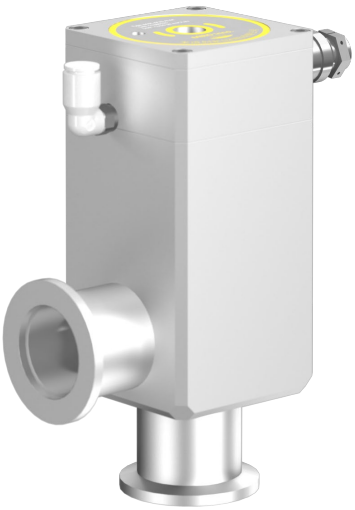
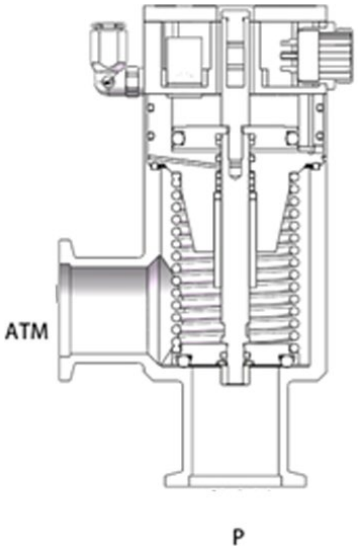
Pressure-Relief High Vacuum Poppet Valve Technical Manual

Product Introduction

- Installation method: The lower flange connects to the chamber, and the side flange connects to the atmosphere.
- When the pressure on the chamber side (P) exceeds the atmospheric side (ATM) by 20KPa, the valve plate will fully open. When the pressure on the chamber side (P) exceeds the atmospheric side (ATM) by about 10KPa, the valve plate will start to have minor leaks.
- When vacuuming on the chamber side, the valve plate will automatically seal shut, with a leak rate of $<1x10^{-11}Pa*m^3/s$.
- Other technical parameters and appearance dimensions are the same as the MAC series all-in-one high vacuum poppet valves.





Valve parameters

- Drive gas pressure range: 3.5-7 bar
- Nominal Drive gas pressure: 6 bar
- Drive gas tubing O.D.: default 6 mm (4mm is optional)
- Solenoid nominal voltage：24V (±%5)
- Solenoid power：1.3W
- Magnetic switch nominal voltage：24V(5~28V)
- Leakage rate <1×10-9 mbar•L/sec (1×10-10 m3•Pa/sec)
- Min. Working pressure:1×10-8 mbar (1×10-6 Pa)