

Challis Water Controls in association with FM Mattsson (Sweden's largest manufacturer) offer a unique combination of innovative products and in depth technical expertise. This enables us to offer you products that are individually tailored to suit your specific applications with guaranteed performance over the broadest range of conditions.



Commercial  
Housing  
Medical

Scandinavians take this combination for granted which explains why most of their homes and businesses have a Mattsson unit running away working quietly and faultlessly year after year. That is why Mattsson guarantees availability of spares up to 25 years after a model has ceased in production.

Most mixers are designed for use on the perfect system with constant even pressures and flows. In reality the perfect system does not exist. Many mixers can only maintain a consistent performance within a very narrow band of pressure differentials and flows. Mattsson's thermostatic & pressure balance mixers are different in that they can easily cope with differentials of up to 10 bar pressure and flows down to 3 litres per minute enabling them to satisfy the broadest range of applications including the following:



Challis & Mattsson provide you with confidence in specification and peace of mind as standard.

Series	ES2111	ES2111	ES2111
Code	01234	X	

Future  
Water  
Controls



For information and comprehensive brochures

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FM Mattsson  
Sole UK distribution



Commercial  
Housing  
Medical



Whether leisure center, barracks, prisons or hotel, Challis can provide the right water solution for your business. FM Mattsson pride themselves on their state of the art technology and unbeatable durability in whatever application.

A mixer is not just a practical product, but also a part of the interior decoration and one that must feel contemporary for many years. At Challis we can provide the perfect package at the right price for both large-scale projects and smaller developments.

FM Mattsson care units are specifically designed to cover a wide range of medical facility applications from intensive care units to care homes. Our thermostatically & pressure balanced cartridge available in all our mixers is widely regarded as having one of the fastest anti scald protection cut offs in the world.



## Commercial

Within the commercial environment, the most important factors when considering taps and mixers, are undoubtedly safety, reliability, robustness, aesthetics and a long working life. Couple these factors with guaranteed optimum performance throughout the broadest range of conditions, and you have an FM Mattsson unit.

We are not embarrassed to say that our units are over engineered but if they are to provide trouble free service year after year under the most demanding conditions, then they need to be.

Our main aim is to provide our clients with units of unrivalled performance, value for money and reduced whole life cost whilst at the same time constantly striving to exceed our client's expectations.

## Housing

On Time, On Site, On Budget. With Challis the answer is Yes. We would not see the above as pressurisable or unachievable. The fact that we can easily meet your basic requirements enables us to concentrate on the important things such as design and functionality elements that our Swedish technicians take great care

to build into every FM Mattsson unit ensuring that great design never goes out of fashion. Combine these elements with ease of installation and maintenance, and you have fit and forget units that will provide year after year of trouble free use, still looking great when the kids have grown up.

## Medical

Backed up with TMV3 and DOB approvals, FM Mattsson provide the peace of mind that you get with installing one of the safest mixers in the world.

All our units come with specially designed controls that are easy and safe to use. Designed with quick and easy installation and maintenance in mind, Mattsson units combine unrivalled low whole life cost, control and flexibility with peace of mind as standard.

## 5 Year Guarantee

**Temperature Guarantee** - This guarantee applies to safety mixers (pressure balanced thermostatic mixers) in FM Mattsson's 5000 series and Carba and is valid for five years from the day of purchase. This means that the water temperature set will be maintained  $\pm 1^\circ\text{C}$  during the time of use while the water is running even if the pressure and temperature in the pipes varies. If the mixer does not fulfil this specification we will accept responsibility for repairing the fault.

**Calcium Guarantee** - This guarantee applies to safety mixers (pressure balanced thermostatic mixers) in FM Mattsson's 5000 series and Carba and is valid for five years from the day of purchase. The guarantee means that if the smooth functioning of the mixer's control system should be reduced due to a build up of calcium, we will accept responsibility for repairing the fault. For this guarantee to apply the mixer must have been fitted and used correctly.

**Pressure Guarantee** - This guarantee applies to single lever mixers with "geriatric shut-off" function in the Mattsson 5000 series and Carba and is valid for five years from the date of purchase.

This means we will accept responsibility for repairing the fault if the shut-off time is not at least 20 seconds. This is a safety feature that haltsers damaging pressure shocks in the plumbing when shutting off the flow of water.

**ISO 9001 quality standard accreditation**  
**ISO 14001 environment accreditation**  
**WRAS approved**  
**DOB hospital approved**  
**NATO certified (NCAE)**

