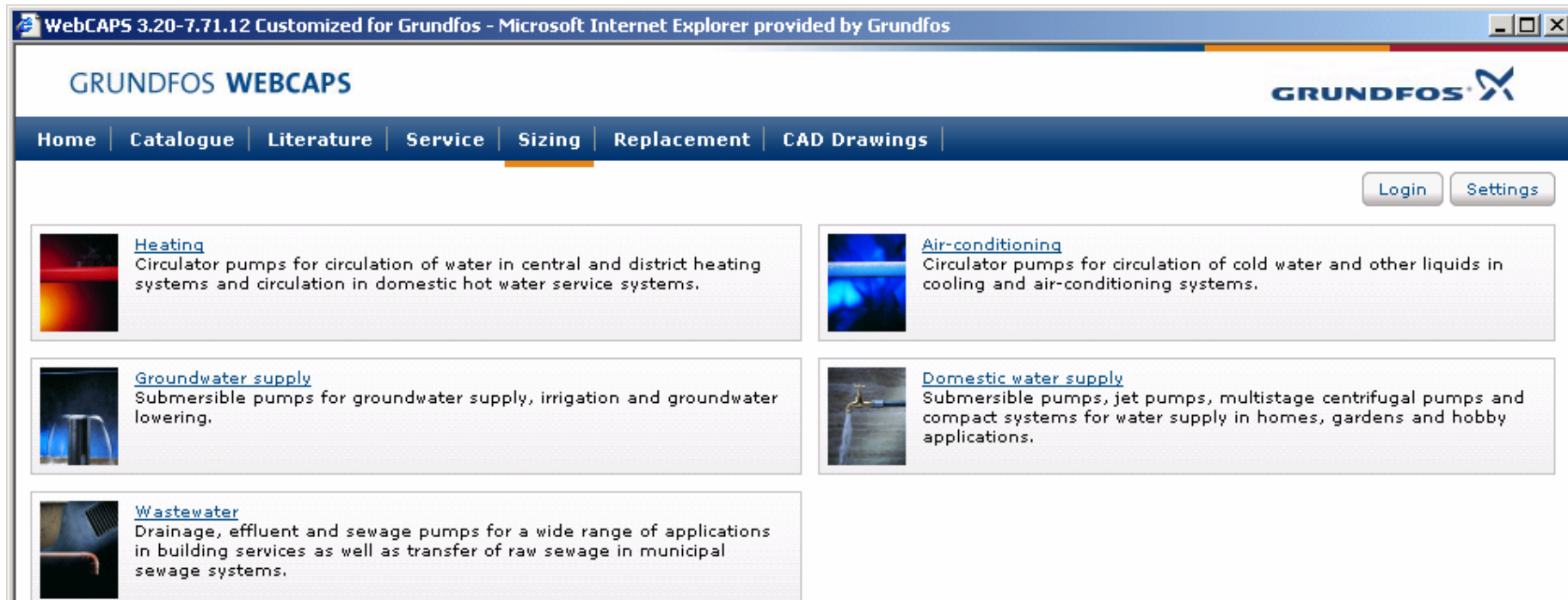


## Sizing for Heating and Air-conditioning available in WebCAPS!

Grundfos has now added a user-friendly sizing tool for heating and air-conditioning applications in WebCAPS. It is based on the extensive application knowledge and know-how Grundfos has accumulated during its more than 60 years of experience in this industry.



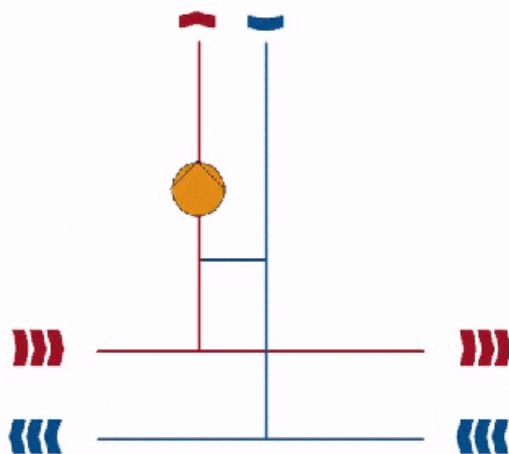
After selecting your business area and application area, a wizard guides you through the sizing process before presenting you with a recommendation for the pump that best serves your requirements.

The wizard process contains a limited number of steps where you define your requirements for the pump you seek. The basic requirement concerns Flow and Head and afterwards you simply click the 'Next' button to go to the next step of the wizard or click the 'Start sizing' button to get a sizing recommendation straight away.

Heating > Commercial buildings > Mixing Loop

Flow (Q): 15 m<sup>3</sup>/h      Head (H): 10 m

Max. operation pressure: 10 bar



### Your Requirements

Flow (Q)  m<sup>3</sup>/h

Head (H)  m

Max. liquid temperature  °C

Max. operation pressure  bar

Min. inlet pressure  bar

Max. inlet pressure  bar



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Next >

Start sizing

Based on your input and requirements, WebCAPS presents you with a recommendation for the pump that best matches your needs:

WebCAPS 3.20-7.71.12 Customized for Grundfos - Microsoft Internet Explorer provided by Grundfos

**GRUNDFOS WEBCAPS** 


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Login Settings

Heating > Commercial buildings > Mixing Loop

**Input overview:**

<b>Select Type of Installation</b>	
	Distribution Mixing Loop
<b>Your Requirements</b>	
Flow (Q)	15 m <sup>3</sup> /h
Head (H)	10 m
Max. liquid temperature	60 °C
Max. operation pressure	10 bar
Min. inlet pressure	bar
Max. inlet pressure	bar
<b>Control Mode</b>	
Decrease at low flow	Prop. pressure 50 %
Type of Frequency Converter	
<b>Edit Load Profile</b>	
Pump operating time	1000 h/a
<b>Configuration</b>	
	Single
Preferred number of poles	
<b>Pump design</b>	
Pump material	
Inline Canned Rotor	Yes
Inline	Yes
<b>Operational Conditions</b>	
Frequency	50 Hz

 [96504872](#) | MAGNA 50-120 F [Alternatives](#)

**Grundfos recommends:**

**1 MAGNA 50-120 F**  
Product number: 96504872, Price: On request  
Total: On request

**MAGNA 50-120 F**  
The pump is of the canned rotor type, i.e. pump and motor form an integral unit without shaft seal and with only two gaskets for sealing. The pumped liquid lubricates the bearings. In order to avoid problems in connection with disposal, great importance has been attached to using as few different materials as possible. A pump with no maintenance requirements and extremely low Life Cycle Cost.

The pump is characterized by:

- \* Electronically Commutated Motor (ECM) with permanent magnet rotor
- \* Pump controller integrated in the terminal box
- \* Ceramic radial bearings
- \* Carbon axial bearing
- \* Stainless steel rotor can, bearing plate and rotor cladding
- \* Aluminium alloy stator housing
- \* Cast iron pump housing
- \* Protected against overload

The pump is a single-phased. The motor does not require external motor protection. Grundfos MAGNA - part of Series 2000 pumps - feature automatic control of differential pressure through adaptation of pump performance to actual heat requirement without the need for connection of external components. Four control modes are available:

- \* AUTO mode (self-regulating from "one proportional pressure curve to another") to optimise comfort and reduce energy.

Print /PDF Step 9 of 14 << < Back Next > Start sizing

To confirm the recommended pump is the optimum pump for your installation, you can also perform a Life Cycle Cost analysis, where you can compare the recommended pump with an existing pump or a pump from another manufacturer. WebCAPS provides you with a detailed overview as well as graphs to be included in the printout.

