

Power Plant Supply Co contact us Duckbill Check Valve Canada Suppliers

<http://www.powercanadasolutions.com/checkvalves.html>

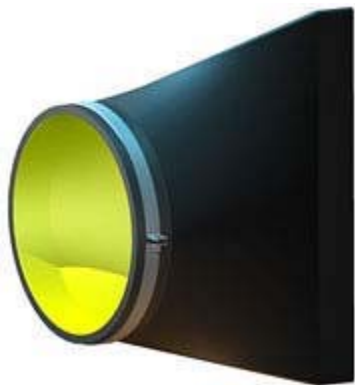
Ph 902 435 9899 Fax 902 435 9199

Duckbill Check Valves, widely used in the demanding applications of many industries, are precision-molded, one-piece elastomeric valves that provide reliable backflow prevention at low pressure differentials. Duckbill check valves allow free flow with positive differential pressure. With negative differential pressure, backflow is checked. Pressure drop across the valve is a feature unique to Duckbill Check Valves. They can be designed to operate in a few millimetres (inches) of water to several hundred kPa (psi), depending on valve size, geometry and compound characteristics. Duckbill Check Valves are also designed to start functioning at specific opening and closing pressure ranges, depending on your specifications.

- Normally Open one-way check valves
- Prevents backflow leakage when minimal backpressure is applied
- Can be installed easily into hole and sealed by compressing flange

Construction Material Available

- EPDM
- PURE GUM RUBBER (PGR)
- NEOPRENE
- WHITE FOOD GRADE NEOPRENE
- BUNA-N
- WHITE FOOD GRADE BUNA-N
- HYPALON
- VITON
- WHITE FOOD GRADE VITON



Slip On Duckbill Valve CSO Model

- 100% elastomer construction eliminates maintenance
- Will not corrode, warp or freeze open or shut
- 1"-2" Cracking Pressure, Low Head loss
- Custom built for each application based on pressure and flow conditions

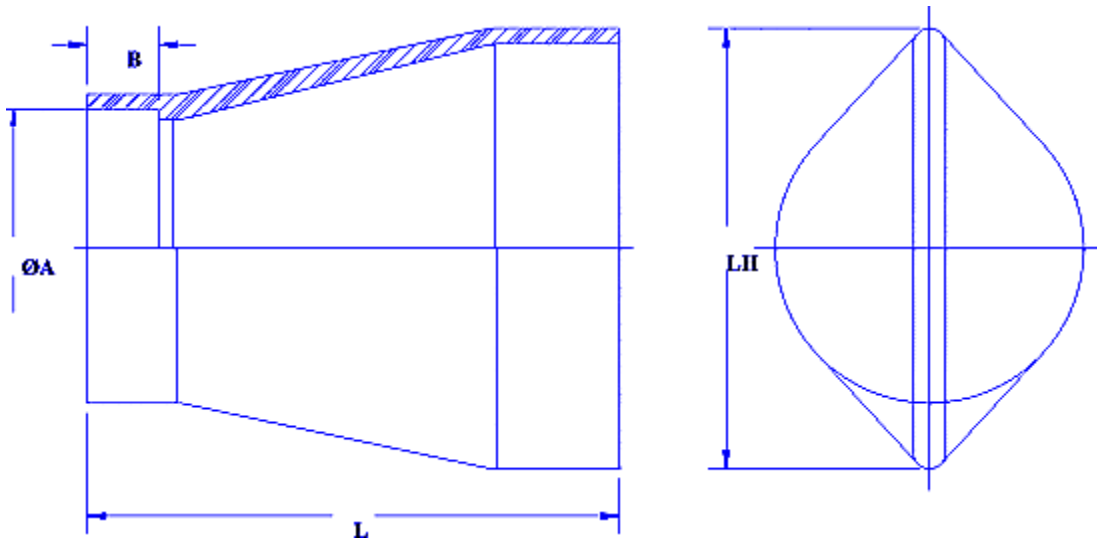
Available in all diameters with 304 Stainless Steel (Std.) Clamps,
316 Stainless Steel Clamps and Special Alloys.

