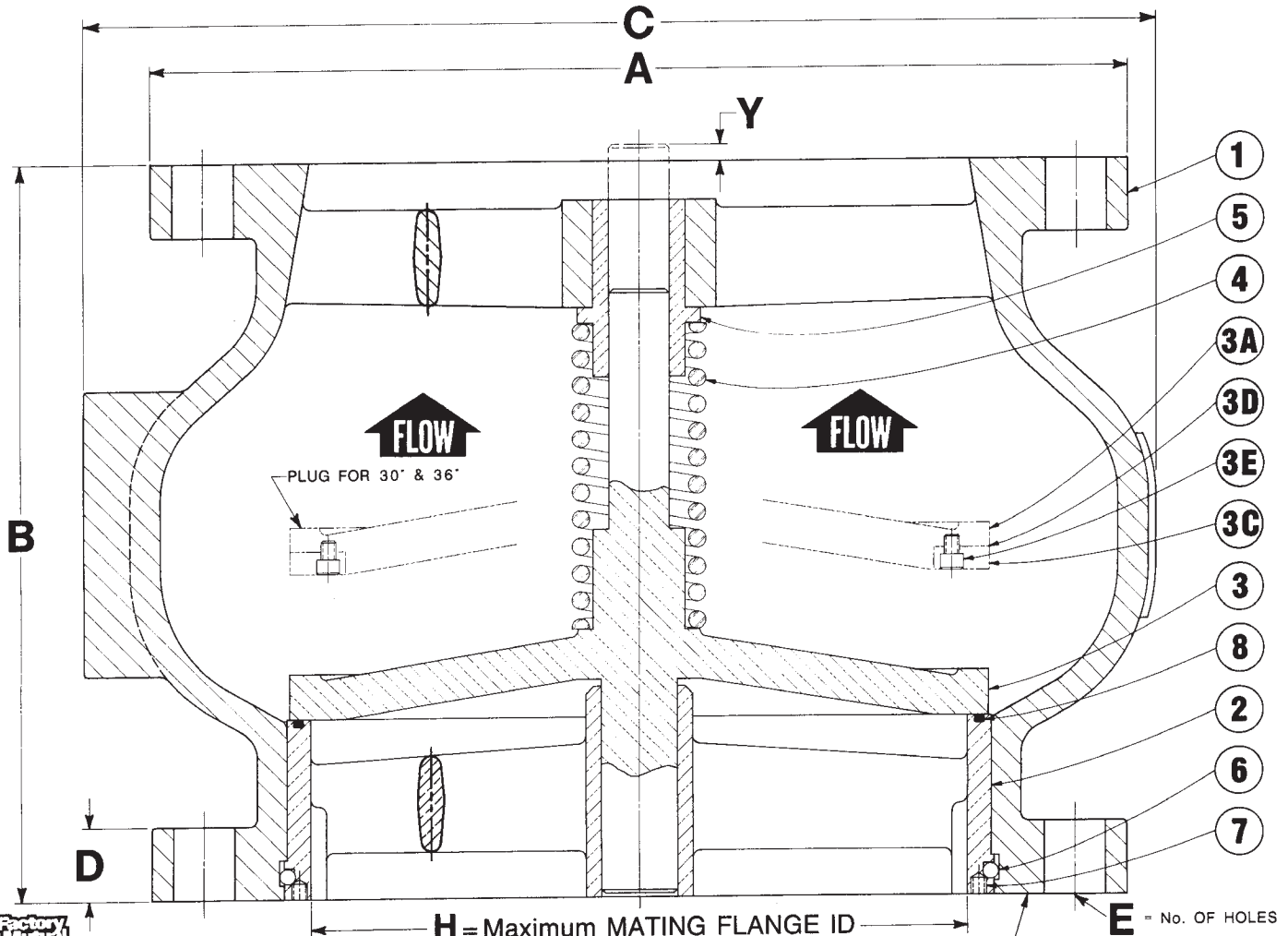


SILENT CHECK VALVE - GLOBE STYLE



Factory Mutual System
★ APPROVED

USE ONLY
FLAT FACE FLANGE
AND
FULL FACE GASKET

E = No. OF HOLES
F = DIA. OF HOLES
G = DIA. OF B. C.

