

17) Valve Boxes

MDPE valve boxes without pipe portals shall be supplied, with overlay style lockable lids with stainless steel locking bolts. Valve boxes shall have minimum dimensions in accordance with the following models:

Model 1419-12: to be fitted to all solenoid valves, flushing valves and air release valves.

Model 910: to house all isolation valves.

Model 1420: to house other equipment as specified on the project drawing.

Carson Brooks, Rainbird VB series or HR Products valve boxes that meet the specification are acceptable. The valve box lid shall clearly identify the box as being either Carson Brooks, Rainbird or HR Products.

18) Isolation Valves

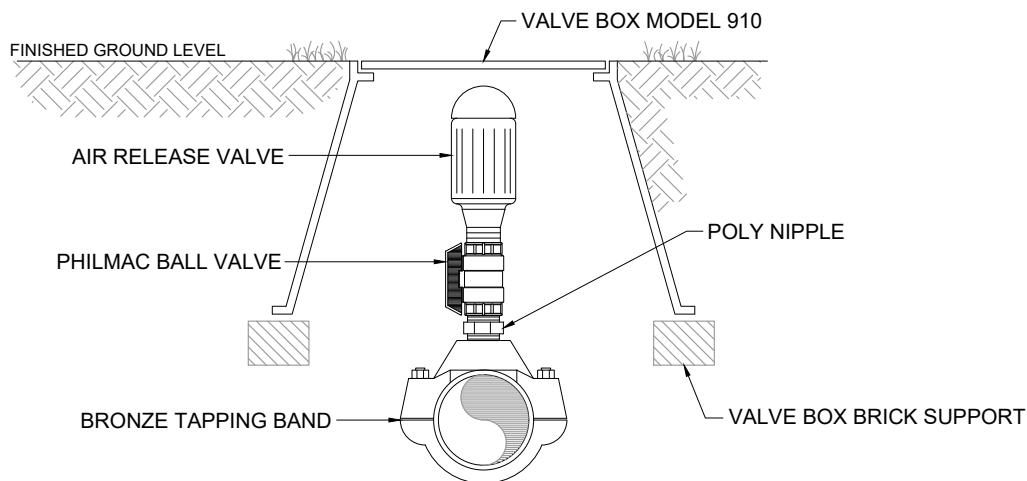
Isolation ball valves installed on the inlet to solenoid control valves and on mainline up to 50mm diameter shall be Philmac nylon ball valves or approved equivalent.

Isolation valves installed on the PVC mainline, 80mm or greater, are to be flanged ductile iron resilient seated valve with spindle cap. Valves shall be 'clockwise turning' to close and the top of the spindle cap shall have an embossed arrow indicating the direction to turn for closing.

Isolation valves shall be installed at junctions of mainlines where shown on the project drawings. The price for supply and installation of isolation valves shall include gaskets, nuts & bolts. Access to valve assemblies located below the bottom of valve boxes shall be provided by the installation of a short piece of PVC 'Ribloc' pipe or equivalent.

19) Air Valves

Air/Vacuum release valves shall be Bermad, ARI or Nelson sized as specified on the project drawing. An isolation ball is to be located immediately beneath the air valve and the ball valve shall be left in the open position.



AIR RELEASE VALVE