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Pipe Size A (in)	B (in)	L (in)	LH (in)	Pipe Size A (in)	B (in)	L (in)	LH (in)
1/2	1	2 1/2	1 3/8	20	8	34	34
3/4	1	3	1 5/8	22	8	36	37
1	1	3 1/2	2 1/4	24	8	40	40
1 1/2	1	5	2 3/4	26	8	42	40
2	1 1/2	6	3 7/8	28	8	44	46
2 1/2	2	8	5	30	10	48	50
3	3	9	5 1/2	32	10	48	50
4	3	12	8	36	10	58	60
5	3	14	9	40	12	60	64
6	4	16	12	42	12	60	64
8	4	17	15	48	12	66	70
10	4	20	19	54	12	72	76
12	5	24	22	60	12	82	82
14	5	28	25	66	14	90	90
16	5	30	28	72	14	98	108
18	6	32	30	84	18	108	120
20	8	34	34	96	18	114	132

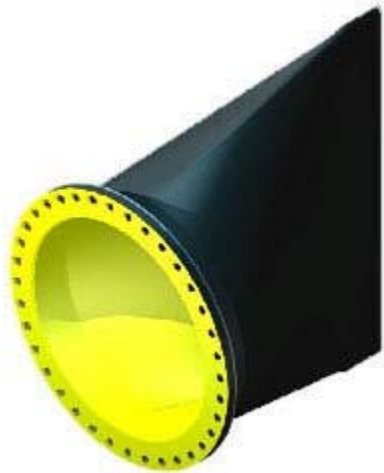
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Flanged Duckbill Valve CVF Model



Manufactured with an integral reinforced rubber flange complete with metal backing rings the Series CVF can be bolted directly to a headwall, tank wall or pipe flange.

Available in standard sizes up to 96" we will also manufacture any valve size to meet your exact needs.

Applications Sewer Interceptors - Outfall Lines - Wet/Dry Wells
- Storm water discharge - Submerged outfall diffuser nozzle

CVF Model Flanges and Backing Rings

Flat faced, reinforced rubber flanges with metal backing rings are drilled in accordance with customer specifications.

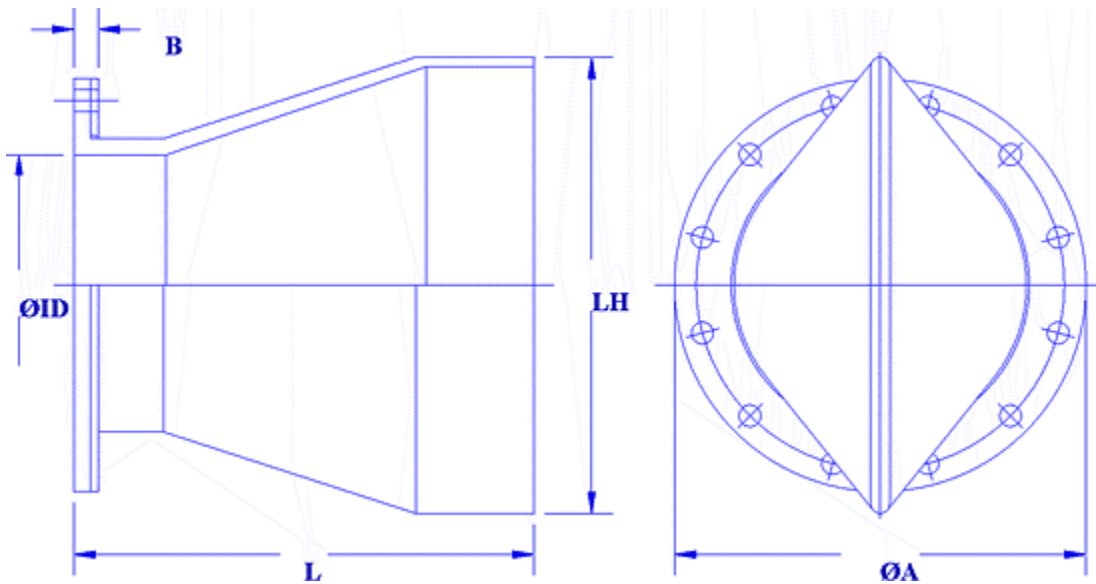
In addition to piping industry standards, unique dimensions and shapes of flanges are also available.

Flange backing rings are available in galvanized steel or painted steel and stainless steels depending on the application. Fuller Valve recommends stainless steel backing rings.

Larger diameter valves are supplied with a lifting clevis to assist the installation of the valve. The same clevis can be used to support the valve and water weight.

