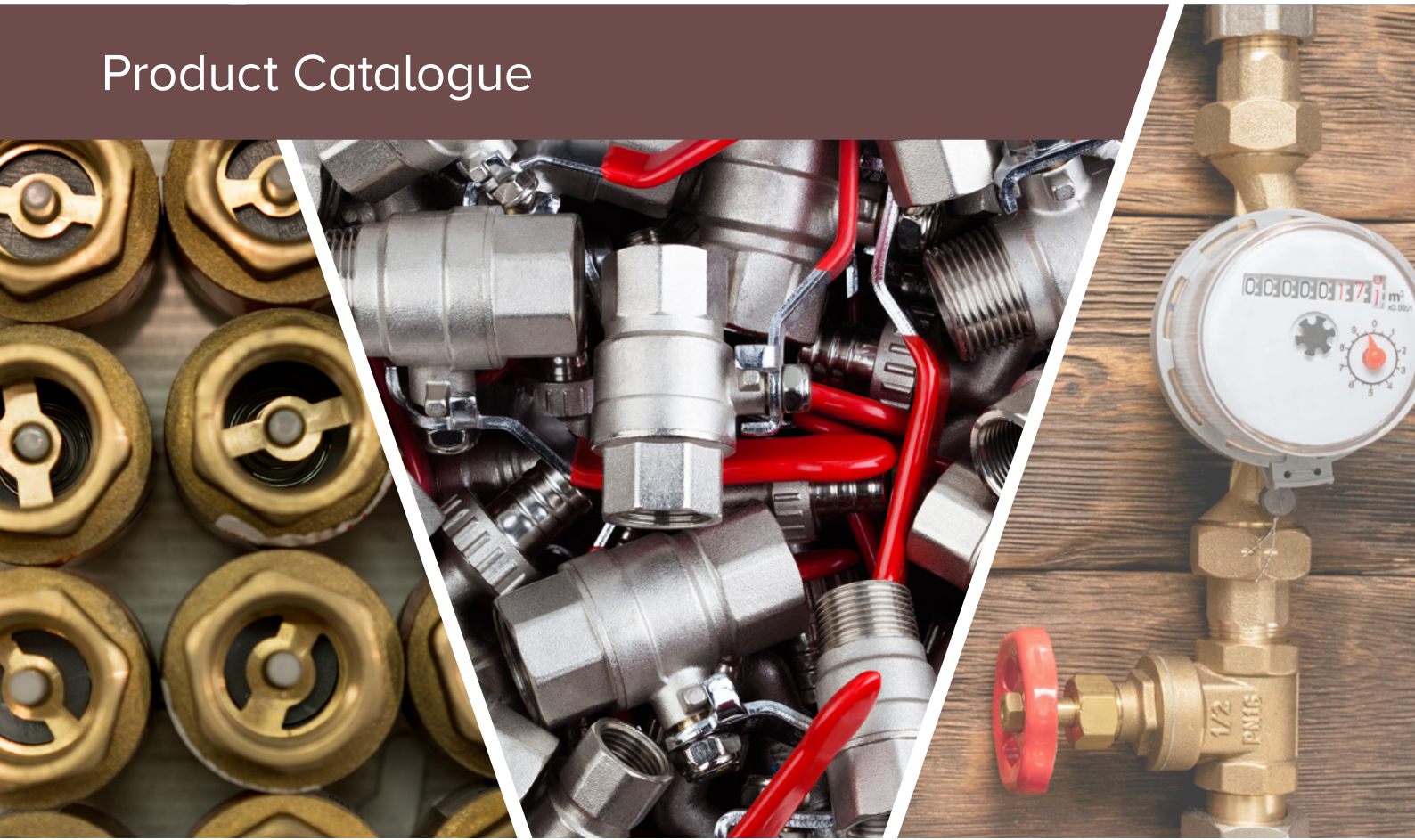




## Product Catalogue



# Control Valves

[www.melco.com.sg](http://www.melco.com.sg)

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# MELCO

## Quality Without Compromise.

### Vision

“To be recognized as a global trademark of Quality and Reliability”

### Mission

“To be a One-Stop centre delivering products, solutions and services of the highest quality to the plumbing industry”

### ABOUT US

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Since its inception in 1990, RFT Marketing have expanded and diversified over the past three decades to become a leading supplier in the plumbing industry. Equipped with extensive industry knowledge and supported by key manufacturers in Asia, Asia Pacific and Europe, we have access to international resources which includes world class manufacturing facilities and extensive research and development. This enables us to embark on a mission to explore new opportunities and gives our customers access to installation solutions that are optimized for efficiency, time and quality.

