




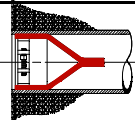

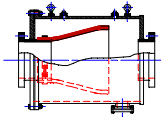

Duckbill

ONLYX VALVE



Check Valves

Table of Contents

	Model	Configuration	Page
	DBS	<ul style="list-style-type: none"> Slip-On Check Valve 	Page 1
	DBF	<ul style="list-style-type: none"> Flanged Check Valve Exterior Mounted 	Page 2
	DBCP	<ul style="list-style-type: none"> Flanged Check Valve In-Line Mounted 	Page 3
	DBRS	<ul style="list-style-type: none"> Slip-In Check Valve 	Page 4
	DBMJ	<ul style="list-style-type: none"> Fully Enclosed Check Valve 	Page 5
	DBMJ-F	<ul style="list-style-type: none"> Fully Enclosed Check Valve 	Page 6
	WCV	<ul style="list-style-type: none"> Flanged Check Valve Inserted between Mat-ing Flanges 	Page 7
	FLOW CHART	<ul style="list-style-type: none"> Flow Charts 	Page 8-10

Series DBS

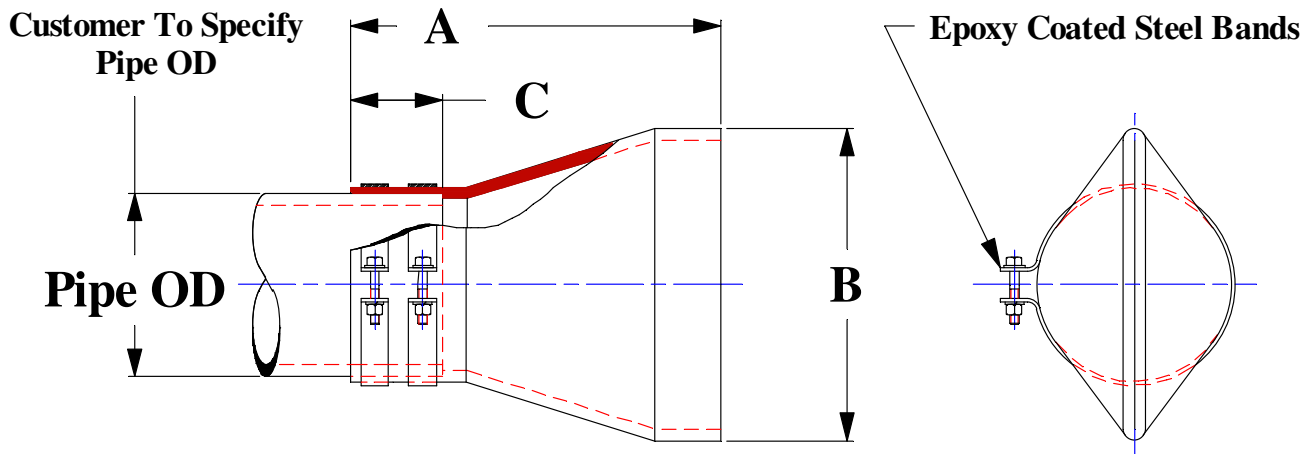
Slip-On Check Valve

- Elastomer materials of construction.
- Low pressure drop.
- Corrosion resistant
- Frost proof
- Silent operation.
- Available in a variety of elastomer compounds.
- Stainless steel clamp bands available in 304 or 316.



The series DBS rubber check valve effectively ensures mono-directional flow of slurries, sewerage, sludge and other hard to handle fluids.

The valve consists of an elastomer 'duckbill' with a slip-on connection. This simple rugged design eliminates the mechanical parts which can wear and jam in conventional check valves.



All Dimensions are in Inches. Weights are in Lb.