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Pipe Size ID (in)	A (in)	B (in)	Maximum Length - L (in)	Maximum Height - LH (in)	Pipe Size ID (in)	A (in)	B (in)	Maximum Length - L (in)	Maximum Height - LH (in)
1/2	3 1/2	5/8	2 1/2	1 3/8	18	25	1 5/8	30	29 3/4
3/4	3 7/8	5/8	2 7/8	1 5/8	20	27 1/2	1 5/8	32 1/2	31 5/8
1	4 1/4	5/8	3	2 1/4	22	29 1/2	1 5/8	35 1/2	35 1/2
1 1/4	4 5/8	5/8	5 5/8	2 5/8	24	32	1 5/8	42	40
1 1/2	5	5/8	5 3/4	2 3/4	28	36 1/2	1 5/8	42	43
2	6	5/8	5 3/4	3 7/8	30	38 3/4	1 5/8	44	47
2 1/2	7	5/8	7 5/8	5	32	41 3/4	1 5/8	51 1/2	51 1/4
3	7 1/2	1 1/8	9	5 5/8	36	46	1 7/8	54	55 3/8
4	9	1 1/8	12	8	42	53	2 3/8	63	71
5	10	1 1/8	15 3/8	8 3/4	48	59 1/2	2 3/8	69 1/2	74 3/8
6	11	1 3/8	15 3/4	11 3/4	54	66 1/4	2 3/8	70	86
8	13 1/2	1 3/8	16 3/4	14 1/8	60	73	2 3/8	72	97
10	16	1 3/8	21 5/8	17 3/8	62	75 3/4	2 3/8	89	99
12	19	1 3/8	26 1/2	22	72	86 1/2	2 3/8	96	116 3/4
14	21	1 3/8	26	24 5/8	84	100	2 3/8	96	135
16	23 1/2	1 3/8	31	27 1/2	96	99 3/4	2 3/8	99	135

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Power Plant Supply Co: Duckbill Check Valve Requirements

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In-Line Insertable Duckbill Valve – Model CVI

Fuller Duckbill Valve Series CVI In-Line Check Valves are designed to fit right inside the pipe. No valve body is required.

Model CVI, Inline Check Valve is ideal for backflow prevention and odor mitigation; in outfalls, stormwater, CSO and SSO applications, the CVI custom-engineered, all-rubber design eliminates costly backflow from oceans, rivers and interceptors.

Model CVI-E fits directly inside the pipe and is secured in place by an expandable clamp ring made of stainless steel.

Model CVI-F also fits directly inside the pipe and is bolted in place between the pipe flanges.

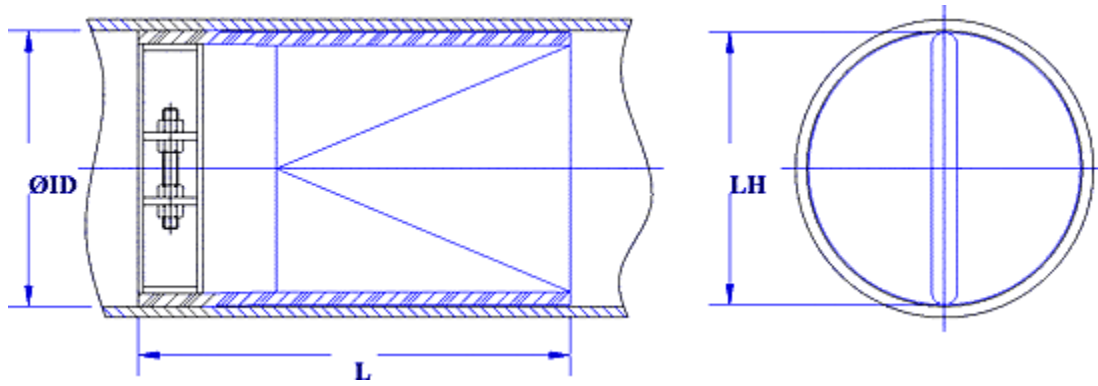
The CVI is predominantly used in gravity-driven outfall pipes, manholes and vaults where The valve is inserted into the effluent pipe and compressed to the pipe ID with the expansion clamp. The CVI Model can also be inserted into the end of a pipe, with a custom fabrication design using Link Seal Modular Seals and Sleeve, which allows the CVI to be inserted in the outfall pipe from the downstream flow side.

