

The Duraseal valve is by design a bidirectional DIB-1 valve:

This design has inherent characteristics of trapping body cavity pressure. Because valves in liquid or condensing service can have a thermal hydraulic expansion within the trapped cavity, API 6D requires a cavity pressure relief system. The valves on the configurations permit different directionality characteristics.

These configurations relate to the operational reliefs and DBB operation. The lower body bleeds are not addressed in this document, but should be used as necessary to eliminate line solids from accumulating under the plug.

For the following configurations, the left flange (when facing the piping of an upright valve) is the upstream flange. For installations with clearance issues, a reverse DTR may be ordered which provides the right flange as the upstream flange.

The upstream flange is the flange of preferred pressure isolation. Depending upon the required isolation, the valve preferred pressure direction may not be the direction of flow. For applications where a piece of equipment is being isolated from the piping, the preferred pressure isolation will typically be the flange away from the equipment.

Extending of the Body Bleed Outlets: For convenient bleed positions, the body bleed outlets may be extended from the NPT outlet of the manual bleed valve. This shall retain the original bleed valve for interim isolation.

