

Swing Check Valves - Landfill

1.0 Scope:

All requirements are for PVC Swing Check Valves and accessories, applicable to installations in Landfill Applications

2.0 Materials:

HI-PVC (Hi Impact) Conforming to ASTM D1784 Cell Classification 12454A

IZOD Impact strength rating of 10 – 15 Kilojoule/M²

FKM – Viton® Fluorocarbon Rubber

EPDM – Ethylene Propylene Diene Terpolymer Rubber

3.0 Valves:

Swing Check Valves shall be PVC body with FKM or EPDM seals and shall incorporate a single disc design suitable for horizontal or vertical applications. Valves shall have a top entry bonnet for maintenance purposes. Valves shall be flat faced flanged end type conforming to ANSI B16.5 bolt pattern for 150 lb flanges.

3.1 Valves shall be provided by Asahi/America, Inc. of Lawrence, MA with no approved equals. Manufacturer must be ISO-9001 certified.

3.2 Valves shall have a pressure rating of:

- 150 psi at 70° F sizes 3/4" – 3"
- 100 psi at 70° F sizes 4" - 6"
- 70 psi at 70° F size 8"

4.0 Accessories:

External SS spring or External Lever & Weight option shall be designed, built and installed by Asahi/America, Inc.

5.0 Installation Procedures:

All valve joints shall be prepared using flanged connections. The bolt diameters and torque values should be in accordance with the requirements put forth in the Swing Check Valve Operation & Maintenance manual. All accessories should be installed in accordance with the manufacturer's requirements as well as any facility requirements.