

Safety Countermeasures of REGIT50

The REGIT50 is equipped with a relief valve, a manual operated OPSO valve, and a Auto reset OPSO.

1) Relief Valve

When the secondary side piping internal pressure rises gas is discharged into the atmosphere to avoid the pressure valve. The pressure setting can be modified by spring replacement and adjusting the screw height (27-80mbar for AL & BL type, 90-300mbar for ALM & BLM type)

2) Manually Operated OPSO Valve

- Gas supply to the governor is shut off in the event of an abnormal rise of the secondary side pressure
- The pressure setting can be changed by spring replacement (80-130mbar for AL & BL type, 90-300mbar for ALM & BLM type)
- Resetting is manual.

3) Auto-Reset OPSO

Auto-Reset OPSO is built in AL type and BL type governor. These governors are equipped with a main valve and an abnormal pressure rise prevention valve. If foreign objects get caught between the main valve rubber and the nozzle, the pressure increases and the diaphragm rises. This eventually pushes up against the OPSO valve which closes. (It acts under 50mbar) Once the pressure drops back down to normal the diaphragm drops down and re-sets.