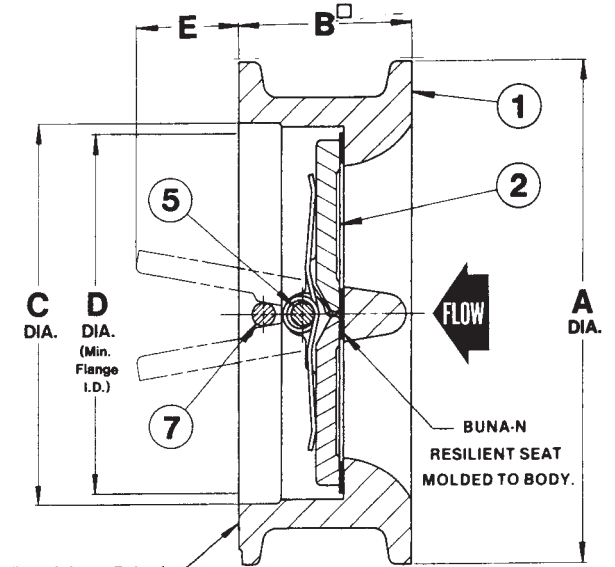
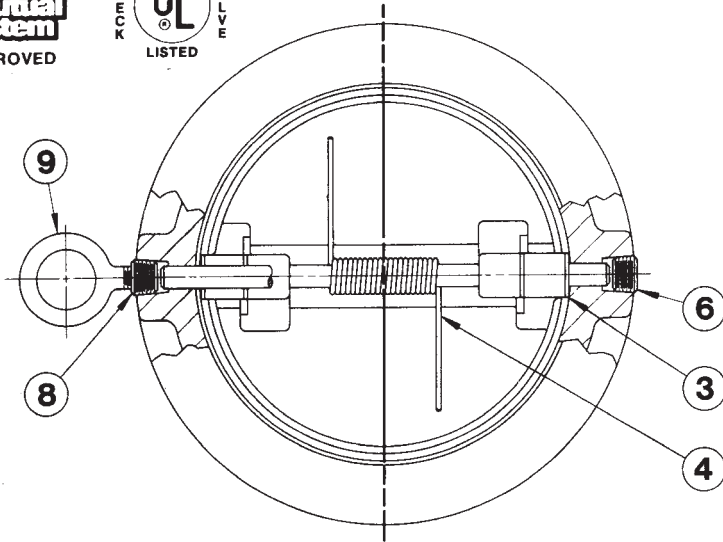


# DOUBLE DOOR CHECK VALVE

**Factory Mutual System**  
\* APPROVED

KOMIC  
**UL**  
LISTED  
VALVE



Ring Joint or Raised Face Flange available with Steel Bodies at additional cost.

VALVE SHOULD BE INSTALLED WITH THE HINGE PIN IN THE VERTICAL POSITION FOR HORIZONTAL FLOW APPLICATIONS.

Item	Description	Material
1	Body	Cast Iron ASTM A126 Class B <sup>1</sup>
2	Door	Al. Bronze ASTM B148-ALLOY 952
3	Door Lug Bearing	Teflon / Phenolic
4	Spring	Stainless Steel type 316
5	Hinge Pin	Stainless Steel type 316
6	Hinge Pin Retainer	Steel
7	Stop Pin	Stainless Steel type 316
8	Stop Pin Retainer	Steel
9	Lifting Eye Bolt <sup>2</sup>	Steel

□ Laying lengths for ductile iron and bronze bodies are same as 125 lb. and 250 lb. class valves.

<sup>1</sup>150 lb. & 300 lb. valves have Cast Steel ASTM A216 WCB Bodies.  
<sup>2</sup>Sizes 30" & larger have Bronze Faced Ductile Iron ASTM A536 Gr. 65-45-12 Doors.  
<sup>3</sup>Sizes 5" & larger have a Lifting Eye Bolt.

