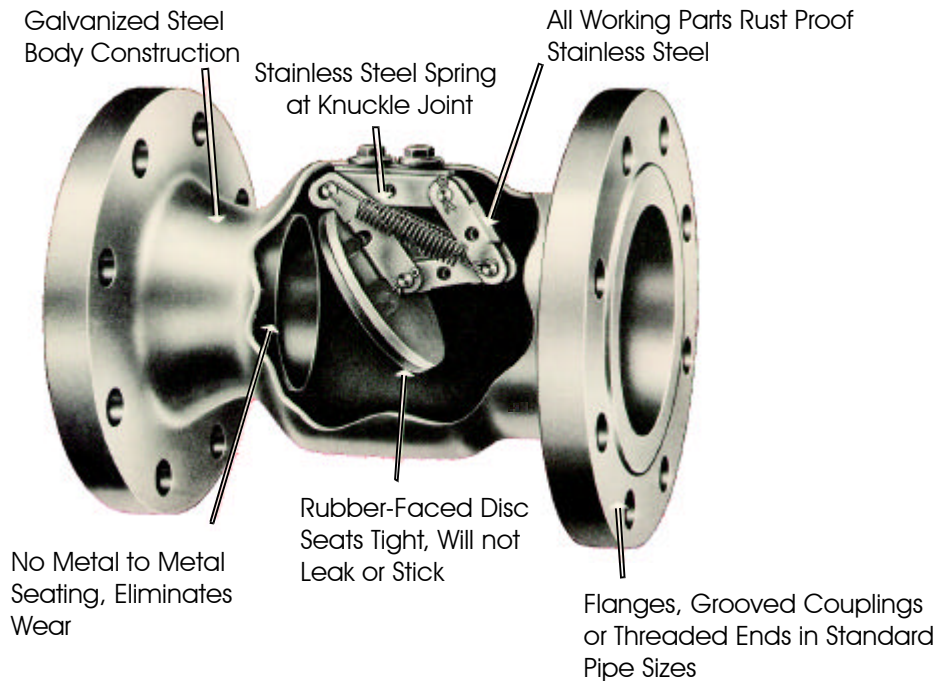


SPECIFICATION SHEET

SPRING LOADED CHECK VALVE

AMES
CO.
FLUID CONTROL SYSTEMS



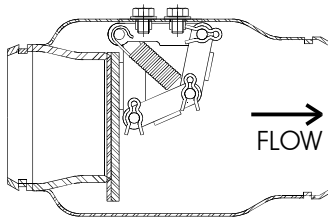
■ FEATURES

- " Minimal Resistance to Flow
- " No Noisy Hammering
- " Positive-Sealing Flapper
- " Operates in Any Position
- " Low Cost
- " Sturdy Construction
- " Replaceable Shut-Off Disk (Flange Models Only)

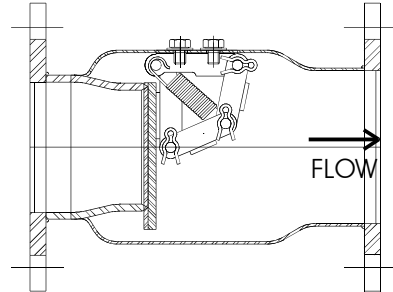
■ DESCRIPTION

The Ames Spring Loaded Check Valve is loaded to the closed position, and can be installed in any position. Incoming flow pushes the shut-off disk to the open position against spring tension. As flow increases, the spring tension is reduced by the unique knuckle joint mechanism that keeps the shut-off disk positioned to close immediately upon cessation of flow, yet creates only minimal pressure drop through the valve. The immediate spring-loaded closure when flow stops reduces water hammer and helps to prevent equipment and pipeline damage.

SPRING / SWING CHECK



SPRING CHECK WITH
GROOVED CONNECTION
ON INLET/OUTLET



SPRING CHECK WITH
FLANGE ENDS

SPECIAL INLETS/OUTLETS

Flanged ends are Standard
Threaded, grooved end for clamp type coupling, or flame cut flanges are optional.

FLOW RATE / PRESSURE DROP

When installed in a pipe of the same size, the pressure drop throughout the valve at standard pipeline flows does not exceed 2 PSI.

MATERIAL SPECIFICATIONS

	Standard
Body	Steel body meets ASTM A-36 and AWWA C-200
Coating	Galvanized with optional Fusion Bonded Epoxy coating to AWWA C-213
Shut-off Disk	Buna-N
Flanges	Bolt hole patterns conforming to AWWA C-207

DIMENSIONS

Size	Length	Diameter (with Flanges)	Weight
3"	7 3/4"	7 1/2"	16 lbs.
4"	10 3/16"	9"	23 lbs.
5"	11 7/8"	10"	27 lbs.
6"	10 7/8"	11"	33 lbs.
8"	14"	13 1/2"	49 lbs.
10"	16 3/8"	16"	76 lbs.

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