1.2.8.5 Air Release Valves

A. Air release valves shall be the "one floating ball" type for sewerage installations. The body shall be metallic complying with relevant BS EN and ANSI standards. The floating ball, seat rings, nozzles and connecting bolts shall be made of stainless steel or ABS plastic. Plastics used for seals, ball guides etc. shall be resistant to sewage and gases generated under the temperatures specified. To prevent sedimentation of solids the bottom part of the valve's body, connected to the gate valve, shall be funnel shaped. Valves shall be designed to prevent clogging of the floating mechanism and to allow the escape, and admission of air respectively to the pipe system. Air release valve shall be combined with gate valves to allow dismantling of air valve whilst the system is in operation.

B. Valves shall be internally and externally protected with minimum 300 microns thick fusion bonded epoxy complying with EN 14901 or shall be internally and externally protected with enamel coating as per DIN 51178

1.2.8.6 Testing

A. Testing of the valves shall be in accordance with BS EN 12266.

1.2.9 Dismantling/ Adapter Pieces

Dismantling Joints

Sizes up to DN300

- Flange drilling shall be accordance with BS EN 1092.
- Body and end rings shall be Ductile Iron to BS EN 1563, Symbol EN-GJS-450-10 or any other approved superior material.
- For flange spigot, flange shall be steel to BS EN 10025 Grade 275 and Spigot up to and including 165.1mm shall be steel to BSI0225:2004 and over 165.1mm steel to BSI0216-1
- Gaskets shall be accordance with BS-EN 681-1
- The nuts, bolts, studs, tie rods and washers shall be stainless steel to BS EN3506-1Grade A2/A4 or any other higher grade of stainless steel.

Sizes above DN300

- Flange drilling shall be accordance with BS EN 1092.