

optimised performance with...

**AQUALISA**



Opto<sup>®</sup>

Time for a change

# Like a chameleon...

Our range of Opto showers adapt to their surroundings; working in partnership with the plumbing system to deliver an optimised performance. Just select the technology that best suits your installation and budget. Developed especially for installers, Opto Digital and Opto Thermo showers have been specifically designed with features and benefits that work together to provide a total, enhanced solution for British plumbing systems.



## ...time for a change.



### Opto Gravity

Choose orange for the best shower flow rate on gravity systems. Opto Digital Gravity comes complete with an integral pump to achieve this. Opto Thermo Gravity is engineered to deliver up to twice the flow of other conventional thermostatic shower valves.



### Opto Combi

Both Opto Digital and Opto Thermo Combi showers have been specifically designed to work in harmony with combi systems; whether you go for Digital or Thermo, you can be sure of dedicated technology that will deliver the perfect shower all year round.



### Opto High Pressure

Designed especially with high pressure systems in mind, both Opto Digital and Opto Thermo High Pressure showers control the flow at the heart of the valve, without compromising thermostatic performance.

# Aqualisa Opto technologies

---



Opto Digital processor for Combi and High Pressure systems

Opto Digital is based on our award winning processor technology tailored to the needs of the professional installer. It now offers the consumer elegantly simple controls and an economical shower solution whatever the water system.



Opto Thermo cartridges

Optimising performance from the water system, Opto Thermo uses our tried and trusted thermostatic technology.

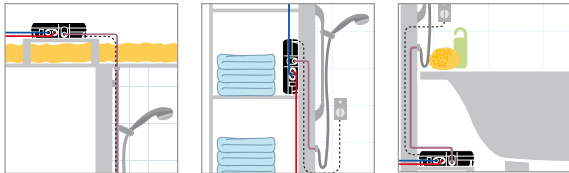
# How Digital works

## The Digital processor

Central to Digital showering is the separation of the valve from the controls.

The water is blended and controlled in a processor box that is sited remotely from the showering area. For example in the loft, the airing cupboard or under the bath.

The processor can be located...



In the loft  
(exposed variant shown)

In the airing cupboard  
(concealed variant shown)

Under the bath  
(concealed variant shown)

Hot and cold water flows to the processor and is perfectly blended before flowing out of the processor to the shower head.

A low voltage data cable connects the controls to the processor and is cleverly concealed within the exposed shower's riser rail or, for concealed variants, hidden behind the tiling, leaving an elegantly simple shower control.

## A typical Opto Digital exposed installation



Gravity processor with integrated pump



Combi and High Pressure processor





### Great performance

Opto Digital will deliver up to 12 litres per minute on gravity and high pressure systems.\*

### Three invigorating spray patterns

Whether it's an early morning wake up call or a relaxing after work wind-down, you'll be sure to find one to suit.

### Rub clean nozzles

The luxury handset has easy rub clean nozzles to enable simple cleaning and the removal of scale to optimise flow rates.



### Simple one touch control

A simple push of the button is all it takes to get Opto Digital up and running.

### See when it is time to step in

Keep an eye on the flashing light – when it holds steady it's time to start showering.

### Easy temperature control

An easy glide temperature selector makes functionality simple for both young and old.

### Eco setting\*\*

A swift turn of the screwdriver at the processor box will adjust the flow rate to an economical 8 litres per minute.\*

### The decision

Pick the water system the shower is to work on and then choose from exposed or concealed variants. It's as easy as that!

\*Exact flow rate dependent on installation

\*\* Not suitable for combi systems

75mm

# Simple 3-step installation

## Installing an Opto Digital exposed shower system



### Step 1

In the loft connect the hot and cold supply pipes to the processor box.



### Step 2

Drill a hole in the ceiling, offer up the riser rail (with copper pipe and data cable) through the hole and secure the rail to the wall, making sure the control is at the right height.



