# **Backflow preventer CAb**

Non controllable backflow preventer with different pressure zones - Family C, type A, class b.



- Designed specifically for integration into wall boiler with maximum power of 70 kW.
- NF EN 14367 approved by CSTB.
- Comply with European standard EN 1717.
- Sanitary approved ACS (F).
- Extra compact size.
- Wide range of tailor-made boiler connections kits specific OEM versions.







### **Application:**

The WATTS CAb device prevents the reverse flow of polluted water from entering into the potable water supply.

Series CAb is an OEM backflow preventer designed specifically for integration into wall boiler with maximum power of 70 kW.

The device is dedicated for heating feed line.

## Why this new backflow preventer?

Further the Formal Vote procedure of the CEN product standard EN 14367, covering CAa (former CA) and CAb (former CB) Watts Industries decided to develop the new CAb product.

The implementation on the French national level in NF045R-4 (22/12/2008) makes this new protection device absolutely necessary.

#### What are the new features of the CAb?

Specifically designed to fully comply with the CSTB specifications:

The new CAb meets the new requirements of Document NF045.

In the French technical dossier NF045 / Document Technique 4 (CA class a & b) there are with regards to the mechanical stress, apart from the requirements from the EN 14367 (bending moment), additional demands for traction on the coupling nut and of torque on the connector.

## Give the maximum performances of security to the end user:

The rules on the maximum overpressure in the intermediate zone have become stricter, from Relief Valve opening < P1+20% to Relief Valve opening < P1+10%.

## Reduce the sanitary risk of bacteria:

Apart from meeting the new EN standards, an extra advantage of the new CAb product is the less rubber surface in-contact-with-drinking water, with less change for growth of bio-film.

# Wide range of connection and complete kits:

Several kits, in tailor-made customer specific OEM versions, are available and can be developed.

## Range:

2230839*Male M10x1Female M10x1Single CAbRaw brass2230846***Male M10x1Female M10x1Single CAbRaw brass2230848Male G1/4Male G1/4Single CAbRaw brass2230850Copper 16mm + Nut G1/2Copper 18mm + Nut G3/4Complete CAb kit with Raw brass2230858Male G1/4 with cone/8.2Cab kit with cone/8.2CAb kit with inlet valveNickel plated2230860G1/4 free nut with spherical sealMale G1/4 with cone/8.2CAb kit with 2 stop valveNickel plated2230861Male G3/8Male G3/8CAb kit with 2 stop valve, special handleRaw brass2230862Custom Push FitMale G1/4Single CAbRaw brass2230864Male G1/4Male G1/4CAb kit with 2 stop valveRaw brass2230867Custom Fitting with groveCustom Fitting with groveCAb kit with 2 stop valve, special handleRaw brass2230870Male G3/8Male G3/8Single CAbRaw brass2230871Male G1/4Male G1/4CAb with outlet fittingRaw brass2230887KCopper tube with comp. ring and M10x1 nutMale G1/4Complete CAb kit with outlet valveRaw brass2230892KMale M10x1Male G1/4CAb kit with outlet valveRaw brass					
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<sup>\*</sup>packing box of 50 pieces - \*\*packing rack of 150 pieces



# **OEM** integration for boiler:

Several tailored boiler connections kits available: with or without isolating valves, special plastic valve handle, copper pipe according exact system boiler requirement ...





packing box of 50 pieces

ref. 2230846

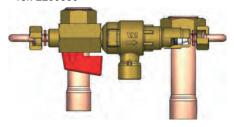


packing rack of 150 pieces

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ref. 2230850



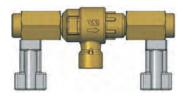
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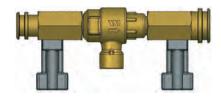
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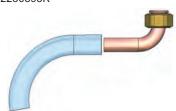
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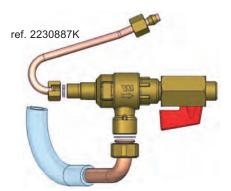


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ref. 2230893K







## **Construction:**

description	material			
It consists of an extra compact brass body, with plastic check valves, and stainless steel prings.				
Body	brass CW617N			
Spring	stainless steel			
Check-valves	POM			
Seals	EPDM			

#### **Features:**

- · Minimal moving parts and simplified construction.
- · Ensures superior reliability and longevity.
- Complies with the French NF antipollution standard NF045.
- NF EN 14367 approved by CSTB.
- 100% factory tested (AMDEC system factory ISO 9001:2008 certified).
- · Materials are sanitary approved: ACS (F).

## **Benefits for the manufacturer-fitter:**

Reliable: high quality components, know how and expertise guaranteed by the leading manufacturer of backflow protection devices in the World.

Easy assembly: standard connection, light weight, and tailor-made kits.

Outstanding customer service: product widely distributed across Europe, always close to your manufacturing plant.

### **Technical Specifications:**

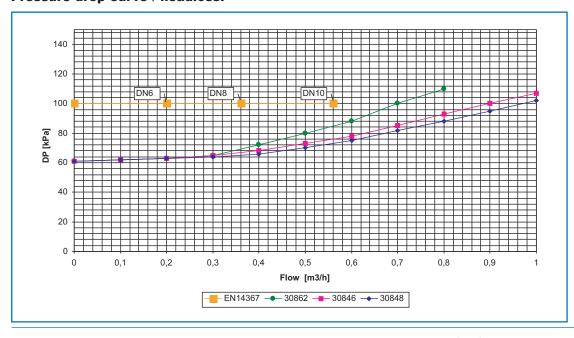
Maximum temperature: 65°C.
Maximum pressure: 10 bar.

· Medium: water.

• Working pressure: PN10.

• CAb must be combined with 2 isolating valves.

# Pressure drop curve / headloss:



The photographs, illustrations and descriptions contained in this brochure are given for information only. Watts Industries reserves the right to change the technical specifications or the design of these products without prior notice.



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