Size	Class	A	B	C	D	E	WT.	Size	Class	A	B	C	D	E	WT.	Size	Class	A	B	C	D	E	WT.	
2"	125	4	2 1/8	2 1/8	1 7/8	3/8	5	★	250-300	8 3/8	3 3/4	5 9/16	5	1 1/4	33	18"	125-150	21 1/2	8	18	17	4 7/8	300	
	150	4	2 3/8	2 1/8	1	0	6		125	8 3/8	3 3/4	6 3/8	6	1 1/2	20		250-300	23 3/8	10 3/8	18	16	2 1/2	665	
	250	4 1/4	2 1/8	2 1/8	1 7/8	3/8	8		6"	150	8 3/8	3 7/8	6 3/8	5 7/8	1 1/8		22	125	23 3/4	8 3/8	20	18	6 3/4	325
	300	4 1/4	2 3/8	2 1/8	1	0	8			250	9 3/4	3 3/4	6 3/8	6	1 1/2		40	150	23 3/4	8 3/8	20	18	6 1/2	490
2 1/2"	125	4 3/4	2 3/8	3 1/8	2 3/8	3/8	8	★●	300	9 3/4	3 7/8	6 3/8	5 7/8	1 3/8	44	20"	250	25 3/8	11 1/2	20	17	3 3/8	450	
	150	4 3/4	2 3/8	3 1/8	2	1/4	9		125-150	10 7/8	5	8 3/4	7 3/4	1 1/2	52		300	25 3/8	11 1/2	20	17	3 3/8	800	
	250	5	2 3/8	3 1/8	2 3/8	3/8	11		250-300	12	5	8 3/4	7 3/4	1 1/2	70		24"	125-150	28 1/8	8 3/4	24	22 3/8	8 3/8	700
	300	5	2 3/8	3 1/8	2	1/4	12		125	13 3/4	5 1/2	10 3/4	10	2 3/8	63			250-300	30 3/8	12 1/2	24	21	5 1/8	1135
3"	125	5 1/4	2 3/8	3 1/2	3	1/2	10	★●	150	13 3/4	5 3/4	10 3/4	9 3/4	2 3/8	100	30"	125-150	34 3/8	12	30	28 3/8	11 1/8	1100	
	150	5 1/4	2 3/8	3 1/2	2 3/4	1/4	11		250	14 1/8	5 1/2	10 3/4	10	2 3/8	110		250-300	37 1/4	14 1/2	30	27 3/8	8 3/8	1400	
	250	5 3/4	2 3/8	3 1/2	3	1/2	15		300	14 1/8	5 3/4	10 3/4	9 3/4	2 3/8	115		125-150	41 1/8	14 1/2	36	34	12 3/8	1520	
	300	5 3/4	2 3/8	3 1/2	2 3/4	1/4	16		★●	125-150	16	7 1/8	12 3/4	10 7/8	2 3/8		150	250-300	43 3/4	18 3/8	36	33	8	1900
★	125	6 3/4	2 3/8	4 1/2	4 3/8	1 1/8	12	★●	250-300	16 1/2	7 1/8	12 3/4	10 7/8	2 3/8	220	42"	125-150	47 7/8	17	42	40 3/8	15 1/8	3000	
	150	6 3/4	2 3/8	4 1/2	4	7/8	14		125-150	17 3/8	7 1/4	14	13	3 1/2	220		250-300	50 3/8	22 3/8	42	39	9 3/4	3500	
	250	7	2 3/8	4 1/2	4 3/8	1 1/8	20		250-300	19	8 3/4	14	12	2	440		48"	125-150	54 3/8	20 3/8	48	46 3/8	16 3/8	4500
	300	7	2 3/8	4 1/2	4	7/8	22		125-150	20 1/8	7 1/2	16	15	4 1/4	275			250-300	58 3/8	24 3/4	48	45 3/8	12 3/4	5500
5"	125-150	7 3/8	3 1/4	5 9/16	5	1 1/4	16	★●	250-300	21 1/2	9 1/8	16	14	2 3/8	550	54"	125-150	60 7/8	21 1/4	54	52 7/8	19 3/8	6700	
																	60"	125	67 1/4	25	59 1/2	50	16	7500

★ FM - VALVES ARE FACTORY MUTUAL APPROVED (125 & 250 LB.).  
 ● THIS SIZE VALVE UNDERWRITERS LABORATORIES LISTED (125 LB.)  
 NOTE: TWO OR MORE SPRINGS USED ON SIZES 14" & LARGER.

CERTIFIED BY: \_\_\_\_\_

DATE: \_\_\_\_\_

DATE  
09-01-03

**APCO** *Willamette*  
VALVE AND PRIMER CORPORATION

DRWG. NO.  
S-9000

SPECIFICATIONS OTHER SIDE

# APCO<sup>®</sup> SPECIFICATIONS

## SERIES 9000 DOUBLE DOOR CHECK VALVE

The Double Door Check Valve shall be compact Wafer design to fit between ANSI flanges.

The Check Valve doors shall be spring loaded, normally closed, by means of one or more heavy duty stainless steel torsion springs. Flow from the pump shall cause the doors to open and upon pump shut-down the torsion spring will shut the doors before reverse flow starts and at a point of zero velocity, for non-slam closure.

Seating shall be resilient and water tight. The seat shall be Buna-N molded to the body.

Valves 5" and larger shall be fitted with a lifting eye bolt for installation purposes.

Valve exterior to be painted with Universal Primer Paint as accepted by the FDA for use in contact with Potable Water.

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

Body	select one	Ductile iron	ASTM A536
		Cast steel	ASTM A216 WCB
		Cast iron	ASTM 126, Class B
Doors	select one	Ductile iron	ASTM A536
		w/Al. bronze facing	ASTM B148, Alloy 952
		Cast steel	ASTM A216 WCB
		Aluminum bronze	ASTM B148, Alloy 952
Sealing element		Buna-N	
Torsion spring		Stainless steel	T316
Hinge shaft		Stainless steel	T316
Stop shaft		Stainless steel	T316

Other materials also available.



Valve to be Series 9000 Double Door Check Valve, FACTORY MUTUAL Approved sizes 4", 6", 8", 10" and 12" and valve sizes 8", 10" and 12" are Underwriters Laboratories Listed, as manufactured by Valve & Primer Corp., Schaumburg, Illinois, U.S.A.