

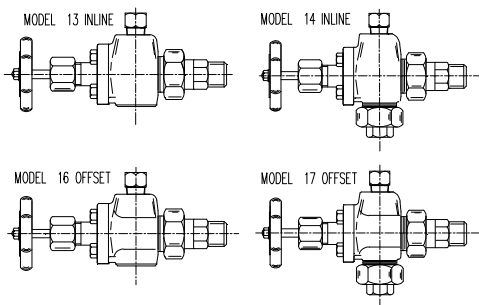
General Description

Simco isolation valves have been specifically designed for use with liquid level gauges and are available in a variety of materials suitable for temperature and pressure ranges to meet most specifications.

Valves are available in both straight and offset pattern designs with outside screw and yolk (OS&Y) or inside screw configurations and have a selection of vessel and gauge connections to fit a variety of mounting requirements.

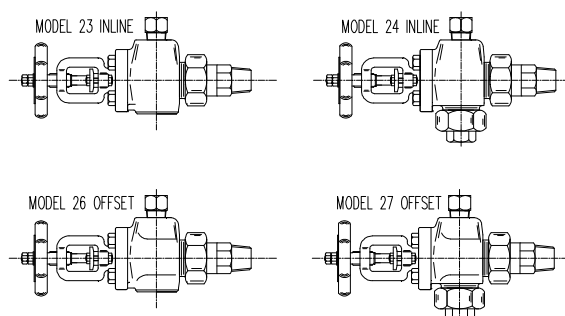
A standard feature with Simco Valves is the automatic safety ball checks. In the event of the glass breaking the ball check seats to prevent the loss of vessel contents. All valves may be repacked under pressure with the back seating arrangement ensuring complete shut off. A typical selection of valve types / arrangements can be seen below with other arrangements available on request.

Series 10 valves (Inside Screw)



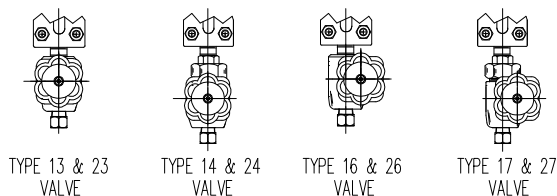
Simco series 10 valves are bolted bonnet, inside screw design and are suitable for most applications. This type of valve is normally preferred for saline atmospheres and they are available with a wide range of features in both offset and straight pattern design.

Series 20 Valves (Outside Screw & Yolk-OS&Y)



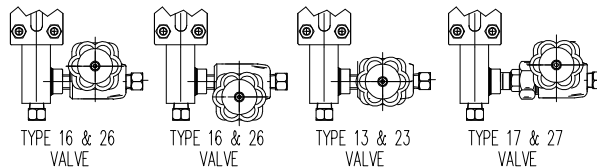
Simco series 20 valves are bolted bonnet, outside screw design and are suitable for high temperature and corrosive liquid applications. The OS&Y design isolates the spindle from the liquid and they are available with a wide range of features in both offset and straight pattern design.

End Connections



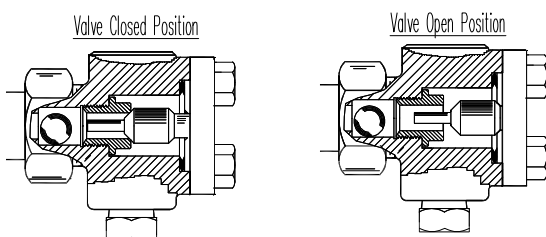
The figures above show the typical connection available when the isolation valves are threaded and the valves are located at the top/bottom of the chamber. Other connection types are available i.e. socket weld or butt weld.

Side or Back Connections



The figures above show the typical connection available when the isolation valves are threaded and the valves are located at the side of the chamber. All of the options shown above are also available when the valves are connected on the rear of the chamber. For gauges with this gauge/valve arrangement the alternative connections are limited to socket weld.

Section Drawing Showing Inside Valve



Typical Vessel Connection

Threaded - 1/2", 3/4" NPT c/w Union, Flanged - 1/2", 3/4", 1", 1.5", 2"
ANSI Class 150#, 300#, 600# & 1500# (WN or SW)

Gauge Connection

Threaded - 1/2", 3/4" NPT (Union connections avail.)

Typical Vent / Drain Connection

Threaded - 1/2", 3/4" NPT, Flanged - 1/2" & 3/4",
ANSI Class 150#. 300#, 600# & 1500#