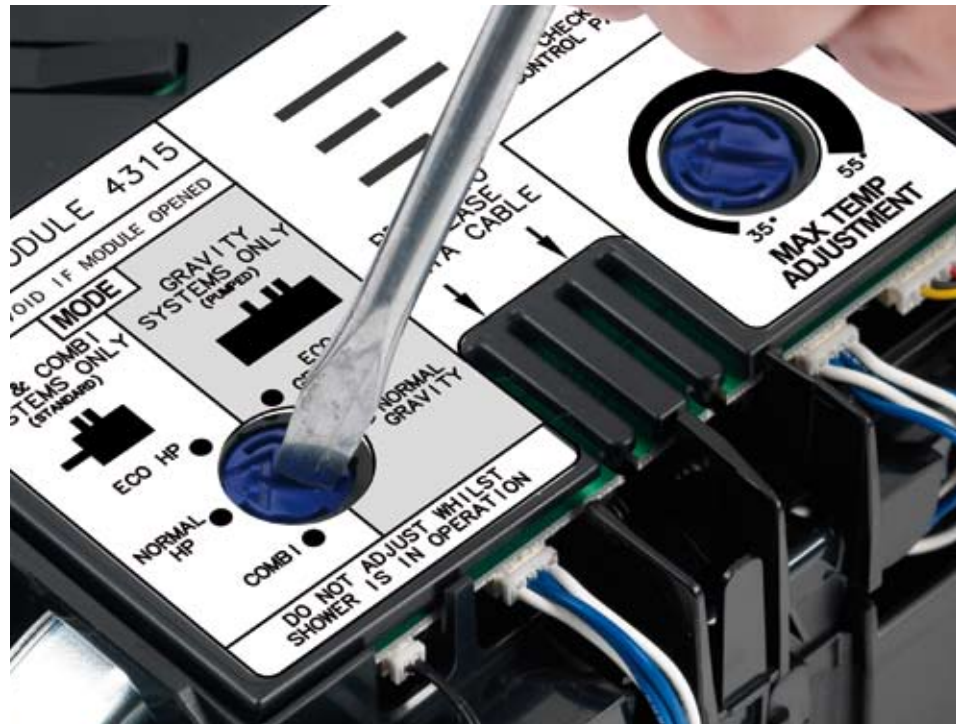
### Step 3

Connect the copper pipe to the blended water outlet on the Digital processor. Connect the low voltage data cable and connect the power lead to a double pole 3 amp fuse switch.

# Optimised with a twist

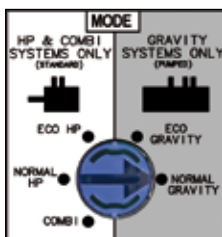
## Optimising the performance with your water system

Inside Aqualisa's processor box are a number of controls that, with a simple turn of a screwdriver, lets you adjust the maximum temperature of the water (factory set at 45°C) and change the mode control setting to suit the water system it operates on. Optimised performance, whatever the plumbing characteristics.



### Opto Gravity

The Gravity variant comes complete with an integrated pump to boost flow rate up to an impressive 12 litres per minute. There is an option to switch to an 'Eco' setting that will reduce maximum flow rate to around 8 litres per minute.

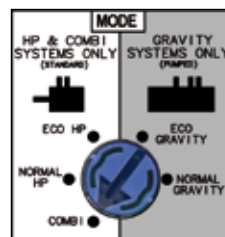


Switch position on processor



### Opto Combi

Opto Digital is the first digital shower designed specifically with the nuances of combi boiler systems in mind. Simply select 'Combi' on the shower's processor during installation and all settings are automatically optimised to ensure nothing less than a flawless showering performance.

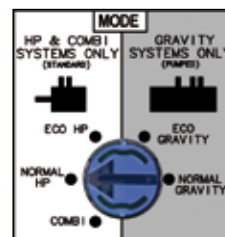


Switch position on processor



### Opto High Pressure

Just select 'High Pressure' for a perfect shower or, for those mindful of water consumption, simply choose the processor's 'Eco' setting during installation to reduce flow rate to around 8 litres per minute.



