

SPECIFICATIONS FOR SLOW CLOSE

ALL PATENTED SLOW CLOSE BUTTERBALL VALVES...

- provide slow opening and closing properties in a quarter-turn valve. The purpose is to eliminate hydraulic shock and water hammer in fire protection and other liquid systems.
- are available with or without an internal, pre-wired supervisory tamper switch assembly. When mounted on any slow-close valve and wired, the switches signal movement of the valve disc from the full open position.
- are available factory mounted to a valve or as a kit for field installation on previously installed valves.
- have switch ratings of:
 - 10 Amps/115 VAC-60 Hz
 - 0.5 Amps/28 VDC
- are equipped with tamper switch assemblies FOR INDOOR USE ONLY.
- have UL/FM ratings to 175 psi. (Also available at 350 psi and 500 psi with N.Y.C.B.S.A. approval.)

Approved by the New York City Board of Stds. & Appeals under Calendar No. 996-81 -SM, for 175 psi and Calendar number 720-83-SA for 350 psi and 500 psi. (500 psi rated valves not shown.)

INSTALLATION

- A. The BBSC can be installed in any orientation in a piping system using standard National Pipe Threads. Wrench should be used to hex on the end of valve being threaded to pipe. Pipe sealants should be used sparingly.
- B. The valves with internal switches can be easily wired in the field. They will have two switches, switch-1 will have dual leads on the terminals. This switch is to be connected to the **supervisory** circuit of a Listed alarm control panel. Switch-2 will have single leads and may be connected to **auxiliary** equipment per direction of the local authority having jurisdiction. Cap any unused wire leads with wire nuts and tuck into junction box. All connections shall be reviewed and approved by the local authority having jurisdiction.
- C. A 14 gage green wire has been fastened to the interior of the housing and is to be used as a housing ground.
- D. Recommended type of wire to be used is No.16 Dual Rated UL 300V 80 C and 300V 105 C.
- E. Installation must be in compliance with NFPA 72 and 13, or bonded and grounded per Canadian Electrical Code Part 1.
- F. The BB-SC, BBHSC (threaded-end) and BBVSC, BVHSC (grooved-end) valves are intended for use with schedule 40 and/or 80 pipe, sizes 1", 1-1/4", 1-1/2", 2" and 2-1/2" per ANSI B36.10.

INSTALLATION FOR NEW YORK CITY VALVES

N.Y.C. special valves have a large flow indicator which points in the direction of the valve disc, indicating open or closed. The valve should be installed in a position where the indicator is readily visible.

MODEL	DESCRIPTION	SIZES
BB-SC100 BB-SCS02	Valve Less Switch Valve With Switch	175 psi - Threaded Ends NYC BSA Approved
BBVSC100 BBVSCS02	Valve Less Switch Valve With Switch	175 psi - Grooved Ends NYC BSA Approved
BBHSC100 BBHSCS02	Valve Less Switch Valve With Switch	350 psi - Threaded Ends NYC BSA Approved
BVHSC100 BVHSCS02	Valve Less Switch Valve With Switch	350 psi - Grooved Ends NYC BSA Approved