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WaterMark
AS1357.2
Lic 02596

APEX[®]
V A L V E S

**Protecting
appliances
since
1982**

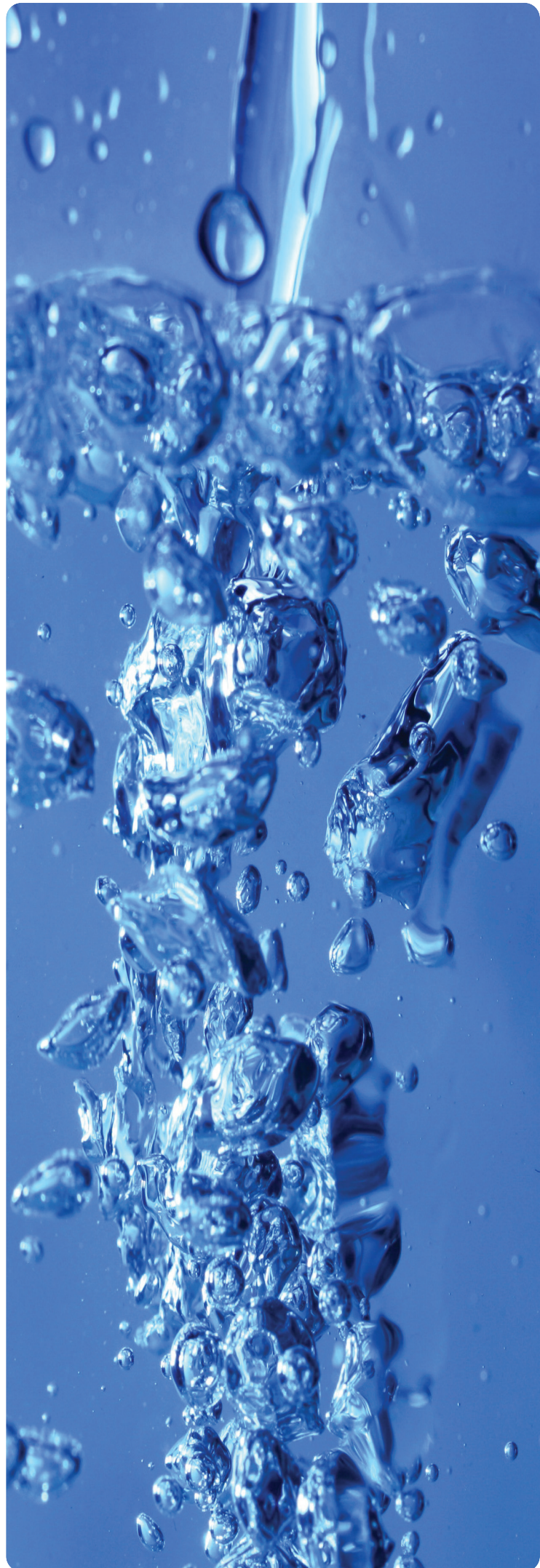
APEX[®]
V A L V E S

FiltaMate

PRESSURE LIMITING VALVE

- The original
- 100% hand tested
- John Guest fittings

Buy the Best!



APEX VALVES

FiltaMate

PRESSURE LIMITING VALVE

APPLICATION

- High pressure systems to protect downstream components eg. Water filters, 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 (acetyl plastic version) has quick and simple John Guest fittings for speedy install.

SPECIFICATIONS

- **FM** Inlet: 15mm, 1/2" BSP (female)
Outlet: 8mm, 1/4" BSP (female)
Length: 95mm
- **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: 100mm
- Flow rate: 14 L/min at 700 kPa inlet pressure
- Outlet pressures: 350 and 600 kPa $\pm$ 10% @ 1000kPa inlet pressure.
- Pressure ratio: 10:1 (for every 10 kPa increase in inlet pressure above 1000 kPa, the outlet pressure will increase by 1kPa).
- 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.
- FMP Acetyl plastic.



STANDARDS

- Complies with NZ Building Code G12 (2001)
- Complies with NZS 4608:1992
- Australian Watermark Approval AS1357.2 LIC. 02596 (Except FMSC12)
- Australian Watermark Approval AS 1357.2 Lic. 02596, AS/NZS 2845.1 Lic. 21876 (FM, FM1/2 and FMBP only)



Water Filters



Drink Dispensers



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 |



Ice Makers



Coffee Machines

Quality System
Quality
Endorsed
Company
ISO 9001
Lic 4886



FMBP



FM 1/2



FM12



FMSC12

PRODUCT CODES

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

SPECIFICATIONS

- **FMBP** Inlet: 15mm, 1/2" BSP (female)
Outlet: 1/4" John Guest connector
Length: 100mm
- **FM 1/2** Inlet: 15mm, 1/2" BSP (female)
Outlet: 15mm, 1/2" BSP (female)
Length: 100mm
- **FM12** Inlet: 15mm, 1/2" BSP (female)
Outlet: 12mm John Guest connector
Length: 85mm
- **FMSC12** Inlet: 15mm, 1/2" BSP (female)
Outlet: 12mm John Guest connector
Length: 105mm

Flow rate: 14 L/min at 700 kPa inlet pressure
 Outlet pressures: 350 and 600 kPa ± 10% @1000kPa 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 1/2
 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 – 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 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.

**NEW
2 YEAR
WARRANTY**
SEE OVER PAGE

WARRANTY

Apex Valves warranty is limited to any fault found in a new valve due to poor workmanship or materials that is returned to Apex Valves Limited within the warranty period as prescribed in the table below.

FILTAMATES 2 YEAR WARRANTY

The warranty does NOT apply if faults arise due to the following causes:

- Faulty operation due to foreign matter in the water supply.
- Installation of valves to impure or deleterious water supplies that contain excessive dissolved salt or chemicals.
- Installation that does not comply with any other relevant approved Standard or Manufacturers instructions and recommendations.
- Abuse or mutilation of a valve during installation or in an attempt to repair or replace the valve.
- Installation of a valve in an application where its intended use is not that for which the valve was designed without the prior written consent of Apex Valves Limited.
- Failure due to a lack of maintenance.

Apex Valves Limited shall in no way be liable for any loss, damage (direct, indirect or consequential), cost or expense incurred.

Apex Valves Limited reserves the right at any time to modify any valve specifications.

The warranty periods specified are valid from date of manufacture.

For all technical drawings and specifications refer to:

www.apexvalves.co.nz

DISTRIBUTOR:



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**Proudly made in
New Zealand**



MANUFACTURER:
APEX VALVES LIMITED
www.apexvalves.co.nz



INNOVATION QUALITY SERVICE