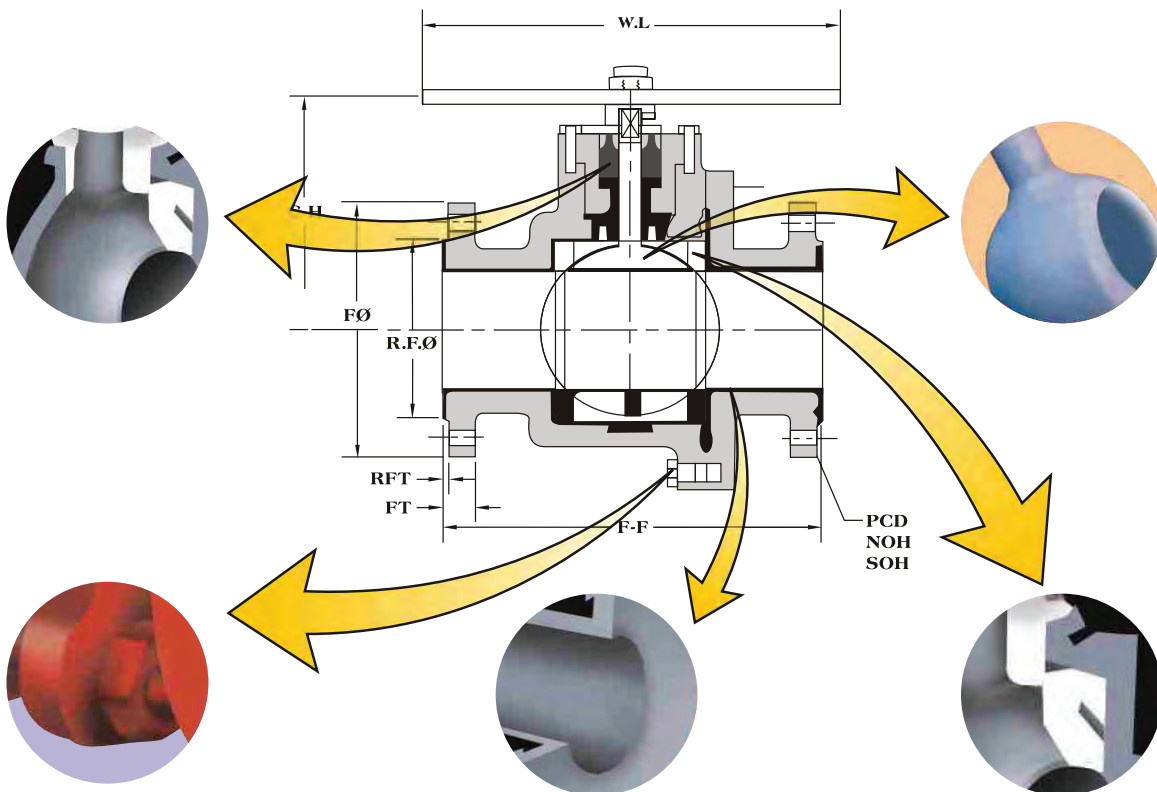


“V” Notch Control Lined Ball Valve for throttling control application is available



SECTIONAL LINE DRAWING



MATERIAL OF CONSTRUCTION:

Description	Material specification	Description	Material specification
Body	Ductile Iron/ WCB /CF8M	Handle Cup	STEEL
Body End		Stud	SS
Ball with Integral Stem		Nut	SS
Seat Ring	PTFE	Hex-Bolt	SS
Stem Bearing	PTFE	Socket-Head screw	SS
Gland Box	DUCTILE IRON	Stopper Plate	STEEL
Bush	PTFE	Hex-Bolt	STEEL
Gland Packing	PTFE	Lever Rod	STEEL
Gland Nut	ASTM A 276 TYPE 316	Lining	PFA
Gasket	PTFE		

Model 990 Ball Valves’ meticulously planned Design is blown out for you to compare and contrast the same with other fully lined ball valve manufacturers.