MELCO – the widely recognized brand identity of RFT Marketing, has been synonymous with the supply of quality products for various applications in the plumbing industry, and we have built its success on a continuous product development. Apart from producing traditional fittings, our range were expanded to include green technology – Press-fit solution which offers flame-free, quick and easy installation, and a leak proof joint.

With a heritage of quality and reliability, we provide construction professionals a complete solution of Connect and Control installations for use with copper, stainless steel and plastic components.

# Awards & Accolades

For the past 20 years, RFT Marketing has been building its reputation for supplying quality products backed by first class customer service and unrivalled expertise. The continuous success of RFT Marketing is built firmly on 3 strategic pillars: Brand Management, Product

Development and Proactive Customer Relationship Management. This put us in good stead with our strategic partners and we are widely recognized as the undeniable market leader that has won numerous accolades for its brand and management.

## EYA

In commendation of our founder's committed entrepreneurship and tenacious efforts towards the company, we were conferred with The Entrepreneur of the Year Award. His strong leadership values have successfully navigated RFT Marketing forward to today's business landscape.

This award is organized by the Association of Small & Medium Enterprises and the Rotary Club of Singapore.



## SPBA

In recognition of our branding excellence, MELCO was awarded as a winner in the Singapore Prestige Brand Award in the category of Established Brand. This is an important milestone and elevated our brand to another level.

This award is organized by the Association of Small & Medium Enterprises and LianHe Zaobao Newspaper.



## SINGAPORE 500/1000

In view of our outstanding financial performances, we are acknowledge as a SME 500 and S1000 company from 2010 - 2019.

The event is organized and ranked by DP Information Group.



## ISO 9001

Since 2001, RFT Marketing is certified to be in conformance with ISO 9001. It reflects deeply on us as one who seek continuous implementation and improvement to our business processes.





## MQV Series

MELCO control valves are manufactured in accordance with various British and European Standards such as BS 5154, BS 1010, BS EN 13828, etc.

They are generally produced in dezincification resistant (DR) brass to meet certain water regulation requirement, but they are also available in standard brass or gun-metal.

MELCO range of Control Valves includes Gate Valve, Ball Valve, Stop Cock, and Check Valve, and are available in Press, Compression, Threaded and Endfeed ends. It is suitable for connecting different types of tube including copper, stainless steel and plastic tubing, in domestic and commercial applications such as plumbing, heating and gas distribution.

### Features & Benefits

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- ☑ Comprehensive range of control valves for maintenance purposes.
- ☑ Complete range in various connection joints and materials.
- ☑ Advantageous in retrofit plumbing works.
- ☑ Suitable for connecting different type of tubing with compatible outer diameter or fittings with compatible mating threads.
- ☑ Available from sizes 15mm (1/2") to 108mm (4").

## Control Valves

### MQV102



**FXF GATE VALVE**

<b>Tested To</b>	BS EN 12288
<b>Working Pressure</b>	16 Bar (Non-Shock)
<b>Working Temperature</b>	10 to 90°C
<b>Material</b>	DZR Brass
<b>Applicable Medium</b>	Water

Product Size (inch)								
1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4

### MQV108



**SOLDER GATE VALVE**

<b>Tested To</b>	BS EN 12288
<b>Working Pressure</b>	16 Bar (Non-Shock)
<b>Working Temperature</b>	10 to 90°C
<b>Material</b>	Bronze BS 1400 : 1985 LG2
<b>Applicable Medium</b>	Water

Product Size (mm)							
15	22	28	35	42	54	67	76

### MQV103



**FXF GLOBE VALVE**

<b>Tested To</b>	BS EN 12288
<b>Working Pressure</b>	16 Bar (Non-Shock)
<b>Working Temperature</b>	10 to 85°C
<b>Material</b>	DZR Brass
<b>Applicable Medium</b>	Water

Product Size (inch)					
1/2	3/4	1	1-1/4	1-1/2	2

### MQV111



**CXC GATE VALVE**

<b>Tested To</b>	BS EN 12288
<b>Working Pressure</b>	16 Bar (Non-Shock)
<b>Working Temperature</b>	10 to 90°C
<b>Material</b>	DZR Brass
<b>Applicable Medium</b>	Water

