



DATA SHEET AND INSTALLATION INSTRUCTIONS

FILTAMATE[®] Pressure Limiting Valves

APPLICATION

High pressure systems to protect downstream components e.g. Water filters, drink dispensers, ice makers, coffee machines and reverse osmosis machines.

- Flow rate: 14 L/min (4USgpm) at 700 kPa (100psi) inlet pressure
- Outlet pressures: 350 and 600 kPa (50, 60, 85psi) +- 10% @ 1000kPa (150psi) inlet pressure (Contact Apex Valves for additional pressures available)
- Pressure ratio: 10:1 (for every 10kPa(1.5psi) increase in inlet pressure above 1000kPa(150psi), the outlet pressure will increase by 1kPa(0.145psi)
- Maximum inlet pressure: 1600kPa (230psi)
- Maximum temperature: 40°C (105°F); 60°C (140°F) for the FM and FM ½
- Minimum temperature: 1°C (34°F)
- Valves are available **with** or **without** check valves - See (www.apexvalves.co.nz/plumbing/filtamate/pressure_limiting.html) for specifications and product codes
- FMP Acetyl plastic.

INSTALLATION

- Installation must be carried out by a Qualified Person.
- All pipe work must be flushed prior to installation.
- Do NOT apply heat near valve during installation.
- Must be fitted downstream of approved isolating valve
- Must be installed in the direction as indicated by the flow arrow
- Must be protected by a line strainer – See (www.apexvalves.co.nz/plumbing/filtamate/pressure_limiting.html) for specifications
- Must be installed according to local regulations.
- May be fitted in any orientation.
- Warranty is limited to any fault found in a valve due to poor workmanship or materials that is returned to Apex Valves Ltd within 1 year from the date of manufacture.
- **If thermal expansion (due to heating or cooling) or back pressure can occur downstream, an expansion valve must be fitted to relieve the excessive pressure build up.**

SERVICING

- The Filtamate valve opens and closes automatically every time water is drawn through it. As it is a mechanical device we recommend that it is replaced every 5 years or sooner in high usage installations.

STANDARDS

- Complies with NZ Building Code G12 (2001)
- Complies with NZS 4608:1992
- Australian Watermark Approval AS1357.2 LIC. 02596
- Australian Watermark Approval AS2845.1 LIC. 21876 (FM; FM ½ only)