

600140

antiscald device



altecnic

# 600140 antiscald device



## Dangers of Hot Water

Hot water can be extremely dangerous especially for young and elderly people, with limited mobility and slower reflexes.

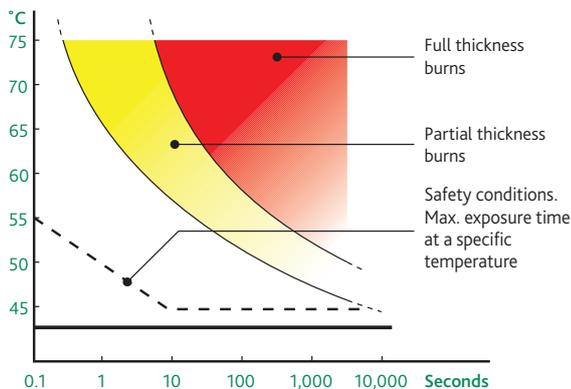
The diagram illustrates how temperatures above 50°C can scald and cause burns very quickly.

For example, at 55°C partial burning will occur in approximately 30 seconds, while at 60°C partial burning will occur in approximately 5 seconds.

For the young and elderly these times on average can be halved.

**A risk assessment should be conducted to determine the most appropriate antiscald device to be used for the various applications to limit the temperature of hot water from taps and showers.**

## Temperature - Exposure time



## Function

The Altecnic antiscald device is used to cut off the flow of water when the temperature exceeds the cut off temperature of 48°C.

Designed for use in domestic hot water systems, the antiscald device should be installed adjacent to the water outlet to prevent the user being scalded.

Supplied with a parallel threaded end complying with BS EN ISO 228-1

## Construction Details

Component	Material	Grade
Body	Brass - chrome plated	BS EN 12164 CW614N
Spring	Stainless Steel	AISI 304

## E & O.E

Altecnic Ltd Mustang Drive, Stafford, Staffordshire ST16 1GW

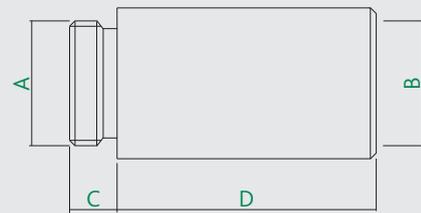
T: +44 (0)1785 218200 E: sales@altecnic.co.uk

Registered in England No: 2095101

altecnic.co.uk

AL 096 21-06-12

## Dimensions



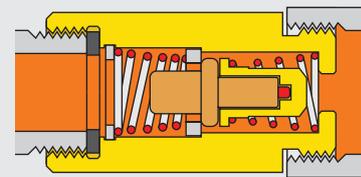
Code	A	B	C	D
600140	G1½B	G½	8	38

## Technical Specification

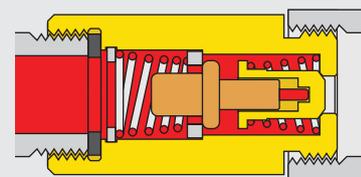
Max. working pressure (static):	10 bar
Max. working pressure (dynamic):	5 bar
Set temperature:	48 ± 1°C
Inlet connection:	½" female
Outlet connection:	½" male
Kv value:	0.8 m³/hr

## Operation

### Open - Water temperature below 48°C



### Closed - Water temperature above 48°C



## Typical Applications

