

Smedegaard Introduces a New Range of Circulators Energy Class A. Our pump range covers many dimensions, pipe sizes and capacities for use in both existing and new applications. The capacity is set automatically and adjusts to the required system needs. No extra modules are needed- all signal inputs are available inside the terminal box



# SimFlex in Energy Class A

## SimFlex now in Energy Class A

To meet the increased requirements for energy conservation and reduction of CO<sub>2</sub> emissions the self regulating SimFlex Range pump has been further enhanced with an entirely new permanent magnet motor technology allowing low RPM. From January 2013 the EU has legislated that all wet running circulators installed in central heating systems must be Energy Class A. Smedegaard SimFlex A models are all in accordance with these new requirements

## All signals are integrated - no extra modules are necessary

The new SimFlex A models are supplied as standard with the most common forms of control such as, 0-10 volt signal, start-stop signal, alarm.

## Motors with low rpm

The construction of the new SimFlex A pumps is based upon 60 years of experience in the manufacture of circulators with low rpm, which in operation ensures longer life, quieter operation and low energy consumption.

The new motor and inverter technology ensures rapid adjustment of the pump operating point which provides extra energy savings.

## Simple operation

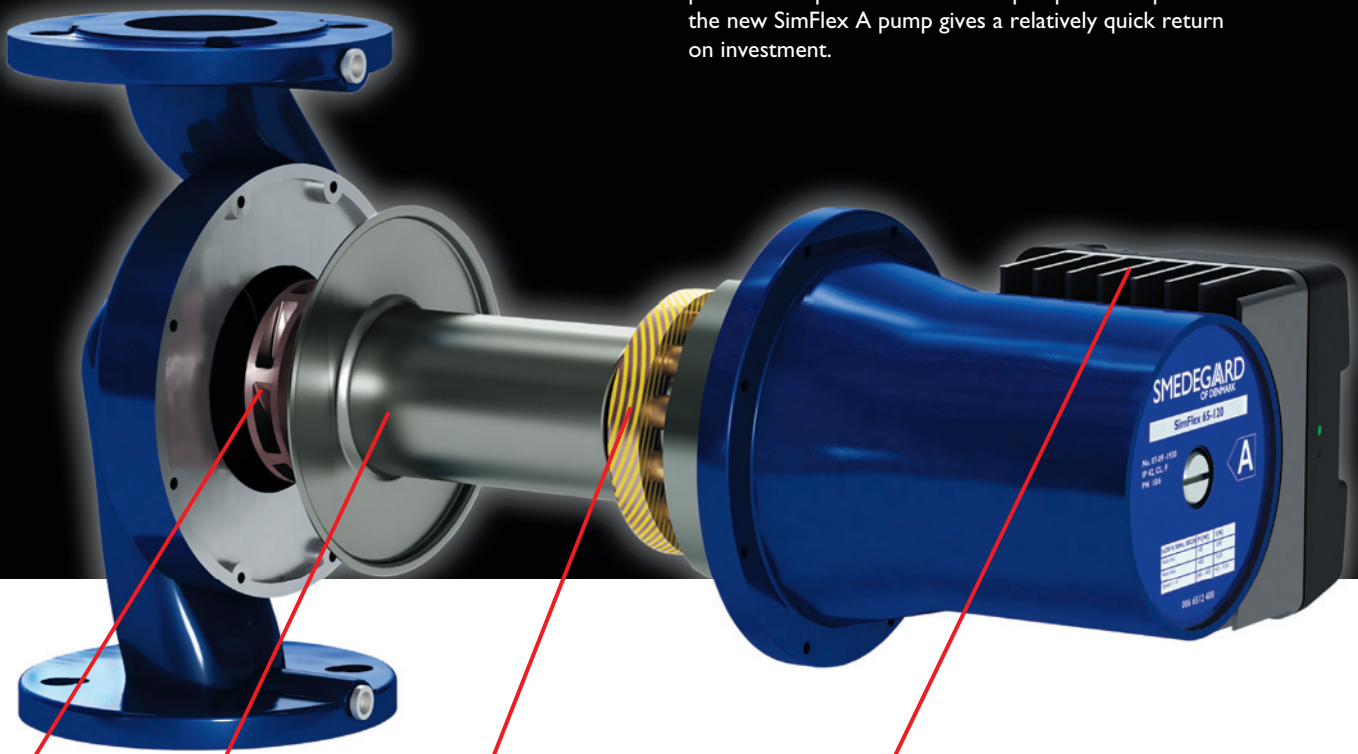
All programming and adjustments are done using of the blue control knob situated on the terminal box. No complicated programming is required.

