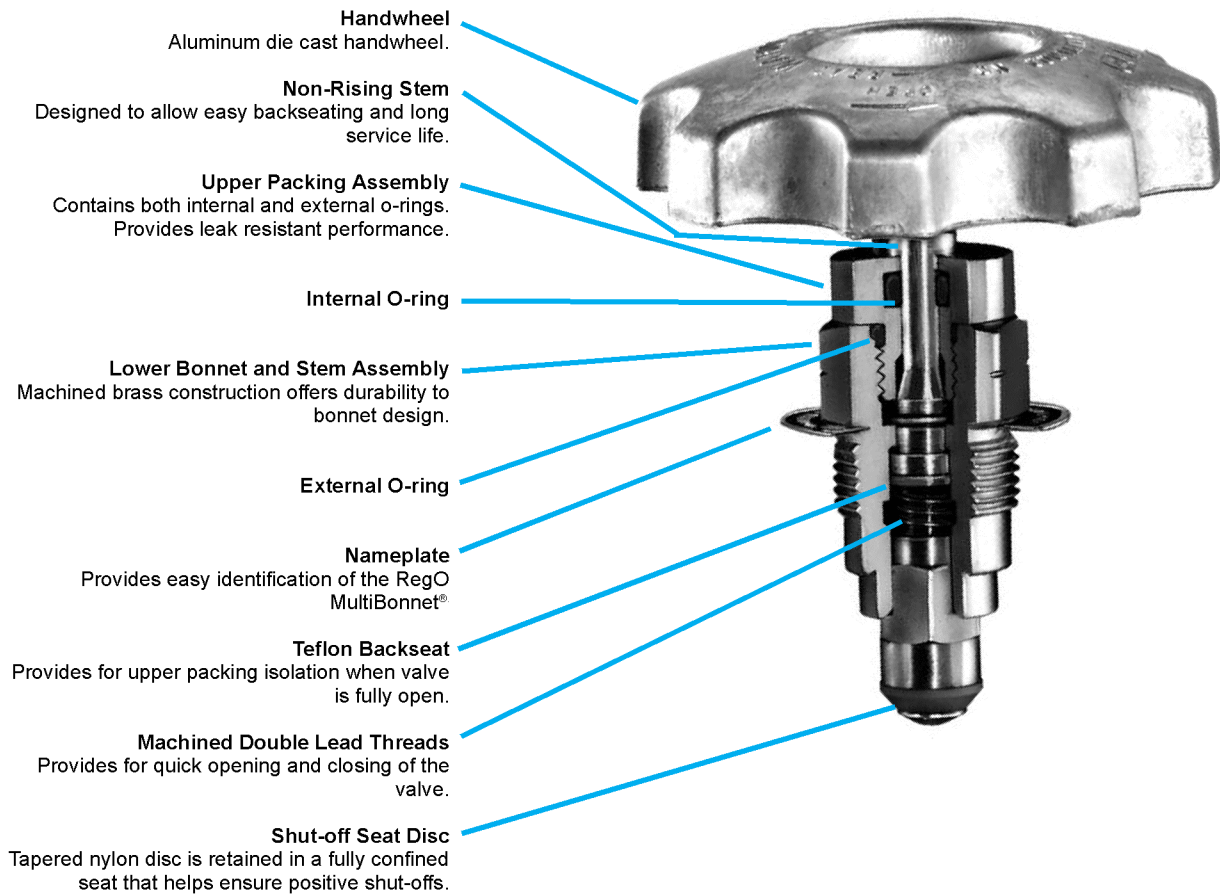
- Wide selection of Multivalves® for domestic, commercial, and industrial needs are available.
- Multivalves® may be ordered with pressure relief, liquid level tube, filler valve, vapor equalizing valve, internal pipe connections, liquid filling and withdrawal connections, and ¼" NPT tapped opening for pressure gauge with or without steel plug.

Design Features of RegO Multivalves®



RegO MultiBonnet® Assemblies

Design Features of the MultiBonnet®



Application

The MultiBonnet® is designed to allow quick and easy repair of bonnet packings in certain Multivalves® and service valves on active propane systems. It allows you to repair valve bonnet stem o-ring leaks in minutes, without interrupting gas service to your customers.

- Eliminates the need to evacuate tanks or cylinders to repair the MultiBonnet® packing.
- Two section design allows repair of MultiBonnet® assemblies on active propane systems without interruption in gas service or shutting off appliances downstream. This helps to prevent time consuming relighting of pilots, special appointments, and call backs.
- Cost of replacing the MultiBonnet® packing is only 1/3 as much as

replacing a complete bonnet assembly—not including time cost savings, which can be substantial.