Product Size (mm)					
15	22	28	35	42	54

## MQV112



### PRESS-FIT GATE VALVE

<b>Tested To</b>	BS EN 12288
<b>Working Pressure</b>	16 Bar (Non-Shock)
<b>Working Temperature</b>	10 to 90°C
<b>Material</b>	DZR Brass
<b>Applicable Medium</b>	Water

Product Size (mm)					
15	22	28	35	42	54

## MQV120



### CXC STOPCOCK

<b>Tested To</b>	BS 1010-2
<b>Working Pressure</b>	10 Bar (Non-Shock) * 16 Bar (Non-Shock) **
<b>Working Temperature</b>	10 to 85°C
<b>Material</b>	DZR Brass
<b>Applicable Medium</b>	Water

Product Size (mm)		
15	22	28

\* For temperature 30 - 85°C

\*\* For temperature 10 - 30°C

## MQV119



### FFX STOPCOCK

<b>Tested To</b>	BS 1010-2
<b>Working Pressure</b>	10 Bar (Non-Shock) * 16 Bar (Non-Shock) **
<b>Working Temperature</b>	10 to 85°C
<b>Material</b>	DZR Brass
<b>Applicable Medium</b>	Water

Product Size (inch)		
1/2	3/4	1

\* For temperature 30 - 85°C

\*\* For temperature 10 - 30°C

## MQV207



### FFX FULL BORE BALL VALVE C/W YELLOW HANDLE

<b>Tested To</b>	BS EN 331
<b>Working Pressure</b>	5 Bar (MOP 5)
<b>Working Temperature</b>	10 to 60°C
<b>Material</b>	Brass (Nickel Plated)
<b>Applicable Medium</b>	Gas

Product Size (inch)								
1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4

## Control Valves

### MQV231



#### CXC FULL BORE BALL VALVE C/W RED HANDLE

<b>Tested To</b>	BS EN 13828
<b>Working Pressure</b>	16 Bar (Non-Shock)
<b>Working Temperature</b>	10 to 90°C
<b>Material</b>	DZR Brass (Nickel Plated)
<b>Applicable Medium</b>	Water

#### Product Size (mm)

35	42	54
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### MQV245



#### CXC ANGLE BALL VALVE

<b>Tested To</b>	BS EN 13828
<b>Working Pressure</b>	10 Bar (Non-Shock)
<b>Working Temperature</b>	10 to 60°C
<b>Material</b>	DZR Brass (Chrome Plated)
<b>Applicable Medium</b>	Water

#### Product Size (mm)

15 x 10
---------

### MQV244



#### CXMIXMI TWO-WAY BALL VALVE

<b>Tested To</b>	BS EN 13828
<b>Working Pressure</b>	10 Bar (Non-Shock)
<b>Working Temperature</b>	10 to 60°C
<b>Material</b>	DZR Brass (Chrome Plated)
<b>Applicable Medium</b>	Water

#### Product Size

15mm x 1/2" x 1/2"
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### MQV246



#### CXMI ANGLE BALL VALVE

<b>Tested To</b>	BS EN 13828
<b>Working Pressure</b>	10 Bar (Non-Shock)
<b>Working Temperature</b>	10 to 60°C
<b>Material</b>	DZR Brass (Chrome Plated)
<b>Applicable Medium</b>	Water

#### Product Size

15mm x 1/2"
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### MQV247



**MIXFI MINI BALL VALVE**

Tested To	BS EN 13828
Working Pressure	10 Bar (Non-Shock)
Working Temperature	10 to 60°C
Material	DZR Brass (Chrome Plated)
Applicable Medium	Water
Product Size (inch)	
1/2	3/4      1

### MQV301



**MIXFI ANTI-VACUUM VALVE**

Tested To	BS EN 14451
Working Pressure	8 Bar (Non-Shock)
Working Temperature	10 to 60°C
Material	DZR Brass (Chrome Plated)
Applicable Medium	Water
Features	See details below
Product Size (inch)	
1/2	