Size	1	1.5	2	2.5	3	4	5	6	8	10	12
A	3.00	6.00	6.00	8.00	8.50	12.00	15.00	16.00	17.00	21.00	27.00
B	2.00	3.00	4.00	5.00	6.25	7.25	9.00	12.75	15.00	17.00	21.00
C	1.00	1.00	1.00	1.50	2.00	2.00	2.00	2.00	2.50	3.00	4.50
Wt, lb	3	4	5	8	10	15	17	20	25	35	60

Size	14	16	18	20	24	30	32	36	42	48	60
A	27.00	27.00	30.00	32.00	40.00	44.00	50.00	53.00	56.00	60.00	75.00
B	24.00	27.00	29.00	32.00	40.00	50.00	52.00	60.00	70.00	76.00	100.00
C	4.50	5.00	6.00	8.00	8.00	10.00	12.00	12.00	12.00	12.00	14.00
Wt, lb	75	120	200	300	400	550	600	650	950	1125	1200

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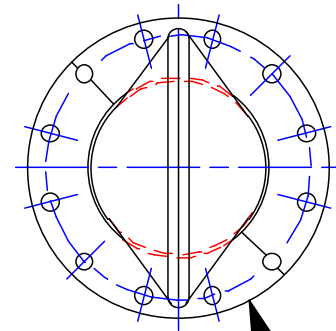
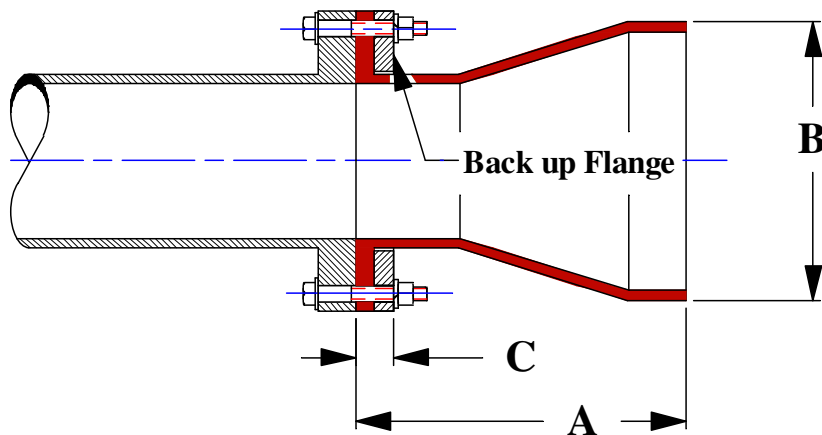
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Series DBF

Flanged Check Valve

The series DBF rubber check valve effectively ensures mono-directional flow of slurries, sewerage, sludge and other hard to handle fluids.

The valve consists of an elastomer 'duckbill' with a flanged connection. The back up flange is galvanized carbon steel, with 304 or 316 stainless steel as options. This simple rugged design eliminates the mechanical parts which can wear and jam in conventional check valves. They are available in a variety of elastomers.



**Flange is 125 Lb.
ANSI Standard
Flat Face.**

All Dimensions are in Inches. Weights are in Lb.

SIZE	1	1.5	2	2.5	3	4	5	6	8	10	12
A	3.00	5.00	6.00	8.00	8.50	12.00	15.00	16.00	17.00	21.00	27.00
B	2.00	3.00	4.00	5.00	5.50	8.50	9.00	10.50	13.50	17.00	20.00
C	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.87	0.87	0.87
Wt, lb	3	4	5	8	10	15	17	20	25	35	60

SIZE	14	16	18	20	24	30	32	36	42	48	60
A	27.00	27.00	28.00	32.00	40.00	44.00	50.00	54.00	60.00	70.00	80.00
B	24.00	28.00	29.00	31.00	40.00	51.25	52.00	62.50	74.00	78.00	95.00
C	1.00	1.12	1.50	1.50	1.50	2.00	2.00	2.00	2.25	2.50	2.50
Wt, lb	75	120	200	300	400	550	600	650	950	1000	1300