- Available on certain new Multivalves® and service valves as well as repair assemblies for many existing RegO® valves.
- UL listed as a component of valve assembly.

Here's How The MultiBonnet® Works

- When the valve is fully open, only the lower stem will rise and backseat against the teflon washer which isolates the upper packing.
- This allows you to remove the upper packing nut, which contains the o-rings, and replace it while the valve is fully open and gas service not interrupted.

ASME Multivalves® for Vapor Withdrawal

These Multivalves® are designed for use in single opening ASME containers equipped with a 2½" M. NPT riser. They can be used with underground ASME containers up to 639 sq. ft. surface area, and above ground ASME containers up to 192 sq. ft. surface area. A separate opening is required for liquid withdrawal. The MultiBonnet® is standard on this valve. The MultiBonnet® allows quick and easy repair of bonnet.

Part Number	Approximate Filling Rate Liquid Flow, GPM			
	Pressure Drop Across Valve			
	10 PSIG	25 PSIG	50 PSIG	100 PSIG
G8475RV	42	72	98	125
G8475RW				



Part Number	Container Connection	Service Connection	Filling Connection	Vapor Equalizing Connection		Float Gauge Flange Opening	Fixed Liquid Level Vent Valve Style	Dip Tube Length	Pressure Relief Valve			For use in containers w/ surface area up to:	
				Size	UL Listed Closing Flow				Setting	Part Number	Flow Capacity		
											UL		ASME
G8475RV	2 1/2" F. NPT	F. POL (CGA 510)	1 3/4" M. ACME	1 1/4" M. ACME	4200 CFH @ 100 PSIG	Fits "JUNIOR" size	Knurled	30"*	250 PSIG	M3131G	2020 SCFM, air	1939 SCFM, air	83 sq. ft. above ground
G8475RW											3995 SCFM, air	n/a	192 sq. ft. above ground
													639 sq. ft. under ground

* Dip tube not installed, may be cut by customer to desired length.

ASME Multivalves® for Vapor Withdrawal

These Multivalves® provide vapor withdrawal and filling of ASME containers. A separate pressure relief valve is required in addition to this valve. The MultiBonnet® is standard on this valve. MultiBonnet® allows quick and easy repair of bonnet.

Part Number	Approximate Filling Rate Liquid Flow, GPM			
	Pressure Drop Across Valve			
	10 PSIG	25 PSIG	50 PSIG	100 PSIG
8593AR16.0	42	72	98	125



Part Number	Container Connection	Service Connection	Filling Connection	Vapor Equalizing Connection		Fixed Liquid Level Vent Valve Style	Dip Tube Length	For Use In Containers w/ Surface Area Up To:
				Connection Size	UL Listed Closing Flow			
8593AR16.0	1½" M. NPT	F. POL (CGA 510)	1¼" M. ACME	1¼" M. ACME	4200 CFH at 100 PSIG	Knurled	16"*	**

* Dip tube not installed, may be cut by customer to desired length.

** Since these Multivalves® have no integral pressure relief valves, they can be used on any ASME container with an independent relief device sufficient for that tank's capacity.

DOT Multivalve® for Liquid Withdrawal

These Multivalves® permit liquid withdrawal from DOT cylinders with up to 100 lbs. propane capacity. They eliminate unnecessary cylinder handling when servicing high volume loads and allow on-site filling into the vapor space without interrupting gas service.



Part Number	Approximate Filling Rate Liquid Flow, GPM			
	Pressure Drop Across Valve			
	10 PSIG	25 PSIG	50 PSIG	100 PSIG
8555DL11.6	8	23	34	42

Part Number	Container Connection	Service Connection	Filling Connection	Fixed Liquid Level Vent Valve Style	Dip Tube Length w/ Deflector	Liquid Withdrawal Tube Length	Pressure Relief Valve Setting	For Use In Cylinders w/Propane Capacity Up To:	Liquid Closing Flow (LP-Gas)***
8555DL11.6	¾" M. NGT	CGA 555*	1¾" M. ACME	Knurled	11.6"	44"	375 PSIG	100 lbs. **	1.7 GPM

* Use adapter 12982 to connect to pipe threads.

** Per CGA Pamphlet S-1.1.

*** To ensure proper functioning and maximum protection from integral excess flow valves, the cylinder valve should be fully opened and backseated when in use.

