

# Swing Check Valve

# Model 90CS



Sizes 2" thru 30" / 50mm thru 750mm

## Written Specifications:

CHECK VALVES SHALL BE OF SWING TYPE & SHALL MEET THE MATERIAL REQUIREMENTS OF AWWA SPECIFICATION C508. THE VALVE SHALL CONTAIN THE FOLLOWING: IRON BODY (PRIMER COATED)

SINGLE BRONZE MOUNTED GATE FOR NON-SHOCK  
WORKING PRESSURE OF 175 PSI FOR 2" THRU 12" SIZES,  
AND 150 PSI FOR 14" THRU 30" SIZES  
HYDROSTATIC TESTING OF DOUBLE THE WORKING PRESSURE  
FOR ALL SIZES.

THE SEAT RING (RENEWABLE) SHALL BE BRONZE; THE GATE RING (DISC RING) SHALL BE BRONZE OR BUNA-N AND THE ENDS SHALL BE FLANGED ANSI CLASS 125#

THE VALVE SHALL BE SO CONSTRUCTED THAT BY SIMPLY UNBOLTING AND LIFTING OFF THE COVER, THE INTERNAL WORKING PARTS MAY EASILY BE REMOVED AND REPLACED WITHOUT REMOVING THE VALVE FROM THE LINE. THE VALVE SHALL BE FURNISHED WITH A OUTSIDE LEVER AND WEIGHT, SEALED END AIR CYLINDER FOR CUSHIONED CLOSURE AND AN ADJUSTABLE REGULATING VALVE TO CONTROL RELEASE OF COMPRESSED AIR. THE AIR CUSHIONED CYLINDER, WHEN USED IN CONJUNCTION WITH THE LEVER WEIGHT, SHALL PERMIT RAPID CLOSURE OVER APPROXIMATELY 90% OF ITS STROKE WITH A CUSHIONED, NON-SLAM OPERATION, THE WEIGH, THE AIR EXHAUST NEEDLE VALVE, AND THE ADJUSTING SLEEVE SHALL BE FIELD ADJUSTABLE.

THE VALVE SHALL PERMIT FLOW IN ONE DIRECTION ONLY; BE TIGHT SEATING WHEN THE OUTLET PRESSURE EXCEEDS THE INLET PRESSURE AND BE SUITABLE FOR MOUNTING IN HORIZONTAL OR VERTICAL LINES.

THE VALVE SHALL HAVE A STAINLESS STEEL SHAFT (HINGE PIN) SUPPORTED BY BRONZE BEARING AND SEALED BY AN ADJUSTABLE PACKING GLAND WITH A COMPRESSION TYPE PACKING.

THE VALVE SHALL BE EQUAL IN ALL RESPECTS TO THE MODEL 90CS AS MANUFACTURED BY THE FLOMATIC CORPORATION.

## Swing Check Valve Ordering Information

**Quantity:**

**Size: 2" thru 30" / 50mm thru 750mm**

**Type: 90CS or 92CS**

**Connection Type: Flange 125#**

**Gate Ring: Bronze or Buna-n**

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