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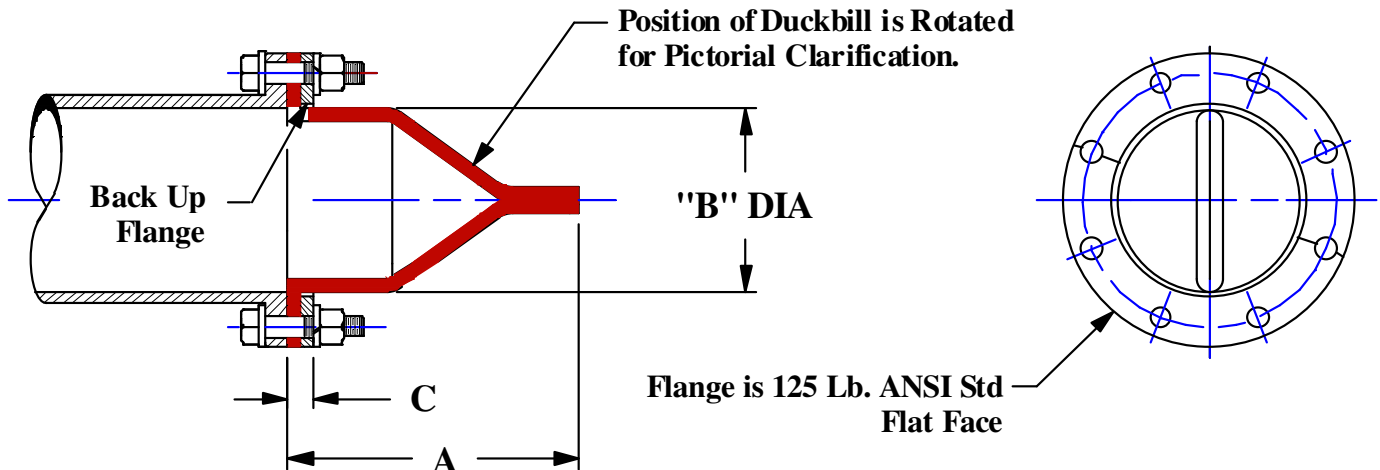
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Series DBCP

Flanged Check Valve

The series DBCP rubber check valve effectively ensures mono-directional flow of slurries, sewerage, sludge and other hard to handle fluids.

The valve consists of an elastomer 'duckbill' with a flanged connection. The back up flange is galvanized carbon steel, with 304 or 316 stainless steel as options. This simple rugged design eliminates the mechanical parts which can wear and jam in conventional check valves. They are available in a variety of elastomers.



All Dimensions are in Inches. Weights are in Lb.

SIZE	1	1.5	2	2.5	3	4	5	6	8	10
A	3.00	5.00	6.00	8.00	8.50	12.00	15.00	16.00	17.00	21.00
B	0.87	1.37	1.75	2.25	2.75	3.75	4.50	5.50	7.50	9.50
C	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.87	0.87
Wt, lb	3	4	5	8	10	15	17	20	25	35

SIZE	12	14	16	18	20	24
A	27.00	27.00	27.00	28.00	32.00	40.00
B	11.25	12.50	14.00	16.00	18.00	22.00
C	0.87	1.00	1.12	1.50	1.50	1.50
Wt, lb	60	75	120	200	300	400

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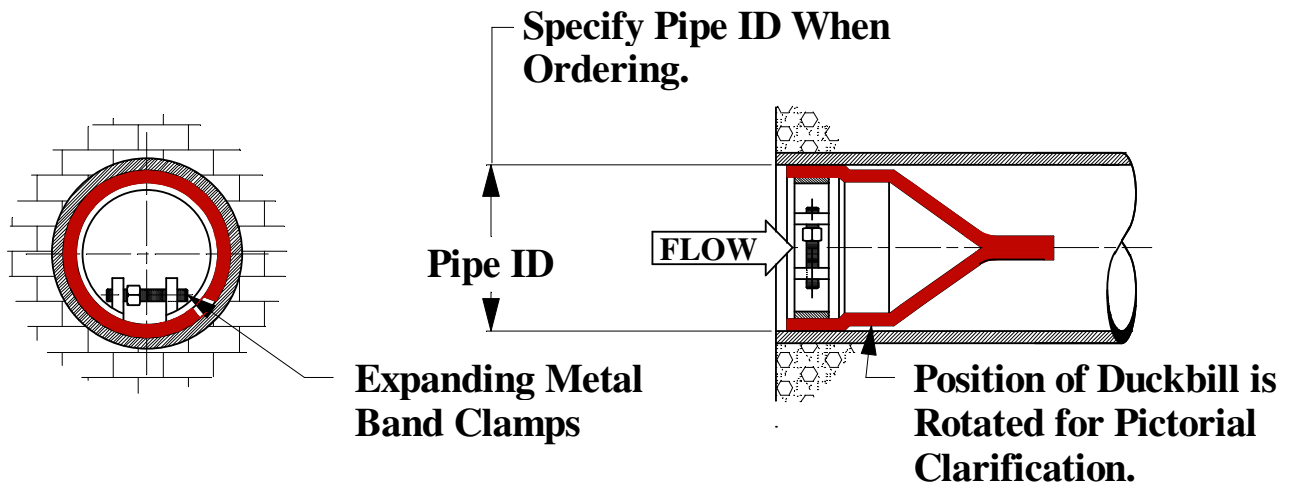
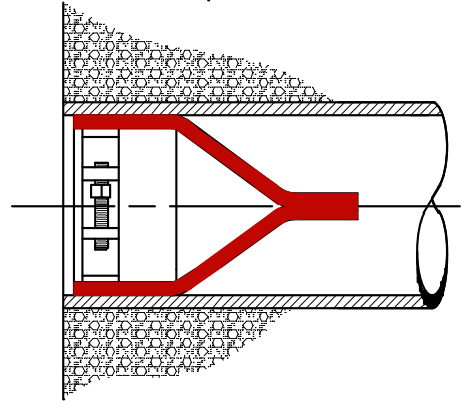
Series DBRS

