

On Type R FUNDA filters, a discharge valve is installed at the bottom of the vessel. Various valve types could be used but Steri has found the gate valve to be the best choice. The sliding action of the gate valve allows the end of the heel pipe to be installed very close to the face of the valve. Through the heel pipe, the filter can be completely drained of fluid before the discharge valve is opened.

Automatic Discharge Valves



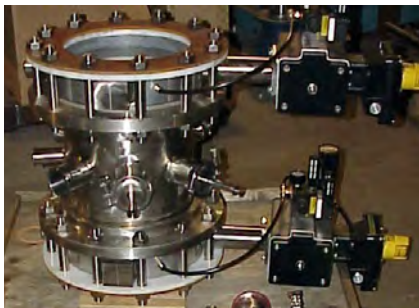
Fabri Knife Gate Valve

Steri typically installs Fabri Knife Gate valves for automatically controlled valves. These valves completely retract preventing bridging during discharge. They also feature easy to replace seals, minimizing downtime. Other types of valves, such as butterfly or Posi-flate valves, are available.



Posi-Flate Valve

Double Automatic Discharge Valves



Double Butterfly with Flushing

When handling extremely hazardous materials, a double butterfly valve can be installed. This design results in zero leakage under any condition. Two butterfly valves are installed with a spool piece between them, creating an airlock condition. The spool piece is equipped with flushing, venting and drainage ports.

Manual Discharge Valves

One pull of a handle completes the closure of the discharge valve. This hand operated locking device locks a dish in place using sliding segments that swing out as the handle is pulled. The segments engage with a groove inside the filter vessel. When the segments reach full engagement, a slightly ramped surface applies pressure to the o-ring seal. A optional proximity sensor can provide positive feedback that the quick closure is in the locked position.



Quick Closure Valve