Switch position on processor

# How Thermo works

Based upon Aqualisa's renowned, bi-metallic thermostatic showering technology, each Opto Thermo shower cartridge – whether Gravity, Combi or High Pressure – has been especially designed to ensure maximum optimisation of the water system is achieved. Easy to install and helpfully colour coded, Opto Thermo cartridges feature refined, system specific flow control mechanisms that, amongst other benefits, are capable of delivering up to twice the flow on gravity systems, overcome flow and temperature fluctuations when teamed with combi systems and avoid exhausting hot water supplies on high pressure systems.

## The heart of the valve

Opto Thermo cartridges have been redesigned at their core to ensure the best possible results from different water systems.



### 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 a 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.

Opto Thermo cartridges







### Optimised performance

Opto Thermo can deliver up to a staggering 10.2 litres per minute on gravity, and gives optimised flow rates on combi and high pressure water systems.

### Rub clean nozzles

The luxury handset has easy rub clean nozzles to enable simple cleaning and the removal of scale to optimise flow rates.

### Three invigorating spray patterns

Aqualisa's optimum handset offers multiple spray patterns to suit your mood.

### System specific cartridge inside

By choosing the cartridge that best suits the water system you can be sure that the thermostatic performance is never compromised.



Opto Thermo concealed valve



Opto Thermo exposed valve

### The decision

Pick the water system the shower is to work on and then choose from exposed, or concealed variants. It's as easy as that!

# Optimised performance with Opto T

Why should one valve tick every box? Opto Thermo cartridges have been developed to understand the characteristics and quirks of different types resulting in a range of showers that harmonise with, rather than hinder, t

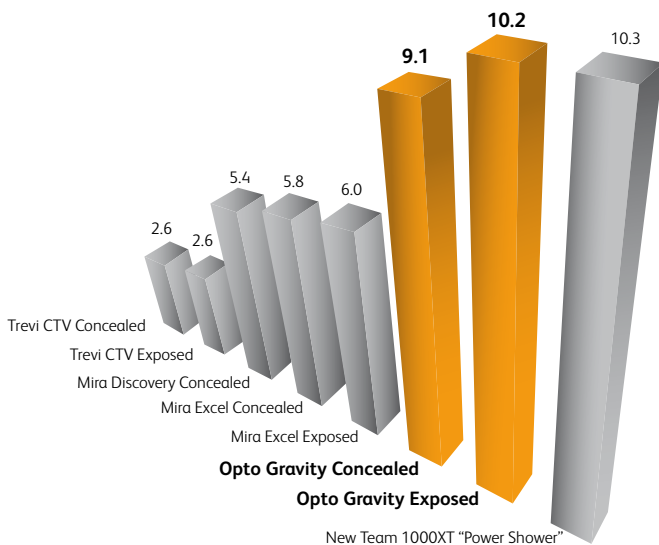


## Opto Thermo Gravity

Opto Thermo Gravity is capable of delivering almost twice the flow of other, conventional thermostatic shower valves.

### Benefits

- The exposed version delivers over 10 litres of water per minute – typically nearly twice the flow of other showers
- An unrestricted shower head and hose that further optimise flow
- A power shower performance without the need for a pump or electrical work!



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

Independently tested by BSRIA – October 2005 (BSRIA Report 1950101)  
\* Typically stated as "1 metre head"