Slip-In Check Valve

- Elastomer materials of construction.
- Low pressure drop.
- Corrosion resistant
- Frost proof
- Silent operation.
- Available in a variety of elastomer compounds.
- Stainless steel clamp bands available in 304 or 316.

The series DBRS rubber check valve effectively ensures mono-directional flow of slurries, sewerage, sludge and other hard to handle fluids.

The valve consists of an elastomer 'duckbill' that slips inside the pipe. An expanding metal band clamps the duck bill valve securely in place. This



All Dimensions are in Inches.

Size	2	2.5	3	4	5	6	8	10	12	14
A	5.00	5.50	6.00	7.00	9.00	11.00	13.00	16.00	18.00	22.00
B	1.87	1.37	2.87	3.75	4.75	5.75	7.75	9.75	11.75	13.5
Wt, lb	5	8	10	15	17	20	25	35	60	90

Size	16	18	20	24	30	32	36	42	48	60
A	23.00	24.00	32.00	40.00	44.00	48.00	50.00	55.00	60.00	70.00
B	15.50	17.50	19.50	23.00	29.00	31.00	35.00	40.00	46.00	58.00
Wt, lb	120	200	300	400	550	600	650	950	1125	1200

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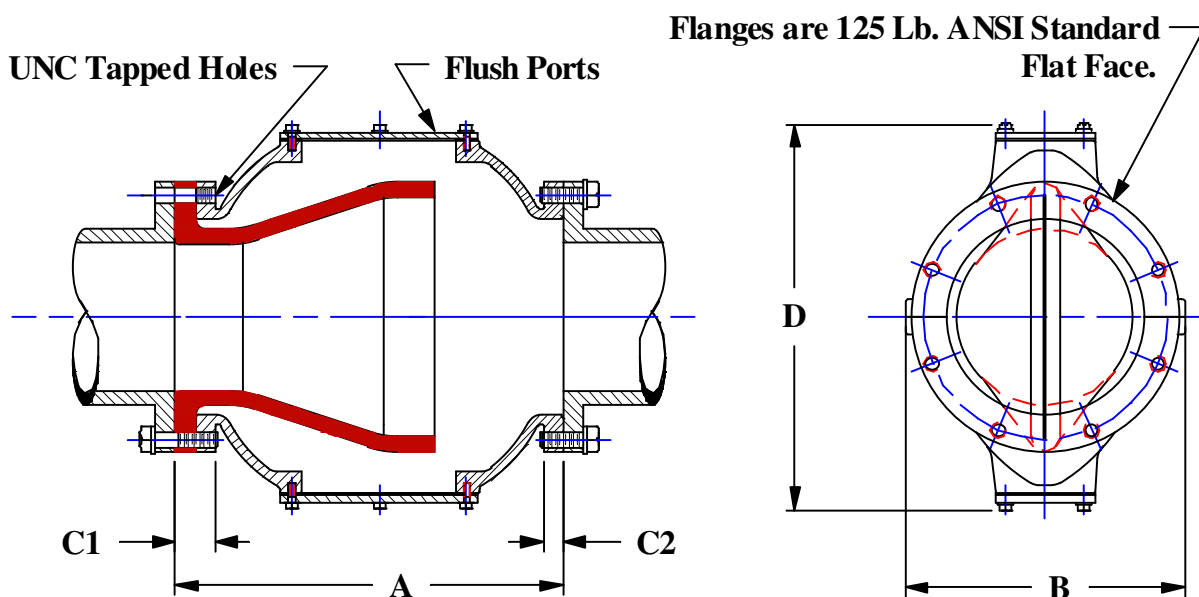
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Series DBMJ

Fully Enclosed Check Valve

The series DBMJ pinch valve effectively ensures mono-directional flow of slurries, sewerage, sludge and other hard to handle fluids.