DOT Multivalves® for Vapor Withdrawal

These Multivalves® permit vapor withdrawal from DOT cylinders with up to 200 lbs. propane capacity. They allow on-site cylinder filling without interrupting gas service. The MultiBonnet® option allows quick and easy repair of bonnet.



Part Number	Approximate Filling Rate Liquid Flow, GPM			
	Pressure Drop Across Valve			
	10 PSIG	25 PSIG	50 PSIG	100 PSIG
8555D Series	8	23	34	42
8555R Series				

Part Number	Bonnet Style	Application	For Use In Containers with Size Up To:	Dip Tube Length w/Deflector	Container Connection	Service Connection	Filling Connection	Fixed Liquid Level Vent Valve Style	Pressure Relief Valve		
									Setting	Flow Capacity*	
										UL Listing	ASME
6555R10.6	MultiBonnet®	ASME Containers	25 ft ² surface area or 60 gallons water capacity	10.6"	¾" M. NGT	F. POL (CGA 510)	1¾" M. ACME	Knurled	250 PSIG	793 SCFM, air	700 SCFM, air
6555R11.6	MultiBonnet®			11.6"							
6555R12.0	MultiBonnet®			12.0"							
8555D10.6	Standard	DOT Cylinders	200 lbs. Propane **	10.6"	¾" M. NGT	F. POL (CGA 510)	1¾" M. ACME	Knurled	375 PSIG	n/a	n/a
8555R10.6	MultiBonnet®			10.6"							
8555D11.6	Standard			11.6"							
8555R11.6	MultiBonnet®			11.6"							

* Per CGA Pamphlet S-1.1.

DOT and ASME Multivalves® for Vapor Withdrawal

These Multivalves® permit vapor withdrawal from ASME containers up to 50 sq. ft. surface area and DOT containers up to 420 lbs. propane capacity. They allow on-site cylinder filling without interrupting gas service. The MultiBonnet® option allows quick and easy repair of bonnet.



Part Number	Approximate Filling Rate -- Liquid Flow, GPM			
	Pressure Drop Across Valve			
	10 PSIG	25 PSIG	50 PSIG	100 PSIG
6532A12.0/6532R12.0	11	16	23	28
6542A12.0/6542R12.0	23	32	46	57
6533A10.5/6533R10.5	11	16	23	28
6533A11.7/6533R11.7				
6543A11.1/6543R11.1	23	32	46	57
6543A11.7/6543R11.7				

Part Number	Bonnet Style	Application	Container Connection	Service Connection	Filling Connection	Fixed Liquid Level Vent Valve Style	Dip Tube Length with Deflector	Pressure Relief Valve Setting	For Use In Cylinders w/Propane Capacity Up To:**	For Use In Containers w/Surface Area Up To:***				
6532A12.0	Standard	ASME*	¾" M. NGT	F. POL (CGA 510)	1½" M. ACME	Knurled	12.0"	250 PSIG	-	43 sq. ft.				
6532R12.0	MultiBonnet®									1" M. NGT	53 sq. ft.			
6542A12.0	Standard		DOT								¾" M. NGT	10.5"	375 PSIG	420 lbs. Propane
6542R12.0	MultiBonnet®									1" M. NGT				
6533A10.5	Standard	11.1"												
6533R10.5	MultiBonnet®			11.7"										
6533A11.7	Standard	11.7"												
6533R11.7	MultiBonnet®			11.7"										
6543A11.1	Standard	11.7"												
6543R11.1	MultiBonnet®			11.7"										
6543A11.7	Standard	11.7"												
6543R11.7	MultiBonnet®		11.7"											

* UL rated flow capacities are: 6532A12.0-1180 SCFM/air, 6542A12.0-1530 SCFM/air.
 ** Per CGA Pamphlet S-1.1.
 *** From NFPA, Appendix D.

ASME Multivalves® for Vapor Withdrawal

These compact Multivalves® are especially suited for vapor withdrawal of ASME containers where compact groupings of components are necessary. Separate filler valves and pressure relief valves are required. MultiBonnet® allows quick and easy repair of bonnet.



Part Number	Container Connection	Service Connection	Vapor Equalization Connection		Fixed Liquid Level Vent Valve Style	Dip Tube Length	For Use In Containers w/Surface Area Up To:
			Connection Size	UL Listed Closing Flow			
7556R12.0	¾" M. NGT	F. POL (CGA 510)	1½" M. ACME	4200 CFH @ 100 PSIG	Knurled	12"	*

* Since these Multivalves® have no integral pressure relief valves, they can be used on any ASME container with an independent relief device sufficient for that tank's capacity.