

new from...

# AQUALISA

Power...Performance...Control  
Engineered by Aqualisa...Installed by You



Opto  
Thermo

OPTO

# Opto

at a glance



## Opto Thermo gravity

Delivers unbelievable flow rates at over 10 litres a minute from a 1 metre head, typically twice the flow of many other manufacturers' shower systems.



## Opto Thermo combi

Offers true thermostatic performance, optimising boiler efficiency and giving optimum performance even in winter.



## Opto Thermo high pressure

Controls the flow at the heart of the valve, giving both thermostatic control and a great performance at the handset.

## Introducing the Opto family



Aqualisa is known for innovation, creativity and flair.

Our track record includes:

**1976** Developing the bi-metallic coil, thermostatic shower cartridge.

**2001** Launch of 'Quartz', the first digital shower.

**2005** Opto Thermo range.

All our research shows that 'performance' is rated the most important feature by both consumers and installers when selecting a shower. Aqualisa wanted to develop a shower specifically to suit the plumbing system that would give optimised performance for every application. So after scrupulous research and development ... Opto was born.

As with all good inventions, the solution was simple - design the shower to fit the water system! This is where Opto makes a difference. Each member of the Opto family has its own individual strengths and characteristics which together provide a total solution to the nuances of British plumbing systems.

## What Opto offers

- A better flow from gravity systems—typically twice the flow of other products.
- A dedicated combi valve that gives true thermostatic performance.
- Reduced outlets on high pressure valves means an end to empty tank complaints.

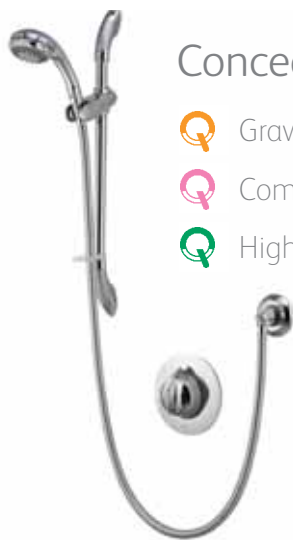







# Make the right choices with Opto

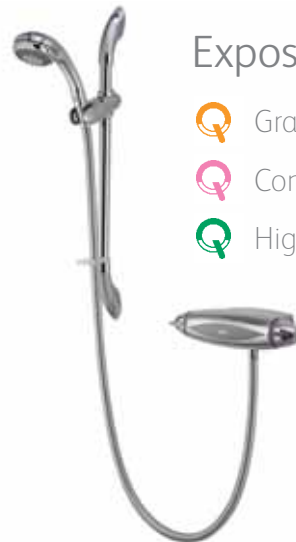
Aqualisa has made it easy with the Opto Thermo range.

Each system has its own unique product code, is clearly labelled according to the water system it is designed to work with and comes complete in one box. You just decide whether you need a concealed or exposed model, pick the box that is right for the job and get on with it!



## Concealed

	Product Code
 Gravity	OPG3111
 Combi	OPC3111
 High Pressure	OPH3111



## Exposed

	Product Code
 Gravity	OPG4111
 Combi	OPC4111
 High Pressure	OPH4111

## Benefits of the Opto Thermo Range

- Easy-to-install valve and kit comes all in one box.
- Optimum performance – a thermostatic cartridge designed for each water system.
- Luxury shower kit with multi-mode 3 pattern handset, shower gel holder and easy-to-clean shower head.
- 2 year comprehensive manufacturer's guarantee.



To find out more about Opto order our CD-Rom on:

**0800 652 3669**

or visit our web page at:  
[www.aqualisaopto.co.uk](http://www.aqualisaopto.co.uk)

Aqualisa Products Limited  
The Flyer's Way  
Westerham  
Kent  
TN16 1DE

Sales enquiries: 01959 560020  
Customer helpline: 01959 560010  
Brochure request line: 0800 652 3669  
Website: [www.aqualisa.co.uk](http://www.aqualisa.co.uk)  
E-mail: [enquiries@aqualisa.co.uk](mailto:enquiries@aqualisa.co.uk)





# Opto Thermo gravity

for use with gravity water systems

## The industry challenge

To design a shower that would deliver twice the flow of conventional showers when installed on a gravity system.



## Our response

We looked at the valve and designed an ultra-low pressure-loss flow control assembly (T-tube) at the heart of the cartridge.

Developed a brand new, high quality handset and hose, designed to complement the cartridge, and NOT to restrict flow.

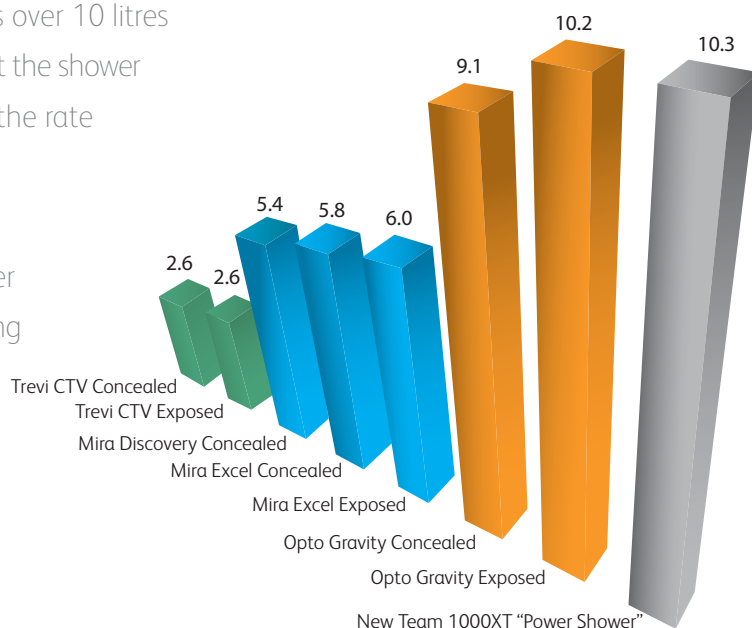
Measured the flow from the shower head and NOT the valve, as many manufacturers do.