VALVE SIZE	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"	42"
MODEL No.	603	604	605	606	608	610	612	614	616	618	620	624	630	636	642
A	7 1/2	9	10	11	13 1/2	16	19	21	23 1/2	25	27 1/2	32	38 3/4	46	53
B	6	7 1/4	8 1/2	9	10 1/8	12	14 3/8	15 3/4	17 3/8	18 3/4	20 3/8	24	29 1/4	45	50
C	6 1/16	7 5/8	9 3/8	10 7/8	13 1/16	17 1/2	20 3/16	22 5/16	25 1/2	27 1/4	31 1/4	37 3/8	45 1/8	53 3/8	60
D	1 1/8	1 1/4	1 1/2	1 5/8	1 3/4	1 7/8	2 1/8	2 1/4	2 3/8	2 1/2	2 7/8	3 1/4	3 3/4	4 1/4	5 1/4
E	4	8	8	8	8	12	12	12	16	16	20	20	28	32	36
F	3/4	3/4	7/8	7/8	7/8	1	1	1 1/8	1 1/8	1 1/4	1 1/4	1 3/8	1 3/8	1 3/4	1 3/4
G	6	7 1/2	8 1/2	9 1/2	11 1/4	14 1/4	17	19 1/2	21 1/4	22 3/4	25	29 1/2	36	42 3/4	49 1/2
H	3 3/8	4 3/4	5 1/2	6 1/2	8 1/2	10 3/4	12 5/8	14 3/4	16 1/2	16 3/4	20 3/8	24 3/4	29 1/2	36	42

MODEL No.	653	654	655	656	658	660	662	664	666	668	670	674	680	686	692
A	8 1/4	10	11	12 1/2	15	17 1/2	20 1/2	23	25 1/2	28	30 1/2	36	43	50	57
B	6	7 1/4	8 1/2	9	10 1/8	12	14 3/8	15 3/4	17 3/8	18 3/4	20 3/8	24	29 1/4	45	50
C	6 1/16	7 5/8	9 3/8	10 7/8	13 1/16	17 1/2	20 3/16	22 5/16	25 1/2	27 1/4	31 1/4	37 3/8	45 1/8	53 3/8	60
D	1 1/8	1 1/4	1 1/2	1 5/8	1 3/4	1 7/8	2	2 1/8	2 1/4	2 3/8	2 1/2	2 7/8	3	3 3/8	3 11/16
E	8	8	8	12	12	16	16	20	20	24	24	24	28	32	36
F	7/8	7/8	7/8	7/8	1	1 1/8	1 1/4	1 1/4	1 3/8	1 3/8	1 3/8	1 3/8	1 3/8	2 1/4	2 1/4
G	6 5/8	7 5/8	9 1/4	10 5/8	13	15 1/4	17 3/4	20 1/4	22 1/2	24 3/4	27	32	39 1/4	46	52 3/4
H	3 3/8	4 3/4	5 1/2	6 1/2	8 1/2	10 3/4	12 5/8	14 3/4	16 1/2	16 3/4	20 3/8	24 3/4	29 1/2	36	42

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)
FOR 30" & 36"		
3A	PLUG	DUCTILE IRON ASTM A536 65-45-12
3C	PLUG RING	BRONZE ASTM 584
3D	GASKET	LEXIDE
3E	PLUG RING SCREW	STAINLESS STEEL 18-8

CERTIFIED BY: _____
DATE: _____

DATE
09-01-03



DRWG. NO.
S-600

SPECIFICATIONS OTHER SIDE



SPECIFICATIONS

SERIES 600 GLOBE STYLE SILENT CHECK VALVE

Globe Style Silent Check Valves shall be designed with 10% 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 - and be spring loaded to guarantee silent shut-off operation.

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

The Spring must be T316 with the ends ground flat for true perpendicular closing force and the spring coils must be stone tumbled smooth to resist build-up or corrosion and increase the life of the spring. The spring shall be helical or conical in form.

All materials of construction shall 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

Note: Other materials available.

Valve to be APCO Series 600 - 3" thru 42" Silent Check Valves, FACTORY MUTUAL Tested and Approved - sizes 4", 6", 8", 12" and 18" (125 lb./150 lb. Class) as manufactured by Valve & Primer Corporation, Schaumburg, Illinois, U.S.A.