

## SAFER PRESSURE REGULATION WITH THE RIGHT VENTING OPTION.

If there is very little flow or none at all after a pressure regulator has been used, the outlet pressure cannot be reduced. The right venting mechanism can help here:

When a pressure system is operating normally, turning the handle on the pressure regulator relieves the force on the compression spring and reduces the outlet pressure. If no medium is flowing on the consumption side, the outlet pressure cannot be reduced. This can only be achieved by venting the consumption side. A venting valve can be installed in the system, **or a pressure regulator with integrated venting option can be used as a quick and easy solution.**

### THE BENEFITS OF SWAGELOK® SELF-VENTING PRESSURE REGULATORS:

1. There is no need for an additional venting valve
  2. Controlled venting of the medium
  3. No medium is lost unnecessarily
  4. The pressure can be reduced continuously, even with very low flow
- Harmless medium can be vented out of the casing cap into the surroundings through a drill hole below the handle (open self-venting option). (Figure 1)
  - Liquids or toxic media can be captured in a closed venting system and then correctly disposed of or fed back into the circuit (closed self-venting option). (Figure 2)
  - On pressure regulators with closed casing caps, lateral venting holes offer additional safety. Should the membrane break or the piston malfunction, the escaping medium can be directed in a controlled manner (closed emergency-venting option). (Figure 3)

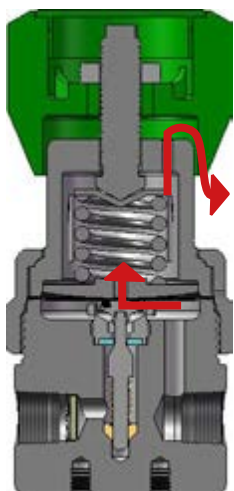


Figure 1: Regulator with open self-venting option

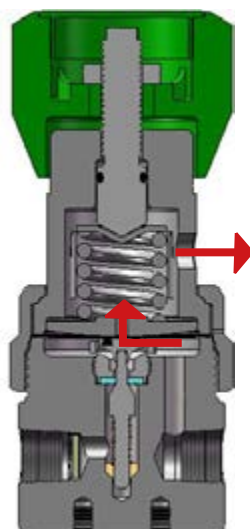


Figure 2: Regulator with closed self-venting option

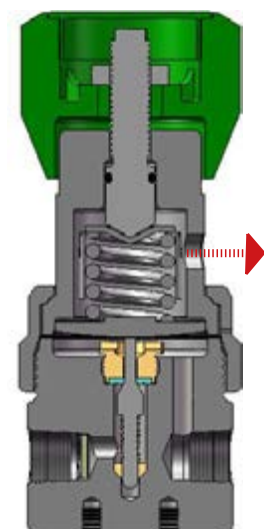


Figure 3: Regulator with closed emergency-venting