

- Quiet operation
- Zero maintenance
- Design prevents backflow
- Will seal around solids
- Designed to withstand wear
- Tough enough for abrasive slurries

The Series CPI In-Line Check Valve is designed to be efficient, quiet and tough. It requires no external power sources, thereby reducing operation costs. The valve's simple design means there are no moving mechanical parts to break down or jam reducing maintenance costs.

CPI Valves easily handle corrosive or abrasive materials such as raw sewage, sludges or slurries. Their flexible design allows solids to pass through unhindered and can even surround solids trapped in the valve.

Series CPI In-Line Check Valves are versatile and can be installed either horizontally or vertically. Drilling is available in all flange standards.

The series CPI/IN is also available as an insert type check valve. An internal clamp is used to fasten the check valve to the inside of an existing pipe.

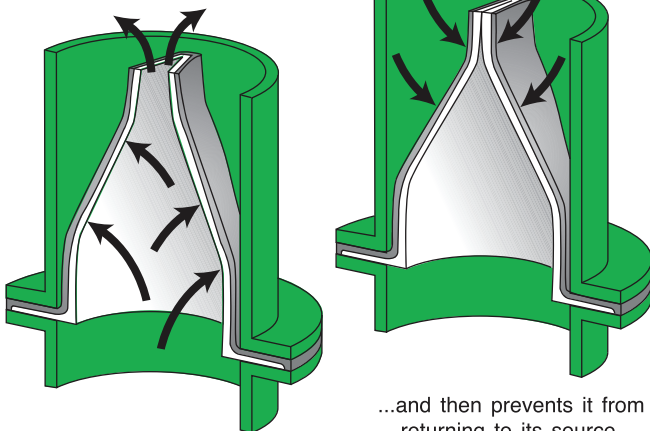


#### Typical Applications

Sewer Interceptors - Wet Wells - Mine Tailing Systems - Dredging - Scrubber Systems - Outfall Lines - Wet/Dry Wells

Manufactured with an integral full-faced rubber flange connection, CPI valves are mounted between existing pipe flanges, thereby eliminating the need for a valve body.

The CPI Series valve allows material to flow through...

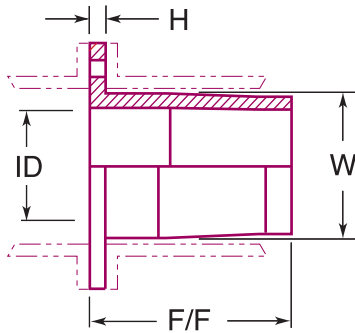


...and then prevents it from returning to its source.

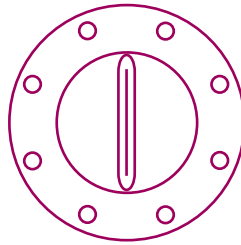
The heart of the Elasto-Valve Series CPI Backflow Preventer is a fabric reinforced rubber "duckbill" sleeve manufactured with top quality materials. This flexible sleeve provides maximum flow with a minimum pressure drop across the valve at all times.

Unlike conventional check valves - which require frequent maintenance to replace worn seats, hinge pins, balls or flappers - there is little or no maintenance with CPI Valves.

Available in a variety of styles and reinforced elastomers, the Elasto-Valve Series CPI Backflow Preventer can be adapted to almost any application.



Drilling available in all flange standards.



For engineering specifications or when placing your order, please provide the following information:

	Minimum	Maximum
Flow Rate	<input type="text"/>	<input type="text"/>
Flow Velocity	<input type="text"/>	<input type="text"/>
Line Pressure	<input type="text"/>	<input type="text"/>
Back Pressure	<input type="text"/>	<input type="text"/>
Media	<input type="text"/>	<input type="text"/>

PIPE SIZE	2	3	4	5	6	8	10	12	14	16	18	20	24
ID <sup>1</sup>	1-1/4	2-1/4	3	4	5	6-5/8	8-5/8	10	11-1/2	13-1/2	15-1/4	17	20-1/2
F/F <sup>1</sup>	6	7-1/2	13	14-1/2	16	18	20	21	22	24	27	30	33
H <sup>1</sup>	1/2	1/2	3/4	3/4	3/4	3/4	3/4	1	1	1	1	1-3/16	1-3/8
W <sup>1*</sup>	1-7/8	2-7/8	3-7/8	4-7/8	5-7/8	7-5/8	9-5/8	11-7/8	12-3/4	14-3/4	16-3/4	18-3/4	22-3/4

1 - inches    2 - psi

Dimensions can be revised to suit custom specifications. Consult factory for other sizes.

