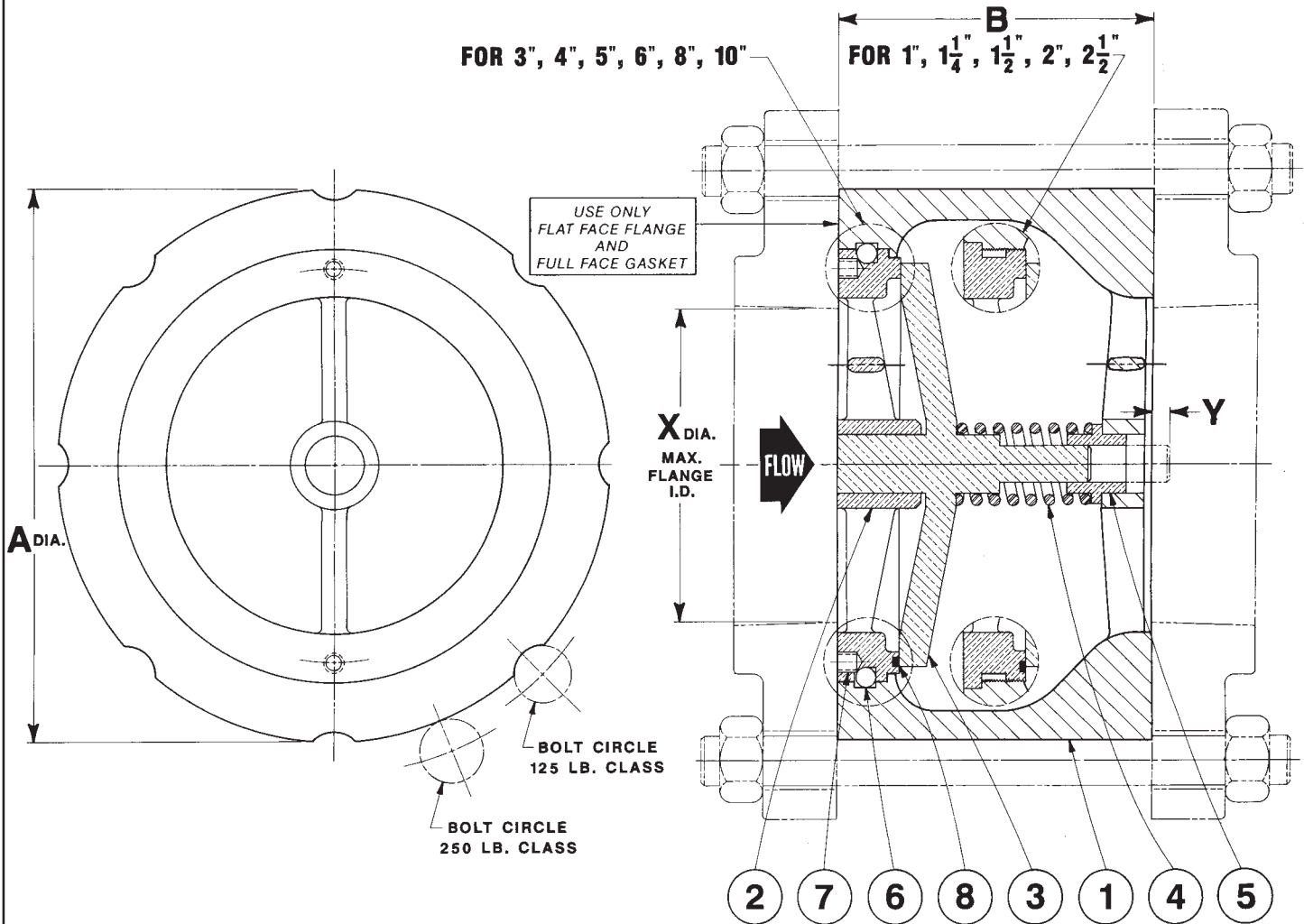


SILENT CHECK VALVE - WAFER STYLE



Factory Mutual System

★ APPROVED

DET	DESCRIPTION	MATERIAL
1	BODY	CAST IRON ASTM A126 GR. B
2	SEAT	BRONZE ASTM 584
3	PLUG	BRONZE ASTM 584
4	SPRING	STAINLESS STEEL ASTM A313 T316
5	BUSHING	BRONZE ASTM 584
6	SEAT RETAINING BALL	STAINLESS STEEL ASTM A276 T440
7	SEAT RETAINING SCREW	STAINLESS STEEL 18-8
8	RESILIENT SEAT	BUNA-N (OPTIONAL)

FLANGES, BOLTS, NUTS, GASKET, NOT INCLUDED.

$\frac{1}{16}$ RAISED FACE FURNISHED ON CAST STEEL ONLY.

CERTIFIED BY: _____

DATE: _____

VALVE SIZE	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	*4"	5"	*6"	*8"	*10"
	MODEL No.	301	301 1/4	301 1/2	302	302 1/2	303	304	305	306	308
125 LB. CLASS											
A	2 3/4	3 1/8	3 5/8	4 1/4	5	5 3/4	7	8 3/8	9 3/4	13 3/8	16
B	2 1/16	2 1/16	2 3/8	2 5/8	2 7/8	3 1/8	4	4 5/8	5 1/2	6 1/2	8 1/4
X	1 1/4	1 1/2	1 13/16	2 3/8	2 7/8	3 3/8	4 3/4	5 1/2	6 1/2	8 1/2	10 1/2
Y	1/16	0	3/32	0	0	1/16	1/16	1/2	7/8	1 7/8	3 1/16
250 LB. CLASS											
VALVE SIZE	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	*4"	5"	*6"	8"	10"
MODEL No.	301	301 1/4	301 1/2	302	302 1/2	303	304	305	306	358	360
A	2 3/4	3 1/8	3 5/8	4 1/4	5	5 3/4	7	8 3/8	9 3/4	13 3/8	16
B	2 1/16	2 1/16	2 3/8	2 5/8	2 7/8	3 1/8	4	4 5/8	5 1/2	6 1/2	8 1/4
X	1 1/4	1 1/2	1 13/16	2 3/8	2 7/8	3 3/8	4 3/4	5 1/2	6 1/2	8 1/2	10 1/2
Y	1/16	0	3/32	0	0	1/16	1/16	1/2	7/8	1 7/8	3 1/16