The valve consists of an elastomer 'duckbill' type check valve inside an iron housing. This simple rugged design eliminates the mechanical parts which can wear and jam in conventional check valves. They are available in a variety of elastomers, with a grey iron housing.



All Dimensions are in Inches. Weights are in Lb.

SIZE	3	4	6	8	10	12	14	16	18	20	24
A	11.25	11.75	14.25	19.50	24.50	27.50	31.00	34.00	38.50	40.00	51.00
B	7.75	9.00	11.50	14.00	19.00	21.50	24.00	25.00	27.00	30.00	36.00
C1	1.12	1.12	1.12	1.37							
C2	0.75	0.75	0.75	1.00							
D	9.25	12.87	16.00	19.87	23.00	25.00	28.00	31.00	35.00	43.00	46.00
Wt, lb	50	90	180	260	440	650	800	940	1250	1700	2000

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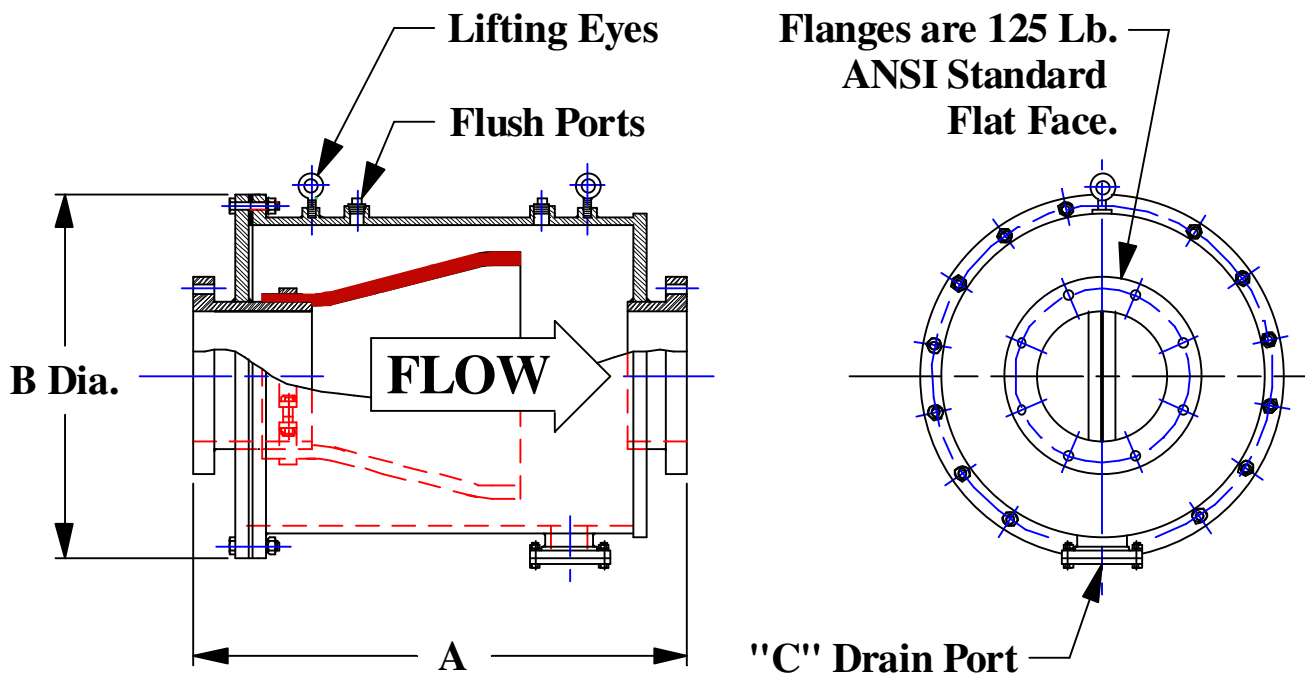
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Series DBMJ-F

Fully Enclosed Check Valve

The series DBMJ-F pinch valve effectively ensures mono-directional flow of slurries, sewerage, sludge and other hard to handle fluids.