PFA

(Perfluoroalkoxy)

PFA is a higher temperature resin with the same outstanding chemical inertness as PTFE. Due to its chemical composition, PFA retains a high amount of mechanical strength at elevated temperatures. The maximum temperature rating of the Model 990-150 PFA lined ball valve is 400 degrees F.

all dimensions in Inches

Size	F-F	FØ	F.T	RFØ	RFT	P.C.D	NOH	SOH	W.L	G.L	C-H
	CLASS	CLASS	CLASS			CLASS	CLASS	CLASS			
	150#	150#	150#			150#	150#	150#			
½	4.25	3.50	.44	1.38	.125	2.38	4	.63	6.38		2.75
¾	4.63	3.88	.44	1.69	.125	2.75	4	.63	6.38		2.88
1	5.00	4.25	.44	2.00	.125	3.13	4	.63	8.75		3.50
1½	6.50	5.00	.56	2.88	.125	3.88	4	.63	12.50		4.13
2	7.00	6.00	.63	3.63	.125	4.75	4	.75	18.00		4.50
2½	8.00	7.50	.75	4.13	.125	5.50	4	.75	24.00		5.13
3	8.00	7.50	.75	5.00	.125	6.00	4	.75	24.00		5.13
4	9.00	9.00	.94	6.19	.125	7.50	8	.75	30.00		6.00
6	10.50	11.00	1.00	8.50	.125	9.50	8	.88		18	7.50
8	11.50	13.50	1.13	10.63	.125	1.75	8	.88		18	9.00

LEGEND

F-F	FACE TO FACE	NOH	NUMBER OF HOLES
FØ	FLANGE DIAMETRE	SOH	SIZE OF HOLE
F-T	FLANGE THICKNESS	W.L	WRENCH LENGTH
RFØ	RAISED FACE DIAMETRE	G.L	GEAR LENGTH
RFT	RAISED FACE THICKNESS	C-H	CENTRE OF FLANGE TO HEIGHT OF BODY
P.C.D	PITCH CIRCLE DIAMETRE		



TORQUE AND Cv VALUE

For CLASS 150#

Size		Break - Away Torque inch Lbs (Nm)	Flow Rate (Value) Cv
Inch	mm		
1	25	75 (8.5)	41
1.5	40	245 (28)	173
2	50	305 (35)	317
3	80	565 (64)	682
4	100	870 (98)	1495
6	150	2150 (243)	3558

TORQUE

Start	- Break - Away Torque
Running	- 60% of B.A.T
Close	- 80% of B.A.T

HOW TO ORDER YOUR LINED BALL VALVE?

Example*

Lined Ball Valve	LBV
Class 150#	1
DI Body	02
DI Ball	02
PFA Lining	A
Wrench Operation	W
Flanged End	FE
Size ½"	0050

VALVE TYPE

LBV	LINED BALL VALVE
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OPERATION

W	WRENCH OPERATED
G	GEAR OPERATED

PRESSURE CLASS

1	150#
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END CONNECTION

FE	FLANGED END
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BODY / END PIECE MATERIAL

02	DI
03	WCB
04	SS 316 (CF8M)

SIZES

SIZES	INCHES	MM
0050	½"	15
0075	¾"	20
0100	1"	25
0150	1½"	40
0200	2"	50
0300	3"	80
0400	4"	100
0600	6"	150
0800	8"	200
1000	10"	250
1200	12"	300
1400	14"	350
1600	16"	400

BALL

02	DI
03	WCB
04	SS 316 (CF8M)

LINING

A	PFA
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SPECIFY THE FOLLOWING WITH PART NUMBERS:
Lined Ball Valve, Class, Body, Ball, Lining, Operation, End Connection, Size.

***EXAMPLE:**
LBV10202AWFE0050

Lined Ball Valve, Class 150#, Body - Ductile Iron ASTM A 395 , Ball - Ductile Iron ASTM A 395, Lining-PFA, Wrench Operation, End Connection - Flanged End, Size - ½".