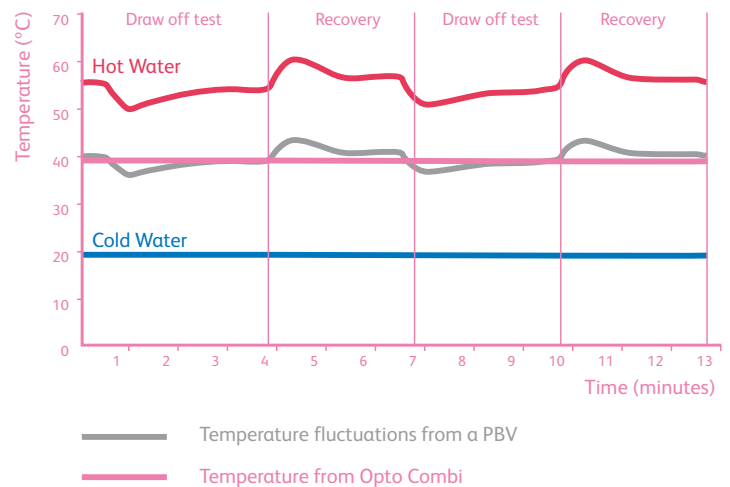


## Opto Thermo Combi

The first combi boiler dedicated thermostatic shower valve available. Whatever the output from the combi boiler, Opto Thermo Combi will deliver...

### Benefits

- A true thermostatic performance
- Optimum boiler efficiency – regardless of make, brand or capacity
- Maximum winter performance; no more seasonal fluctuations



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

# thermo

designed and  
of water systems;  
he water system.

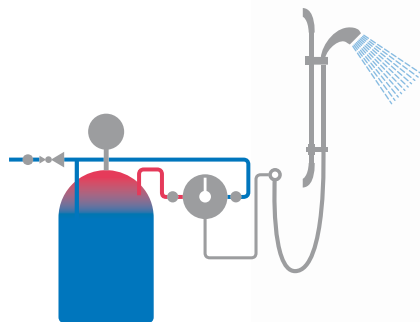


## Opto Thermo High Pressure

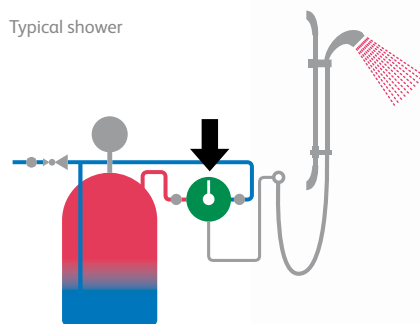
Features a specialist valve that has been especially designed to control the flow of water at the heart of the shower.

### Benefits

- Flow control is managed at the core of the shower valve – delivering a better thermostatic control without compromising handset performance
- Controlled flow rate, resulting in improved conservation of stored hot water



Typical shower



Opto Thermo High Pressure

Flow is controlled by the Opto Thermo High Pressure valve, to make best use of the water in the tank, without compromising thermostatic performance.

# Make the right choice...



It's time for a change! Opto Digital and Opto Thermo showers are each available as Gravity, Combi or High Pressure variants – so whatever the water system, you can be sure of an optimised performance every time. Here's our simple at-a-glance guide so you can choose which system is right for you.

Features	Opto Digital	Opto Thermo
Gravity, Combi or High Pressure variants optimise performance on each water system	✓	✓
Complete, system specific shower, boxed and ready to go	✓	✓
Digital technology	✓	X
Easy to install with step-by-step photographic guide	✓	✓
Exposed and concealed variants	✓	✓
Optional Eco setting on installation	✓	X
Adjustable height shower head, with 3 multi-mode spray patterns	✓	✓
Fixed head with 3 multi-mode spray patterns	✓	X
One touch start/stop control	✓	X
Temperature light indicator	✓	X
Easy glide temperature control	✓	X
2 year guarantee	✓	✓

## Opto Digital



Opto Digital concealed with adjustable height head

Opto Digital concealed with fixed head

Opto Digital exposed with adjustable height head

OPDCA01G	OPDCF01G	OPDEA01G
OPDCA01HC	OPDCF01HC	OPDEA01HC
OPDCA01HC	OPDCF01HC	OPDEA01HC

## Opto Thermo



Opto Thermo concealed with adjustable height head

Opto Thermo exposed with adjustable height head

OPG3111	OPG4111
OPC3111	OPC4111
OPH3111	OPH4111

# AQUALISA

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

Customer helpline: 01959 560010  
Facsimile: 01959 560030  
Website: [www.aqualisa.co.uk](http://www.aqualisa.co.uk)  
Email: [enquiries@aqualisa.co.uk](mailto:enquiries@aqualisa.co.uk)