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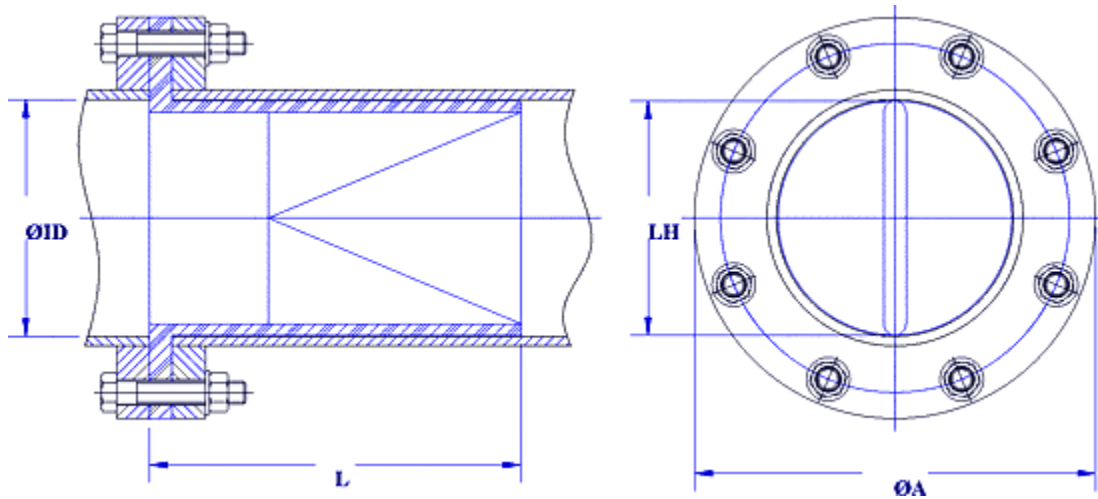
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Series CVI-E



Series CVI-F



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PIPE - ID (in)	A (in)	L (in)	LH (in)	PIPE - ID (in)	A (in)	L (in)	LH (in)
2	6	6	1 7/8	18	25	25	16 3/4
3	7 1/2	8	2 7/8	20	27 1/2	32	18 3/4
4	9	12	3 7/8	22	29 1/2	33	21 3/4
5	10	14	4 7/8	24	32	34	22 3/4
6	11	15	5 7/8	26	34 1/4	36	24 3/4
8	13 1/2	17	7 7/8	28	36 1/2	39	26 3/4
10	16	20	9 7/8	30	38 3/4	42	28 3/4
12	19	21	11 7/8	34	43 3/4	45	32 3/4
14	21	22	12 3/4	36	46	46	34 3/4
16	23 1/2	23	14 3/4	42	53	50	40 3/4

Incertable Duckbill Valve-Model CVI



Fuller Valve Series CVJ In-Line Check Valves allow full flow with minimum pressure drop. The flexible rubber sealing lips are silent when opening and closing, compensate for wear and will seal around material trapped in the sealing area.

Fuller Valve Series CVJ In-Line Check Valves are a cost effective and reliable alternative to conventional check valves.

There are no internal mechanical components to break or seize, maintenance is virtually zero. Series CVJ valves are furnished with flush and cleanout ports to remove any build-up which may occur.

Valve bodies are made of cast ductile iron, welded steel or stainless steel as determined by size or application, all valves are provided with flush and clean-out ports.

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Valve bodies are flanged in accordance with requirements or in some cases may be plain pipe end for welding or compression couplings.

Valve bodies are coated inside and out with products that best meet the needs of the application. Paint, epoxy, urethane, rubber and hot dipped zinc are available.

Contact Power plant Supply Co <mailto:atlantic@powerplantsupplyco.com>

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Power Plant Supply Co has convenient shipping warehouse locations in Canada, to serve customers in Ontario, ON, Quebec, QC, Atlantic Canada, including New Brunswick, NB, PEI, Nova Scotia, NS, Newfoundland & Labrador, NL, British Columbia, BC, Alberta, AB, Manitoba, Man, Saskatchewan, SK, Nunavut, Northwest Territories, NWT, Yukon. Next day Air or convenient ground to major cities including Vancouver, Calgary, Edmonton, Fort McMurray, Winnipeg, Yellowknife, Thunder Bay, Hamilton, Toronto, Ottawa, Montreal, Quebec City, Saint John, Moncton, Fredericton, Charlottetown, Halifax, Sydney, Corner Brook, St John's.