## 3 year warranty

Parts inside the pump are of stainless steel, having a stainless steel shaft and high quality carbon bearings which reduce noise and vibration, thereby ensuring longevity. The development of the pump and motor has taken place at our head office in Glostrup, Denmark, with production of the pumps being in our own factory, which is located in Switzerland. Each pump including the electronic inverter is fully tested before leaving the factory.

## Price

With a new SimFlex A pump savings up to 80% are possible compared to a standard pump and the price of the new SimFlex A pump gives a relatively quick return on investment.



The Pump casing and impeller are optimised to use less energy.

Smedegaards unique TUT seal combined with stainless steel components ensure minimum contamination of the rotating parts.

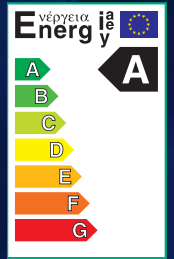
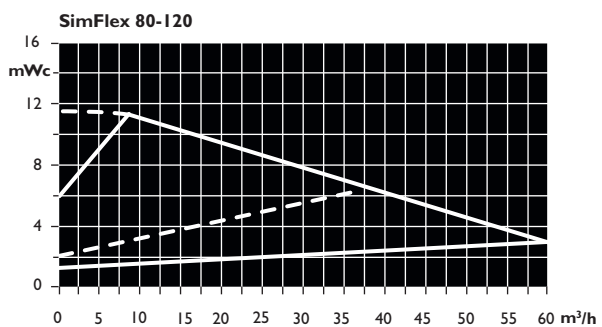
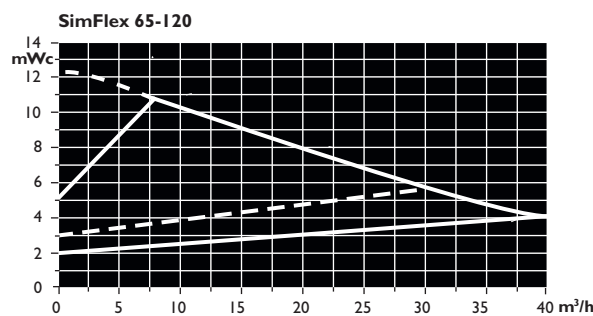
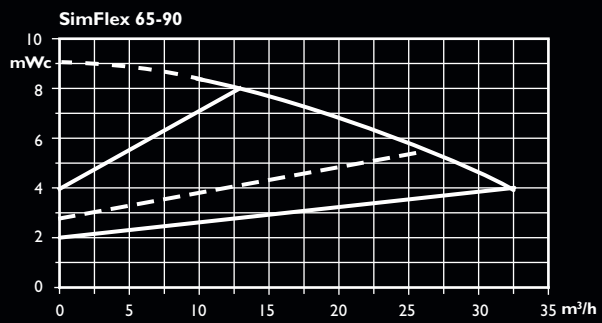
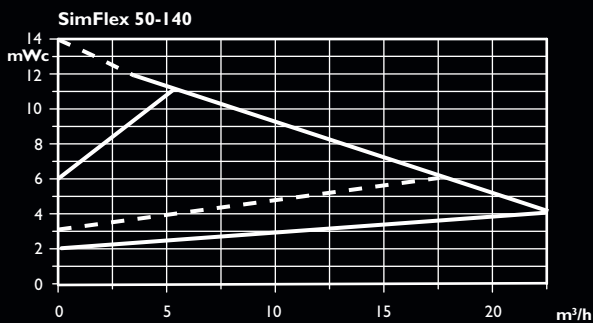
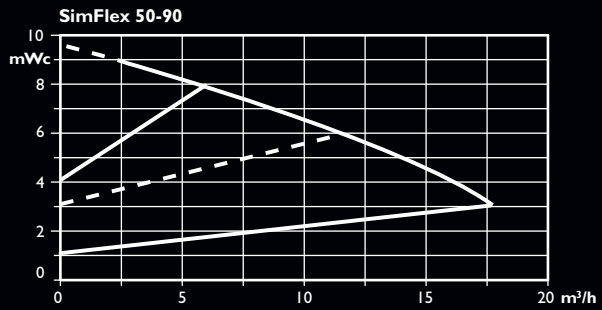
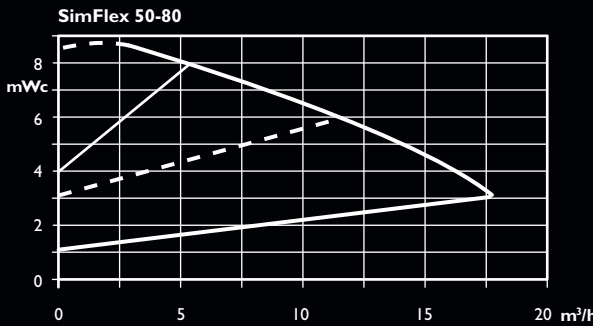
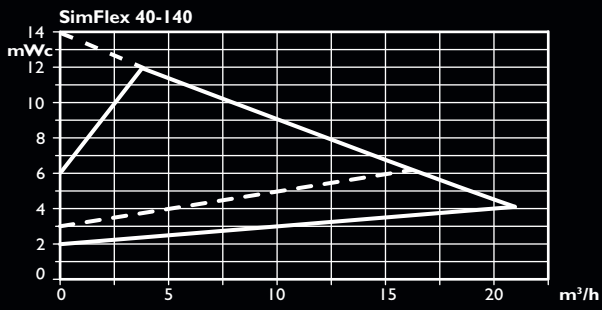
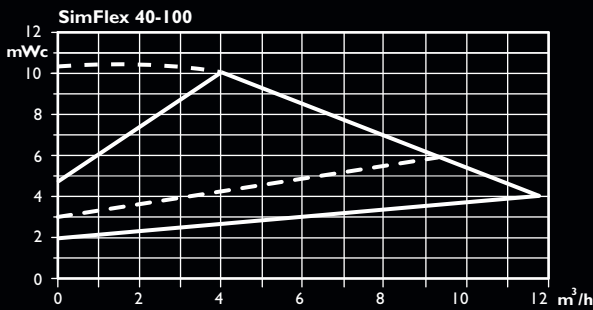
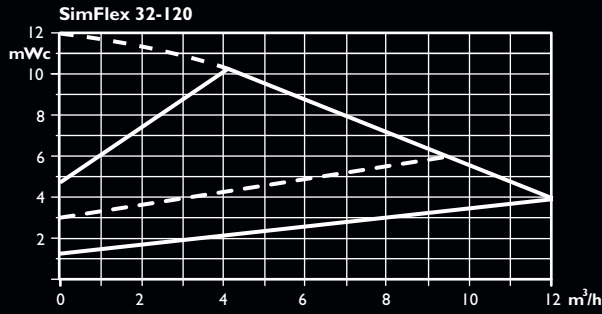
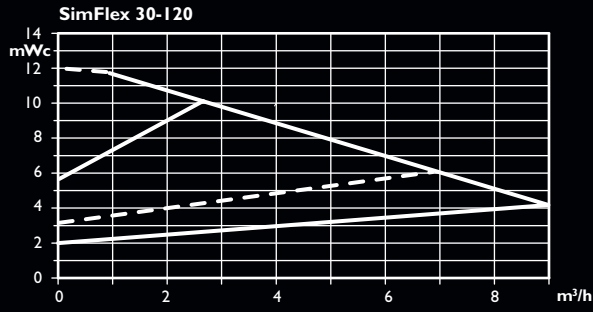
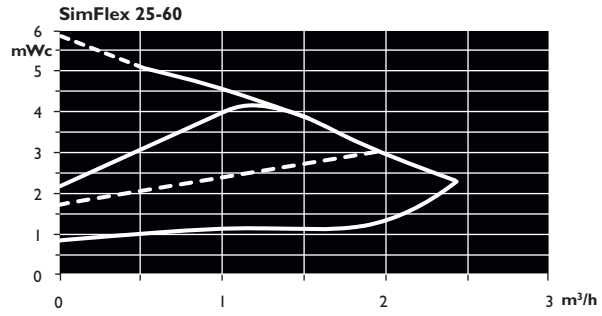
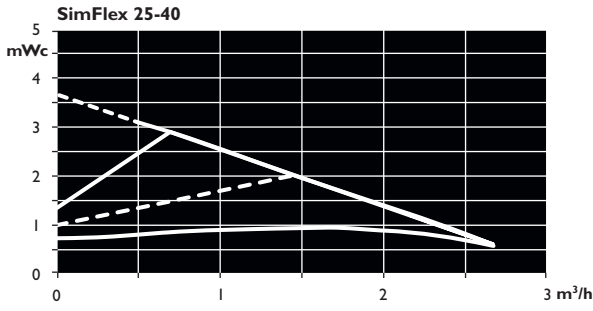
Slow-revolving permanent magnet motors ensure long life and quiet operation

