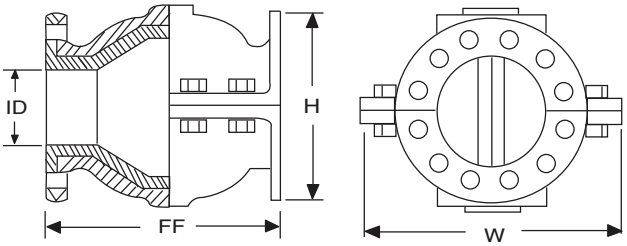
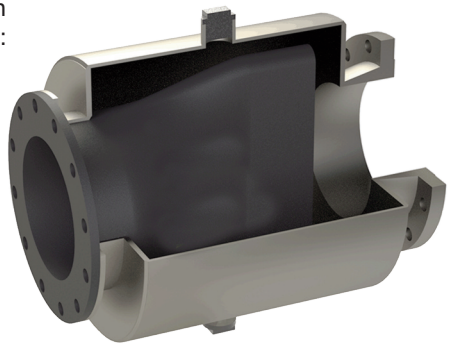
Series RF-DBJ
Jacket Style Duckbill Check Valve

Cla-Val Series RF-DBJ Duckbill Jacket Style Check Valves feature all-metal enclosures for installation in pipelines as a whisper quiet, non-slamming, low-maintenance, low pressure-drop check valve. A variety of elastomers allow DBJ valves to be used with many different fluids. When ordering, specify Model DBJ, nominal pipe, flange drilling, and add first letter of elastomer material IE: 4"-DBJ-N (N for Neoprene)

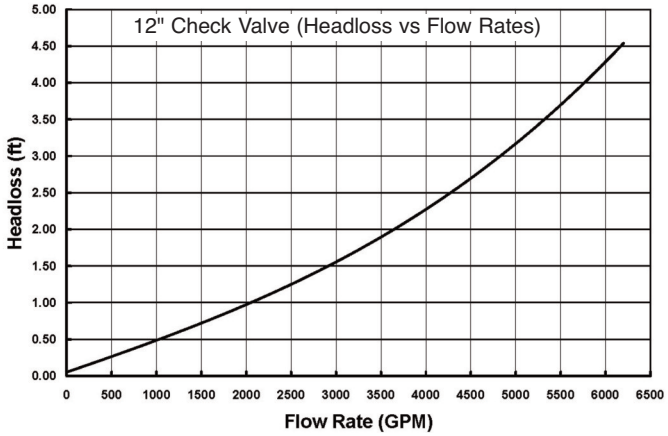


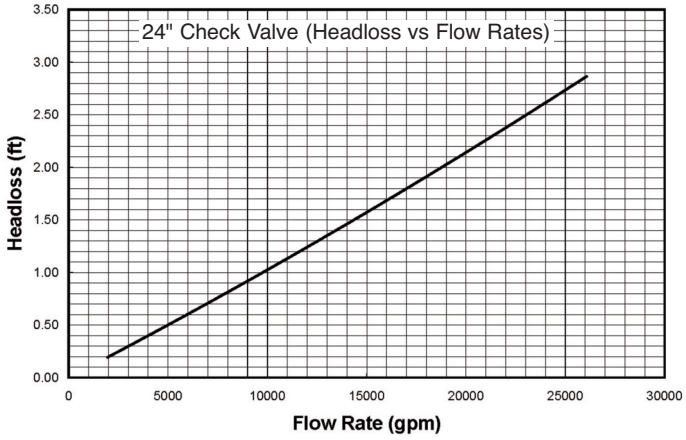
Note 1:
Dimensions are for clearance purposes only. Actual product dimensions may vary based upon specific application requirements.

Note 2:
Larger sizes are available, contact local office for pricing.



Size ID	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14	16	18	20	24
F/F	4 1/2	5 1/2	6 1/2	8 1/2	9 1/2	11 1/4	11 3/4	15 3/4	19	21	23	25	29	33	38	41 1/2	49 1/2
H	4 1/4	4 5/8	5	7 1/8	7 1/2	8 1/8	10 5/8	11 1/2	13 1/2	18	22 3/8	25	27 1/2	29	32 5/8	36 1/2	47
W	5 3/4	6 1/4	6 1/2	8 1/2	9	10	11 3/4	11 3/4	15 1/4	17 1/2	19 3/8	22 1/2	24	25	28 1/4	29	37 1/2
Wt. Lbs	9	11	17	32	40	51	88	137	180	257	440	640	790	930	1285	1714	2110





Sample Flow Rate vs Headloss Graphs.
Other size charts available upon request.
Based on flow testing at Utah State University.

Elastomer Selection Guide

Ethylene Propylene Rubber
Most effective for applications involving waste or diluted acids.

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

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

Natural Rubber
Good abrasion resistance, tensile strength and resiliency. Also suitable for applications with organic acids, alcohols, ketones and most moderate chemicals.

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

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

Neoprene
General resistant to oil, grease, moderate chemicals, fats, hydrocarbons, ozone. and barnacle growth.

Order Information	Flow Rate (gpm)	Line Pressure	Back Pressure
Minimum			
Maximum			

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