

# Constant Flow Valves

## 1.0 Scope:

All requirements are for PVC Constant Flow Valves.

## 2.0 Materials:

U-PVC – Conforming to ASTM D1784 Cell Classification 12454 A

EPDM – Ethylene Propylene Diene Terpolymer Rubber

FKM – Viton® Fluorocarbon Rubber

ECTFE – Ethylene/Chlorotrifluoroethylene

## 3.0 Valves:

All Constant Flow Valves shall be of solid thermoplastic flanged body construction. 1/2" – 3/4" shall be inline design while 1" – 4" shall be Y type design. All Constant Flow valves shall have a calibrated flow dial and position indicator. Valve accuracy shall be +/- 6% of full scale. Internal valve spring shall be 304 SS with ECTFE coating.

## 3.1 Operators

Handwheel operator Asahi Standard valve handle Red color.

## 3.2 Approved Manufacturer

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

## 3.3 Pressure Vs. Temperature

Valves shall have a pressure rating of: 150 psi at 70° F all sizes

## 4.0 Accessories:

### 4.1 Actuation

There is no actuation available for the Constant Flow Valves.

## 5.0 Installation Procedures:

All valve joints shall be flanged and shall be prepared according to the instructions detailed in the Constant Flow Valve O & M manual. All accessories should be installed in accordance with the manufacturer's requirements as well as any facility requirements.