

# Filtamate® Pressure Limiting Valve

## SPECIFICATIONS

- FMBP** Inlet: 15mm, ½" BSP (female)  
 Outlet: ¼" John Guest connector  
 Length: 98mm
  - FM ½** Inlet: 15mm, ½" BSP (female)  
 Outlet: 15mm, ½" BSP (female)  
 Length: 100mm
  - FM12** Inlet: 15mm, ½" BSP (female)  
 Outlet: 12mm John Guest connector  
 Length: 84mm
  - FMSC12** Inlet: 15mm, ½" BSP (female)  
 Outlet: 12mm John Guest connector  
 Length: 107mm
- Flow rate: 14 L/min at 700 kPa inlet pressure  
 Outlet pressures: 350 and 600 kPa+- 10% @1000 kPa inlet pressure  
 Pressure ratio: 10:1 (for every 10 kPa increase in inlet pressure above 1000 kPa, the outlet pressure will increase by 1 kPa)
- Maximum inlet pressure: 1600 kPa  
 Maximum temperature: 40°C, 60°C FM ½  
 Minimum temperature: 1°C

## INSTALLATION

- Installation must be carried out by a Qualified Plumber
- 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
- 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 2 years 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 (2014)
- Complies with NZS 4608:1992
- Australian Watermark Approval AS1357.2 & AS/NZS2845.1 Lic. WMKA2596 (Except FMSC12, FM12 & FMP350NZ)

**NOTE:** All installations must comply with NZBC Clause G12



FMBP



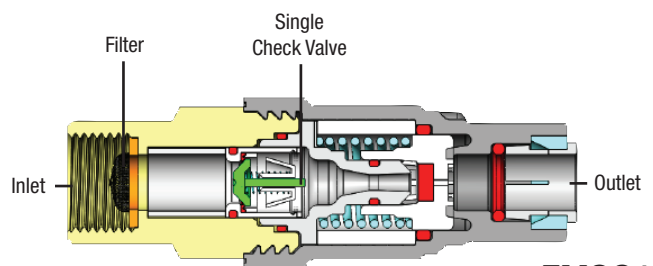
FM 1/2  
female/female



FM12



FMSC12



FMSC12

## PRODUCT CODES

- |                   |   |
|-------------------|---|
| <b>FM350 1/2</b>  | 350 kPa Brass                                       |
| <b>FM600 1/2</b>  | 600 kPa Brass                                       |
| <b>FMBP 350</b>   | 350 kPa Brass/Plastic with dual check valves        |
| <b>FM12 350</b>   | 350 kPa Brass/Plastic (No check)                    |
| <b>FMSC12 350</b> | 350 kPa Brass/Plastic (Includes single check valve) |

# Filtamate® Pressure Limiting Valve

## APPLICATION

High pressure systems to protect downstream components eg. Waterfilters, drink dispensers, ice makers, coffee machines and reverse osmosis machines.

## FEATURES/BENEFITS

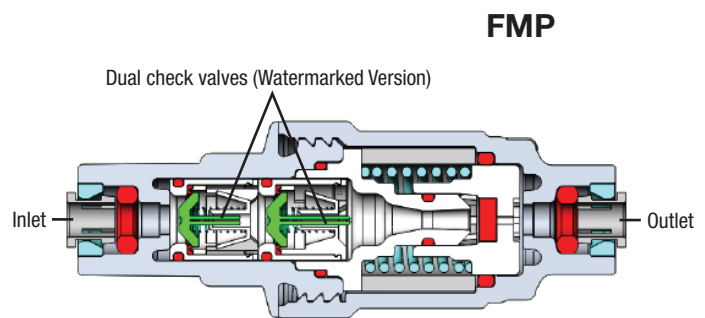
- The FM (Brass version) is precision machined from high quality N.Z. DR brass and nickel plated.
- Dual checks (FM, FMP, FMP 3/8, FMBP, FM 1/2) prevent backflow making the valve ideal for reverse osmosis units, fridges with ice makers and coffee machines.
- The Filtamate protects water filters by limiting water pressure to the filter (avoiding costly water damage in the house).
- FMP (Acetal plastic version) has quick and simple John Guest fittings for speedy install.
- Dual Watermark certification for backflow and pressure control.

## SPECIFICATIONS

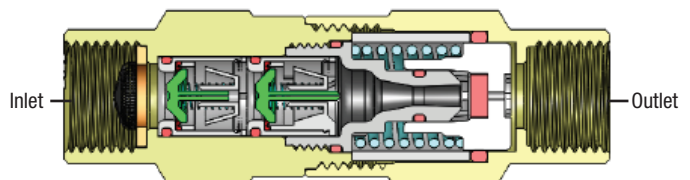
- **FM** Inlet: 15mm, 1/2" BSP (female)  
Outlet: 8mm, 1/4" BSP (female)  
Length: 97mm
- **FMP 3/8** Inlet: 3/8" John Guest connector  
Outlet: 3/8" John Guest connector  
Length: 110mm
- **FMP** Inlet: 1/4" John Guest connector  
Outlet: 1/4" John Guest connector  
Length: 98mm
- Flow rate: 14 L/min at 700 kPa inlet pressure
- Outlet pressures: 350 and 600 kPa +- 10% @ 1000 kPa inlet pressure.
- Pressure ratio: 10:1 (for every 10 kPa increase in inlet pressure above 1000 kPa, the outlet pressure will increase by 1 kPa).
- Maximum inlet pressure: 1600 kPa
- Maximum temperature: 40°C FMP, 60°C FM
- Minimum temperature: 1°C
- Integral Dual Check Valves (Except FMP350NZ, FM12 and FMSC12).
- FMP supplied with fixing clip and screw.

## PRODUCT CODES

- FM 350** 350 kPa Brass/Nickel Plated with dual check valves
- FM 600** 600 kPa Brass/Nickel Plated with dual check valves
- FMP 350** 350 kPa with dual check valves
- FMP 600** 600 kPa with dual check valves
- FMP 350 3/8** 350 kPa with dual check valves
- FMP 600 3/8** 600 kPa with dual check valve
- FMP 350NZ** 350 kPa without dual check valves



**FMP**



**FM**