The valve consists of an elastomer 'duckbill' type check valve inside a steel housing. This simple rugged design eliminates mechanical parts which can wear and jam in conventional check valves. They are available in a variety of elastomer compounds, with a carbon steel fabricated housing.



All Dimensions are in Inches. Weights are in Lb.

Size	14	16	18	20	24	30	36	42	48	54	60
A	35.00	40.00	45.00	50.00	60.00	70.00	85.00	90.00	100.00	110.00	120.00
B	28.00	32.00	35.00	43.00	50.00	66.00	77.00	90.00	102.00	126.00	130.00
C	3.00			6.00							
Wt, lb	800	950	1300	1800	2100	2400	3500	5000	6500	7250	9000

Dimensions are subject to change without notice. Consult factory for certified drawings prior to final design / construction.

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Series WCV Check Valve

Wafer-Style Check Valve

- The Wafer-style series WCV Check valve is an entirely new check valve design specifically engineered for water application. The WCV Check valve operates solely on line pressure and back pressure to open and close.... no outside energy source is required. As line pressure builds, the elastomeric flapper disc is pushed away, allowing the water to pass. The memory of the rubber will cause the flapper disc to return flat, and back pressure will seal the flapper against the plate to prevent backflow. The WCV Check valve is designed to be inserted between two mating flanges.



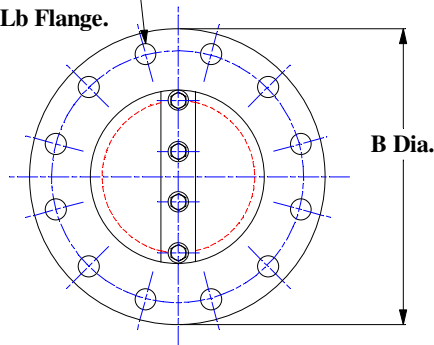
- Material of Construction

Flapper Disc : Pure Gum Rubber
EPDM, Buna-N

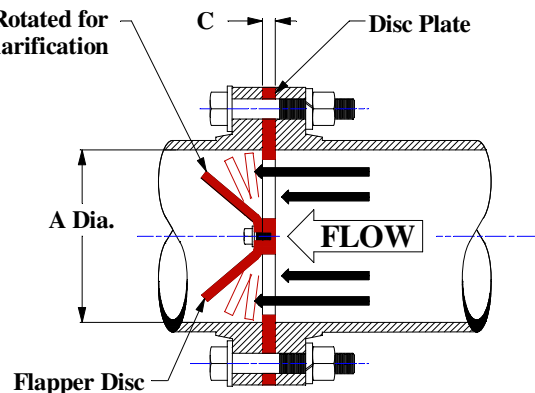
Disc Plate : Epoxy Coated Carbon Steel (Standard)
304 or 316 Stainless Steel (Optional)

- Installation : For Horizontal Pipe, orient the center rib in Vertical Position as shown below. For Vertical Pipe, WCV Check Valve shall be installed for “Flow Up” direction only.

Hole Pattern Matches
ANSI Standard
150 Lb Flange.