Independently tested Opto against other showers on the market.

Opto Thermo gravity exposed delivers almost twice the flow of other showers on the market

## The results

- A shower that delivers over 10 litres of water per minute at the shower head – typically twice the rate of other showers on the market.
- An unrestricted shower hose and head ensuring optimised flow rates.
- Power shower performance without the need of a pump – and no electrical work is necessary!



Flow rate tested at 1.53 metre head\* at handset (l/min)

Independently tested by BSRIA – October 2005 (BSRIA Report 19501-1)

\* Typically stated as '1 metre head'



# Opto Thermo combi

for use with combination boilers

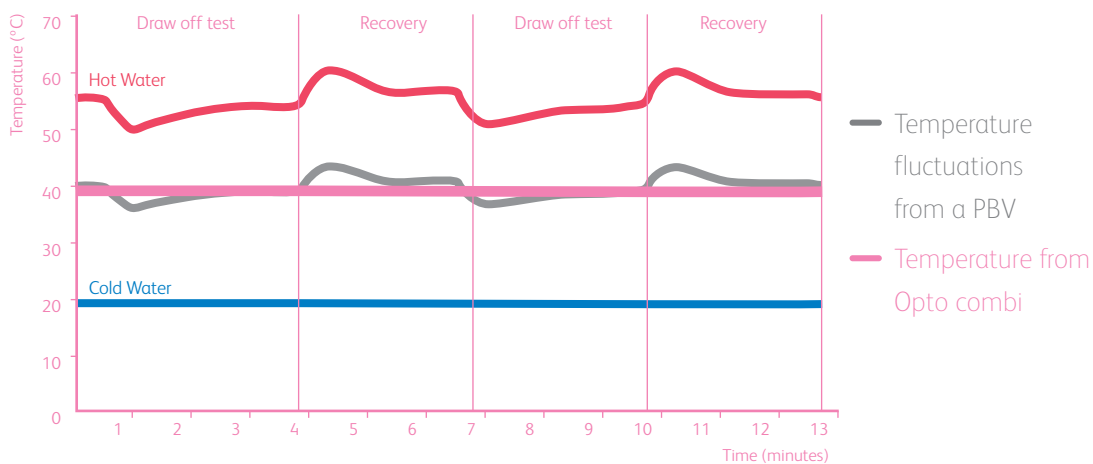
## The industry challenge

To deliver true thermostatic shower performance from a combi system.  
To overcome classic combi problems of unbalanced systems, which result in changes to water flow, temperature and seasonal fluctuations.

## Our response

We re-designed a system specific flow control mechanism (T-tube) at the heart of the cartridge, to complement boiler operation and to ensure a constant flow of temperature controlled water.  
We designed the valve to harmonise with the individual output of the various boiler sizes, by developing a unique porting system and an easy-to-fit set of flow regulators, that ensure perfect control from boiler to bather.

Opto Thermo combi controls the water temperature, whatever the output from the combi boiler



Shower temperature comparison between Opto combi and pressure balancing valve in hot and cold draw-off test on a typical combi system.

## The results

The only valve on the market for dedicated use with a combi system that delivers:

- True thermostatic performance.
- Optimum boiler efficiency whatever the size or make.
- Optimum performance in winter.





# Opto Thermo high pressure for use with mains fed pressurised water systems

## The industry challenge

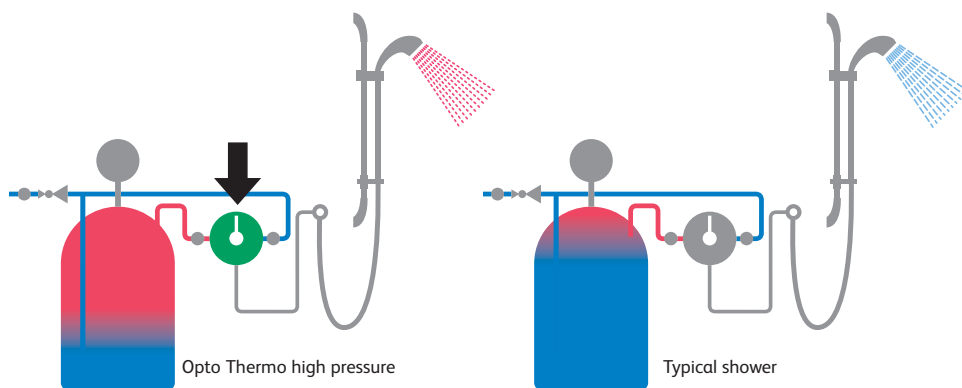
To overcome the problem of exhausting hot water storage, and then to shift the flow control to the valve, without the use of flow restrictors, which can affect the thermostatic control.

## Our response

At the heart of the valve, we re-engineered the flow control mechanism to harmonise it with the performance of pressurised and thermal storage systems.

Then we developed a high quality handset which does not restrict the flow and which delivers the optimum shower experience.

## The Opto Thermo high pressure valve controls the flow of water at the heart of the shower



Flow is controlled by the Opto Thermo high pressure valve, to make best use of the water in the tank, and optimise thermostatic performance.

## The results

- A shower with flow control at the heart of the valve, giving both thermostatic control and a great performance at the handset.
- A controlled flow rate, which conserves water and ensures the hot tank doesn't run out before the suds are washed off!