\*Dimensions are for clearance purposes only. Actual product dimensions may vary based upon specific application requirements.

### Elastomer Selection Guide

#### Ethylene Propylene Rubber (EPDM)

Most effective for applications involving water, steam or diluted acids.

#### Viton (FKM)

Resists solvents, halogenated hydrocarbons, oxygen, weather, ozone, oils and chemicals.

#### Buna N (NBR)

Resistant to kerosene, moderate chemicals, fats, oils, grease and many hydrocarbons.

#### Pure Gum Rubber (PGR) / Natural Rubber (NR)

Good abrasion resistance, tensile strength and resiliency. Also suitable when dealing with organic acids, alcohols, ketones and most moderate chemicals.

#### Hypalon (CSM)

Resists strong acids and bases, ozone, weathering, heat and oxidizing chemicals.

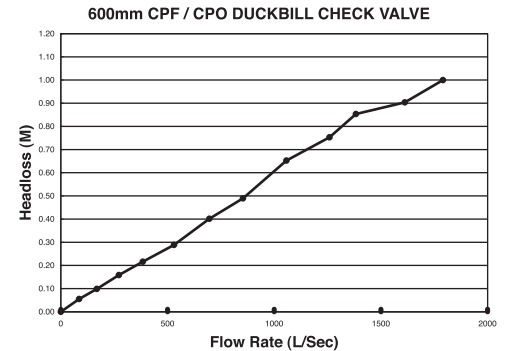
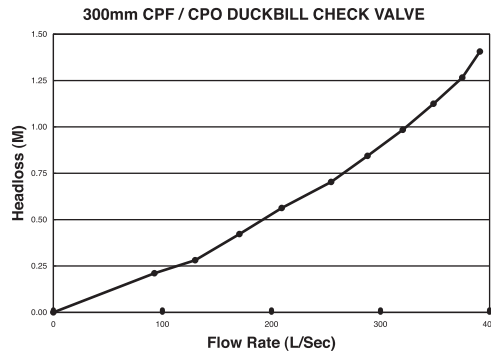
#### Butyl (CIIR)

Good resistance to animal and vegetable fats, strong and oxidizing chemicals, oils, heat and greases.

#### Neoprene (CR)

Generally resistant to oil and grease, moderate chemicals, fats,

When placing your order, please indicate sleeve material by appending elastomer abbreviation (CR, NR, etc) to the model name.  
**IE: Series CPI-CR**



Sample Flow Rate vs. Headloss Graphs. (Note: Adjust flow rate down for CPI valves) Other valve sizes available upon request. Based on flow testing at Utah State University.

### Warranty Policy

All products manufactured by Elasto-Valve Rubber Products Inc. (EVR) are guaranteed against defects resulting from faulty workmanship or materials for one (1) year from date of shipment to Buyer. If any such product is found to be defective by reason of faulty workmanship or materials, then upon written notice and return of the product, and at EVR's sole discretion, the defective product will be replaced or repaired by EVR free of charge at EVR's factory. Claims for labour costs and other expenses required to replace and/or transport such defective product or to repair damage resulting from the use thereof will not be allowed by EVR. Our liability does not include consequential damages and is limited to the price paid for the defective product. EVR shall not be bound by any other warranty other than the above set forth unless such warranty shall be agreed in writing by EVR. All EVR literature is published in good faith and is believed to be reliable at time of print; however, due to product design changes EVR reserves the right to make alterations from published materials at any time. Formal approval drawings are available to confirm individual products upon request at time of order.

Distributed by:

### ELASTO-VALVE RUBBER PRODUCTS INC.

1691 Pioneer Road, Sudbury,  
Ontario Canada P3G 1B2  
Tel. (705)523-2026 - Fax. (705)523-2033  
Toll Free 1-800-461-6331 (N.A.)  
Website: [www.evrproducts.com](http://www.evrproducts.com)  
E-mail: [sales@evrproducts.com](mailto:sales@evrproducts.com)

ISO 9001 Certified