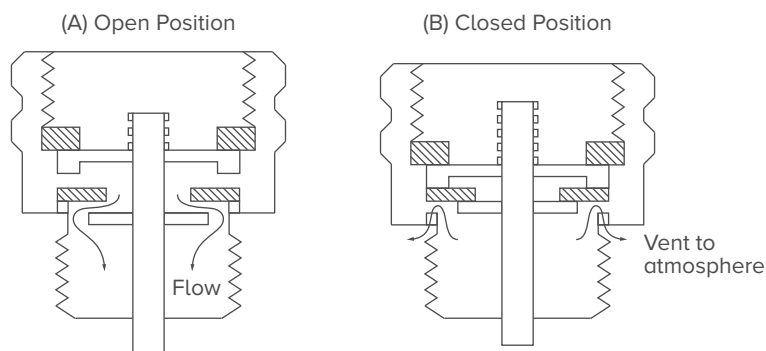
## Features of Anti-Vacuum Valve

Backward movement of water, also known as backflow, can occur due to the siphoning or back pressure. When the pressure in the water supply lines drop below atmospheric pressure, water (and any contaminants) is pulled from the terminal appliance, i.e. bidet spray hose, back into the water supply line.

The **MELCO Anti-Vacuum Valve** is a single spring loaded check valve to a closed position with an

integral atmospheric vacuum breaker vent. It works by closing the check valve while simultaneously opening a vent to let in outside air, when the supply pressure is interrupted or when the pressure in the appliance become greater than the supply pressure.

In this mode of operation, it prevents a vacuum from forming, and a backflow of water supply line.



**MQV302**



**AIR RELEASE VALVE  
MALE BSPT**

Working Pressure	16 Bar (Non-Shock)
Working Temperature	10 to 90°C
Material	Brass
Applicable Medium	Water

Product Size (inch)	
	1

**MQV404**



**CXC SPRING CHECK VALVE  
C/W BRASS SEAT**

Tested To	BS 5154
Working Pressure	16 Bar (Non-Shock)
Working Temperature	10 to 90°C
Material	DZR Brass
Applicable Medium	Water

Product Size (mm)	
42	54

**MQV403**



**FXF SPRING CHECK VALVE  
C/W BRASS SEAT**

Tested To	BS 5154
Working Pressure	16 Bar (Non-Shock)
Working Temperature	10 to 90°C
Material	DZR Brass
Applicable Medium	Water

Product Size (inch)								
1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4

**MQV405**



**FXF SWING CHECK VALVE \***

Tested To	BS 5154
Working Pressure	16 Bar (Non-Shock)
Working Temperature	10 to 90°C
Material	Brass
Applicable Medium	Water

Product Size (inch)								
1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4

\* Not for Vertical Installation

## MQV406



### MIXFI SPRING CHECK VALVE

Tested To	BS 5154
Working Pressure	8 Bar (Non-Shock)
Working Temperature	10 to 60°C
Material	DZR Brass
Applicable Medium	Water
Features	<ul style="list-style-type: none"> <li>• Compact lightweight construction for easy installation</li> </ul>

#### Product Size (inch)

1/2	3/4	1
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## MQV408



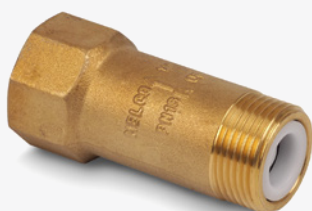
### Y-STRAINER VALVE

Tested To	BS 1010-2
Working Pressure	16 Bar (Non-Shock)
Working Temperature	10 to 90°C
Material	DZR Brass
Applicable Medium	Water

#### Product Size (inch)

1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3
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## MQV407



### MIXFI SPRING DOUBLE CHECK VALVE

Tested To	BS 5154
Working Pressure	8 Bar (Non-Shock)
Working Temperature	10 to 60°C
Material	DZR Brass
Applicable Medium	Water
Features	<ul style="list-style-type: none"> <li>• Compact lightweight construction for easy installation.</li> <li>• Double check valve incorporates two valves which acts as a safety feature.</li> </ul>

#### Product Size (inch)

1/2	3/4	1
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## Operating Instructions

- Ensure that the valves to be used are appropriate for the conditions of the installation (type of fluid, pressure and temperature).
- Check that the flow paths are clear and that the joints are free from debris.
- Regular maintenance is the most efficient method of ensuring longer term uninterrupted operational efficiency. It's recommended to operate the valve (open and close) at least twice a year.

## Installation Instructions

- Use suitable hangers close to both ends of the valve in order to remove stresses transmitted by the pipe.
- Ensure that the pipe thread is the correct type and length for the valve – too short risks leakage, too long risks damaging the valve.
- Use the spanner flats adjacent to the pipe joint being made. Do not use the valve body or flats at the opposite end of the valve. Over tightening will not produce a better joint, and may lead to problems in service.
- Valves must not be over tightened.

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