View is Rotated for
Pictorial Clarification



All Dimensions are in Inches

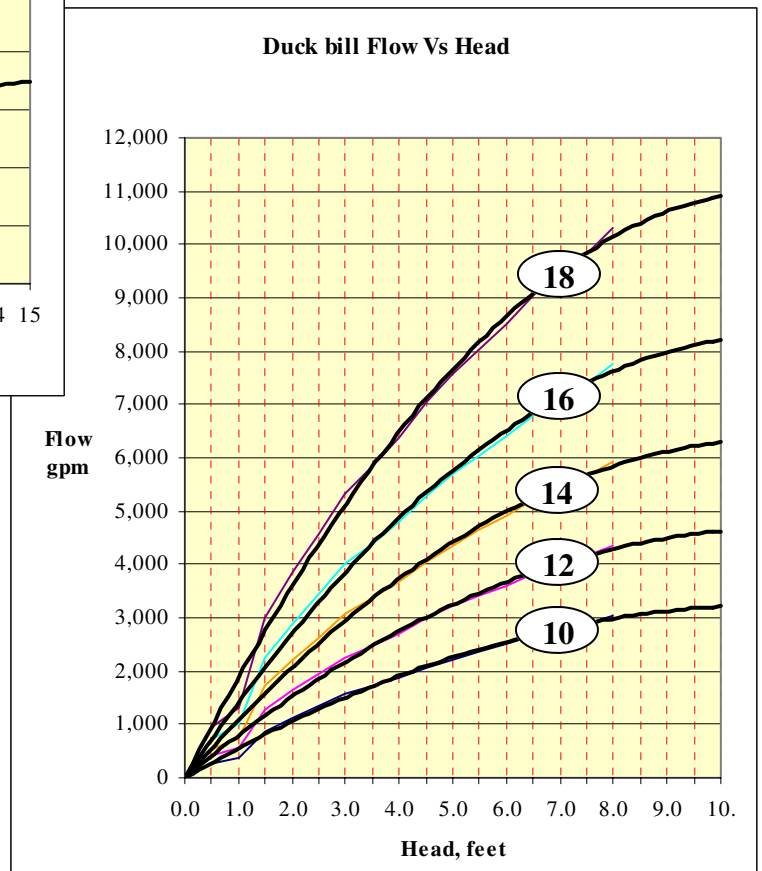
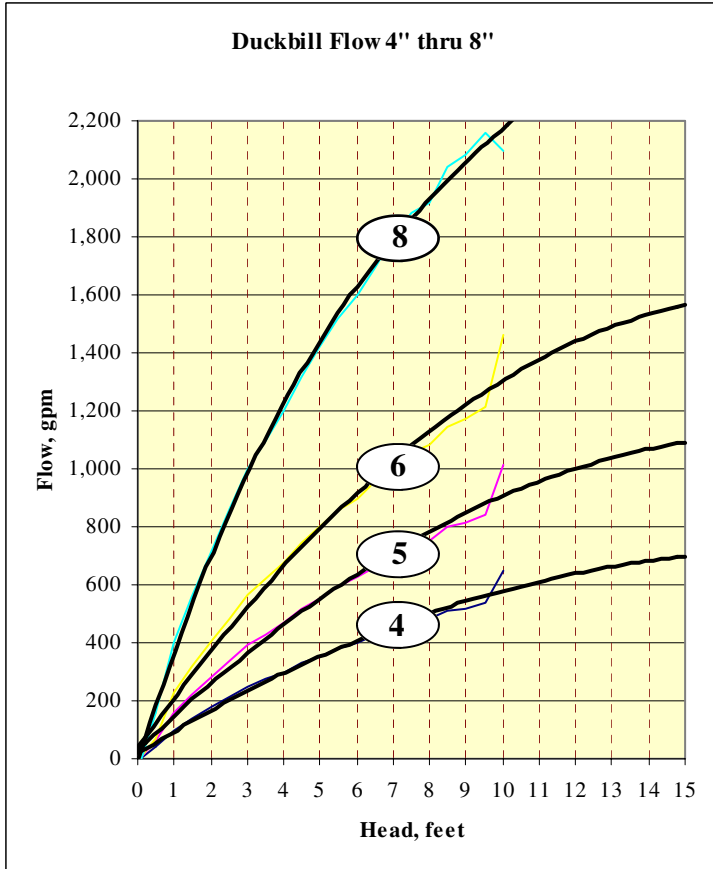
Size	4	5	6	8	10	12	14	16	18	20	24	30	36
A	4.00	5.00	6.00	7.90	10.00	12.00	13.25	15.25	17.25	19.25	23.25	29.25	35.25
B	9.00	10.00	11.00	13.50	16.00	19.00	21.00	23.50	25.00	27.50	32.00	38.75	46.00
C	0.50					0.62			0.75			1.00	
Cv	350	520	800	1500	2500	3800	4500	6000	7500	10000	15000	25000	35000
P, Max	120 psi					80 psi						60 psi	

