BACKWATER VALVES TECHNICAL DATA AND PIT STYLE BACKWATER VALVES

SMITH®
CUSTOMER DRIVEN

PROTECTION AGAINST BACKWATER SURGES

•EXCESSIVE RAINFALL •TIDEWATER CONDITIONS •INADEQUATE CAPACITY

NOTE: These conditions can cause damaging backflow flooding into basements and low areas, as well as damaging merchandise and equipment backflow can even undermine the building construction. Another important threat is the health hazard created by contaminated waste water. Avoid the inconveniences – install SMITH Backwater Valves which offer protection against backwater surges. Backflow is prevented when valve is not obstructed by debris or sludge. Use for gravity flow only, not for pressurized applications.

Extension To Finished Floor Level - Where it is necessary to extend the valve access cover to finished floor level, the Smith 7022 should be specified. The extension is made by using soil pipe cut to the desired length.

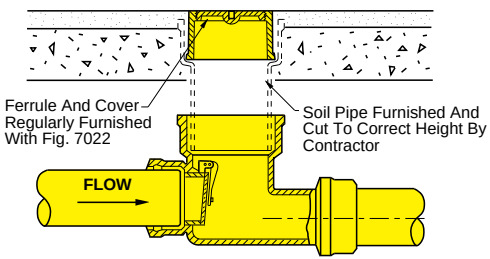


Fig. 7022

Installation At Sewer Line Terminals - The Fig. 7070 terminal valve provides back-water protection at the terminal where storm or sanitary sewers discharge into catch basins, manholes or drainage lagoons.

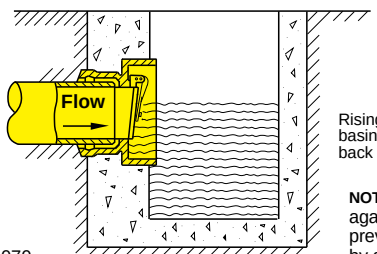


Fig. 7070

NOTE: These valves offer protection against backwater surges. Backflow is prevented when valve is not obstructed by debris or sludge. Use for gravity flow only, not for pressurized applications.

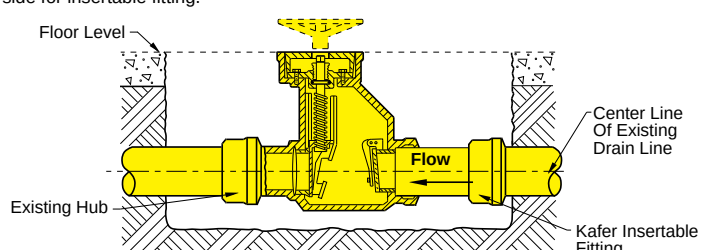
IN-LINE MANUAL SHUT-OFF GATE VALVE

Fig. 7150 Series

Fig. 7150 In-line Manual Shut-Off Backwater Valve may be installed in new or existing sewer lines. Smith Engineers, realizing that most installations are made in existing lines where line pitch is already established, have designed an "In-Line" type manual shut-off valve. There is no drop in elevation from inlet to outlet, permitting the valve to be inserted in an existing line without significantly disturbing the pitch. The "In-Line" feature is particularly useful where existing sewer line pitch is at a minimum.

NOTE: During periods when manual shut-off valve is closed, use of building plumbing fixtures and drains must be avoided.

Cut made long enough to expose hub on outlet side, and with enough space on inlet side for insertable fitting.



INSTALLATION IN EXISTING SEWER LINE