

# 6800 LowE Valve Kit

## LowE for OEM Control Valves

### Advanced Packing Kit

#### *Reduce Emissions Without Valve Replacement*

The Chesterton® 6800 LowE Valve Kit meets the latest US Environmental Protection Agency (EPA) consent decree emissions limits for LowE valve packings. This LowE, graphite, and PTFE combination control valve packing set is designed for use in natural gas, hydrocarbon, and chemical industries and complies with the current EPA consent decree standards.

The 6800 LowE Valve Kit is well suited for services where minimizing fugitive emissions is the primary concern. This kit can improve performance and reliability in applications where high stem cycling and stem friction can lower overall valve performance. This kit is designed by Chesterton to fit popular Original Equipment Manufacturers (OEM) models for Fisher®, Valtek®, and Masoneilan® control valves.

#### 6800 LowE Valve Kit Includes:

- **Five:** uniquely formed Chesterton WedgeSeal™ rings
- **Two:** die-formed, calibrated end rings
- **One:** 1/2 Height Graphite Tape Packing High Density (GTPHD) ring
- **Two:** Pre-engineered cartridge live loading assemblies
- Pre-cut carbon spacers (refer to installation instructions)
- New gland studs and nuts (not included in all kits)

The 6800 LowE Valve Kit is specifically designed to be used on pneumatically actuated control valves. The kit contains all the necessary parts required to repack the valve in the field with Chesterton's latest LowE technology.

All the packing rings and spacers are pre-cut to allow installation without removal of the valve actuator, simplifying the valve repacking procedure in the field. The live loading assemblies are easily identifiable by their unique outer guide shape and are simple to install and use. Simply fit the assembly over the stud and tighten the gland bolt until the flat washer is flush with the top of the outer guide. No torque wrench is required, saving both time and money.

#### Technical Data

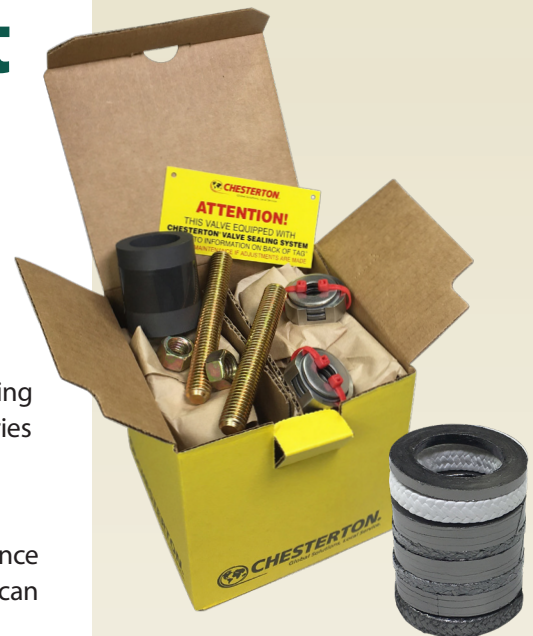
Temperature Limit	-40°C – 316°C (-40°F – 600°F)
Chemical Resistance	pH 0 – 13 except for molten alkali metals, elemental fluorine, and strong oxidizers*

#### Chesterton LowE Warranty

The 6800 LowE Valve Kit—warranty to seal less than 100 ppm for 5 years per API Method 21.\*\*

\* Consult Chesterton MP Application Engineering for concerns on compatibility.

\*\* Subject to proper installation and operation in accordance with Chesterton's Conditions of Warranty.



#### 6800 LowE Valve Kit Advantages:

- Reduce emissions without expensive valve replacement.
- Upgrade existing control valves to meet LowE performance.
- Visual torque indicators to minimize retorques and to reduce safety risks.
- Easy-to-install solution for popular control valves.
- Passes ISO 15848-1AM-CC3 test.
- API-622 third edition
- API-607

**6800 LowE Valve Kit Designed by Chesterton  
to Fit Fisher® E Body Control Valves**

Kit Number	Valve Size	Pressure Class	Item Number
1	1, 1-1/2	150 – 300	434147
2	2, 3, 4	150 – 300	434148
3	6, 8	150 – 600	434149

**6800 LowE Valve Kit Designed by Chesterton  
to Fit Valtek® Mark One Control Valves**

Kit Number	Spud Size (Inches)	Actuator Size	Valve Size	Pressure Class	Item Number
1	2.0	25/50	1/2, 1	150 – 600	434158
2	2.0	25/50	1-1/2, 2	150 – 600	434159
3	2.62	50/100	3	150 – 300	434160
4	2.62	50	4	150 – 300	434161
5	2.88	100	4	150 – 300	434162
6	2.62	50/100	3	600	434163
7	2.62	50	4	600	434164
8	2.88	100	4	600	434165
9	2.62	50	6	150	434166
10	2.88	100	6	150	434167
11	3.38	100	6	300	434168
12	3.38	300	6	300	434169
13	3.38	100	6	600	434170
14	3.38	100	6	600	434171
15	3.38	300	8	150	434172
16	3.38	100	8	300 – 600	434173
17	3.38	300	8	300 – 600	434174

**6800 LowE Valve Kit Designed by Chesterton  
to Fit Masoneilan® Control Valves**

10,000 New Series					
Pressure Class	Valve Size (Inches)	Stem OD (Inches)	Box Bore (Inches)	Cross Section	Item Number
150 – 300	2	0.500	0.875	0.187	434150
	3	0.500	0.875	0.187	434150
	4	0.500	0.875	0.187	434150
150 – 600	6	0.500	0.875	0.187	434151
	8	0.500	0.875	0.187	434152
21,000 New Series					
Pressure Class	Pipe Size (Inches)	Stem OD (Inches)	Box Bore (Inches)	Cross Section	Item Number
150 – 600	3/4	0.500	0.875	0.187	434150
	1	0.500	0.875	0.187	434150
	1-1/2	0.500	0.875	0.187	434150
	2	0.500	0.875	0.187	434150
	3	0.500	0.875	0.187	434150
	4	0.500	0.875	0.187	434150
	6	0.750	1.250	0.250	434152
41,000 Old Series					
Pressure Class	Pipe Size (Inches)	Stem OD (Inches)	Box Bore (Inches)	Cross Section	Item Number
150 – 600	1-1/2	0.500	0.875	0.187	434153
	2	0.500	0.875	0.187	434153
	3	0.625	1.000	0.187	434154
	4	0.625	1.000	0.187	434154
	6	0.750	1.250	0.250	434156
	8	1.000	1.625	0.312	434157
900 – 1500	2	0.500	0.875	0.187	434153
	3	0.625	1.000	0.187	434155
	4	0.625	1.000	0.187	434154
	6	0.750	1.250	0.250	434156

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 Valtek® is a registered trademark of Flowserve Management Company.  
 WedgeSeal™ is a trademark of A.W. Chesterton Company.

Chesterton ISO certificates available on [chesterton.com/corporate/iso](http://chesterton.com/corporate/iso)

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