



LVC Cylinder Options Series "VE" Knife Gate Valves

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Features

The following are available on all "VE" series cylinders:

Repair Kits

Kit includes cups and seals to repair worn components. It is recommended that at least one repair kit be kept on hand for each cylinder size.

Stainless Steel (SS) Rod

17-4PH stainless steel rod should be used in environments where pitting of the cylinder rod may occur. Pitting of the cylinder rod could lead to premature rod seal failure.

Viton Seals

Used on cylinders exposed to high temperatures. Recommended on any cylinder that will reach operating temperatures of 200°F or higher.

Internal Plating

For use with water or when operating air contains moisture.



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CYLINDER SIZING CHART

Valve Size	Cylinder Pressure (PSI)	Maximum Pressure Differential Across Gate											
		Up to 25 PSI		25-50 PSI		50-75 PSI		75-100 PSI		100-125 PSI		125-150 PSI	
		CYL SIZE		CYL SIZE		CYL SIZE		CYL SIZE		CYL SIZE		CYL SIZE	
		53,65,77	93	53,65,77	93	53,65,77	93	53,65,77	93	53,65,77	93	53,65,77	93
3	40	6	4	6	4	6	4	6	5	6	5	6	5
	60	5	3.25	5	3.25	5	3.25	5	4	5	4	5	4
	80	4	2.5	4	3.25	4	3.25	4	3.25	4	3.25	4	3.25
	100	4	2.5	4	2.5	4	2.5	4	2.5	4	2.5	4	2.5
4	40	6	4	6	5	6	5	7	5	7	6	7	6
	60	5	3.25	5	4	5	4	6	5	6	5	6	5
	80	4	2.5	4	3.25	5	4	5	4	5	4	6	4
	100	4	2.5	4	3.25	5	3.25	5	3.25	5	4	5	4
6	40	7	5	7	6	8	6	8	7	8	7	10	8
	60	6	4	6	5	7	5	7	6	7	7	8	7
	80	6	4	6	4	6	4	6	5	7	5	7	6
	100	5	3.25	5	4	6	4	6	5	6	5	7	5
8	40	8	6	8	7	8	7	10	8	12	10	12	10
	60	7	5	7	6	7	6	8	7	10	8	10	8
	80	6	4	6	5	6	5	7	6	8	7	8	7
	100	6	4	6	5	6	5	7	6	7	6	7	6
10	40	10	7	10	8	12	10	12	10	14	12	14	12
	60	8	6	8	7	8	7	10	8	12	10	12	10
	80	7	5	7	6	7	6	8	7	10	8	12	8
	100	7	5	7	6	7	6	8	7	8	7	10	8
12	40	12	8	12	10	12	10	14	12	16	14	16	14
	60	10	6	10	7	10	8	12	10	14	12	14	12
	80	8	6	8	7	10	7	10	8	12	10	12	10
	100	8	5	8	6	8	7	10	8	10	8	12	10
14	40	12	10	12	12	14	12	16	14	18	16	18	16
	60	12	7	12	10	12	10	14	12	14	12	16	14
	80	10	7	10	8	10	8	12	10	12	10	14	12
	100	8	6	8	7	10	8	10	10	12	10	12	10
16	40	14	10	14	12	16	14	18	16	20	16	20	18
	60	12	8	12	10	14	12	14	12	16	14	18	14
	80	10	7	10	8	12	10	14	12	14	12	16	14
	100	8	7	10	8	10	10	12	10	12	12	14	12
18	40	14	12	16	14	18	16	20	18	22	20	22	22
	60	12	10	14	12	14	14	16	14	18	16	18	18
	80	10	8	12	10	14	12	14	12	16	14	16	16
	100	10	8	10	10	12	10	12	12	14	12	14	14
20	40	16	12	18	16	20	18	22	20	22	22	24	24
	60	12	10	14	12	16	14	18	16	20	18	20	20
	80	10	10	12	12	14	12	16	14	16	16	18	16
	100	10	8	12	10	12	12	14	12	16	14	16	14
24	40	16	14	20	18	22	20	24	24	*	*	*	*
	60	14	12	16	14	18	18	20	20	22	20	24	22
	80	12	10	14	12	16	14	18	16	20	18	20	20
	100	12	10	12	12	14	14	16	14	18	16	18	18

* Consult Factory

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