DATE
09-01-03

APCO *Willamette*
VALVE AND PRIMER CORPORATION

DRWG. NO.
S-300

SPECIFICATIONS OTHER SIDE



SPECIFICATIONS

SERIES 300 WAFER STYLE SILENT CHECK VALVE

Wafer Style Silent Check Valve shall be designed with 3% greater flow area than standard wall schedule 40 pipe to reduce head loss. The manufacturer must provide certified test curves to verify head loss.

The Body shall be cast iron, Seat and Plug bronze for high strength. The valve Plug must have a central shaft - guided at each end - spring loaded to guarantee silent shut-off operation.

The Seat and Plug shall be hand replaceable in the field for easy maintenance. The seating surfaces shall be metal to metal or resilient (Buna-N) to metal. Engineer to specify.

The Spring must be T316 stainless steel. The spring shall be helical or conical in form.

All materials of construction shall be certified in writing to conform to A.S.T.M. specifications as follows:

Body	Cast iron	ASTM A126 Gr. B
Seat & plug	Bronze	ASTM 584
Seat w/ Buna-N seal	Bronze	Buna-N
Spring	Stainless steel	ASTM A313 T316
Exterior Paint	Universal Primer	FDA Approved for Potable Water

Valve to be APCO Series 300 - 1" thru 10" Silent Check Valves. FACTORY MUTUAL Tested and Approved - 125# - 4", 6", 8", 10". 250# - 4" and 6" as manufactured by Valve & Primer Corporation, Schaumburg, Illinois, U.S.A.