Electrical connections are made much easier with the provision of a loose plug-in connector

Fast and precise automatic capacity adjustments in response to changing operational conditions give increased energy savings

Alarm signal  
0-10V signal  
Start-Stop signal  
Communications between pumps  
All in One

# Pump curves



- Better energy efficiency
- Better environment
- Better economy



Smedegaard SimFlex	Smedegaard EV	Grundfos Magna/ Alpha	Grundfos UPS
Simflex 25-40	EV 2-65, Vario 25	Alpha 2 25-40	UPS 25-40
Simflex 25-60	EV 2-70 - Vario 75	Alpha 2 25-60	UPS 25-60
Simflex 30-120	EV 3-100	Magna 32-100	
Simflex 32-120		Magna 32-120	UPS 32-120
Simflex 40-100	EV 4-75	Magna 40-100	UPS 40-60
Simflex 40-140	EV 4-95-2	Magna 40-120	UPS 40-120
Simflex 50-80	EV 5-100-4		
Simflex 50-90	EV 5-125-4	Magna 50-60, Magna 50-100	UPS 50-60
Simflex 50-140	EV 5-88-2, EV 5-95-2	Magna 50-120	UPS 50-120
Simflex 65-90	EV 6-125-4 - EV 6-160-4	Magna 65-60	UPS 65-60
Simflex 65-120	EV 6-95-2, EV 6-110-2	Magna 65-120	UPS 65-120
Simflex 80-120	EV 8-125-4,*** EV 8-160-4	UPE 80-120	UPS 80-120
Simflex 80-120	EV 8-95-2, EV 8-100-2	UPE 80-120	UPS 80-120
Simflex 80-120	****EV 8-200-4 / EV 8-120-2	UPE 80-120	UPS 80-120

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Power supply for all SimFlex models is 1x230V, 50Hz.

- \* Extension flange 50 mm 280-300mm
- \*\* Extension flange 65 mm 340-370mm
- \*\*\* Extension flange 80 mm 360-390mm
- \*\*\*\* Extension flange 80 mm 360-440mm