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Flow Chart



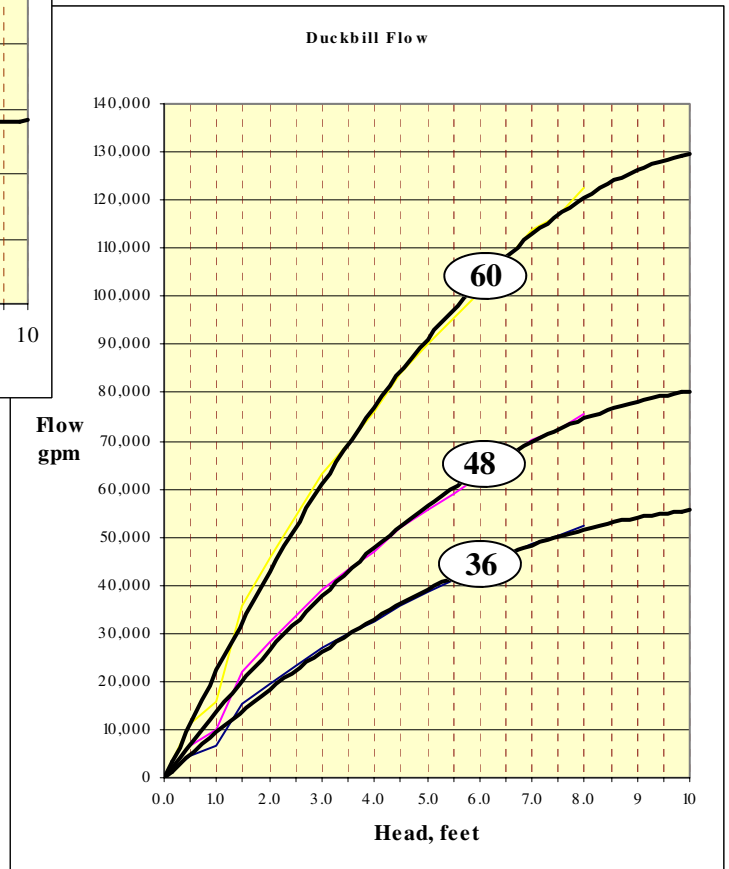
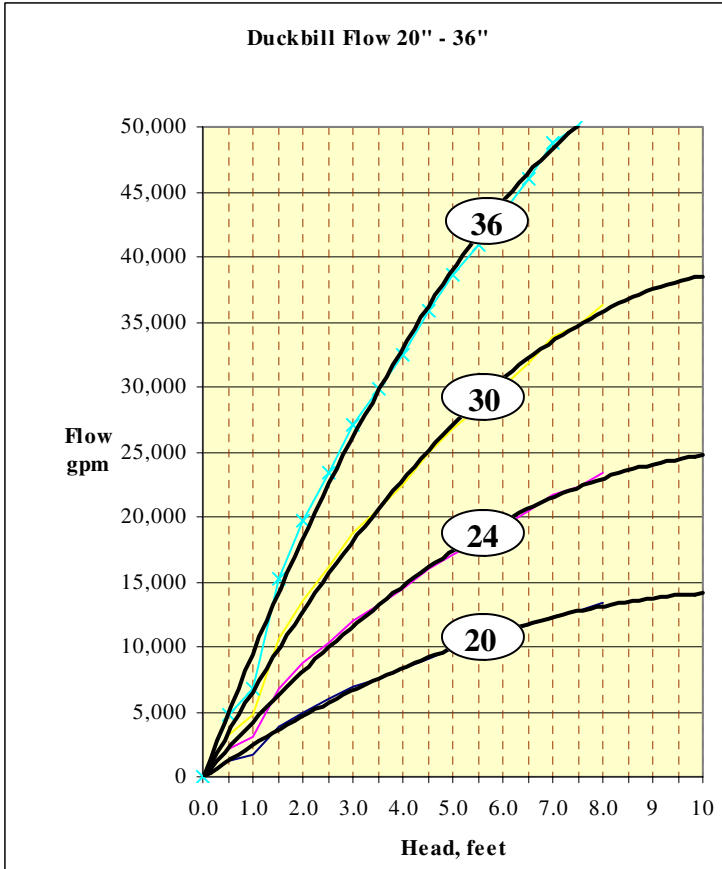
Note: Duckbill Check Valve Series DBCP and DBRS Constructions Reduce the above values by 50 %.

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Flow Chart



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