

Flex-Valve®

Folded-Bill Check Valve

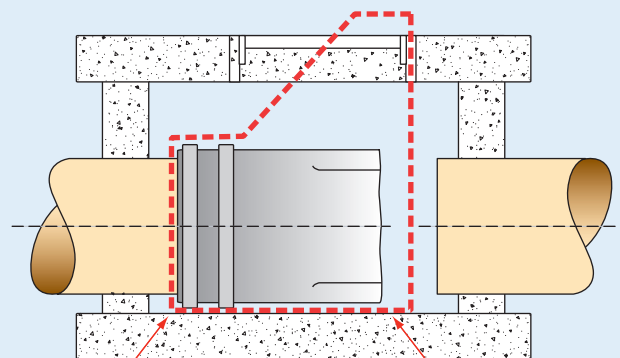
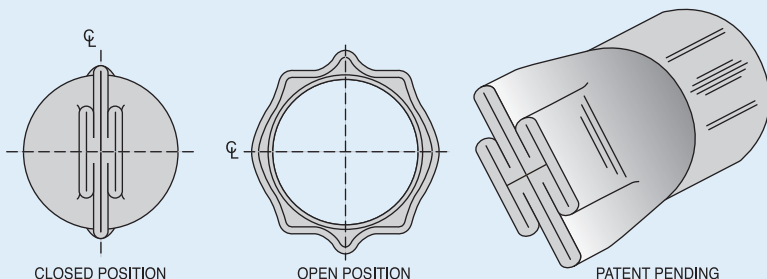
Style 4500

Features:

- Minimum clearance required in all directions
- Bill width measures a little more than the pipe O.D. making both the top and bottom "FLAT"
- Ideal for manhole and vault installations
- Innovative Folded-Bill, unfolds to full port area with a minimum pressure drop
- Eliminates backflow and seals around entrapped solid
- Rugged all elastomer construction in a variety of materials
- Maintenance-free operation with no mechanical components that can corrode or seize
- Will open with as little as 1" W.C.
- Quiet operation (non-slamming)
- Non-plugging
- Excellent corrosion and abrasion resistance
- Available in slip-on or flanged design

Typical Applications:

The innovative and compact Flex-Valve style 4500 Folded-Bill check valve functions and operates under the same principle as our standard duck bill check valve without the large bill width. The integral reinforcement in the bill area is folded over itself providing a minimized bill width that measures little more than the pipe O.D. These same folds open easily for full flow with a minimum pressure drop. The smaller bill width will seal better and resist gapping. The compact design makes it ideal for retrofitting of existing interceptors, manholes and vaults. The improved bottom clearance is obtained without sacrificing top clearance. It has been found that space is always tight in all directions, and this is why the Flex-Valve style 4500 is ideal for both retrofitting and new construction applications.



ALTERNATIVE DESIGN, DASHED IN RED, ILLUSTRATES THAT IMPROVED BOTTOM CLEARANCE IS OBTAINED WHEN TOP CLEARANCE IS SACRIFICED.