

IMPORTANT MESSAGE!

From January 2013 new rules will apply for all **glandless circulator** pumps supplied to the HVAC market in the UK.



WHAT IS CHANGING?

The system of defining circulator pumps on their energy usage by the A-G grading system will be replaced in 2013 by European legislation (EuP directive). The EuP directive defines a value of operational efficiency that new glandless circulators placed on the market must be capable of meeting.

SO HOW DOES THIS AFFECT THE PRODUCTS BEING OFFERED TO THE MARKET?

Many of the existing glandless circulator models sold today will need to be replaced by glandless circulator models capable of meeting the new efficiency levels. The following changes in Grundfos product ranges must occur on or before January 1st 2013.

- The domestic heating products UPS 15-50 and UPS 15-60 models will be replaced by the Grundfos ALPHA2 15-50 and 15-60 models.
- All of the current UPS heating pumps will be replaced by the Grundfos MAGNA products.
- From November this year there is a new range of products being introduced to the market called MAGNA3. The MAGNA3 models have a higher efficiency rating than the current Grundfos MAGNA product range
- All MAGNA glandless circulators are suitable for 240V 1Phase 50Hz electrical systems. They are not suitable for 415V 3 Phase 50Hz electrical supplies.

WHAT CAN I DO ABOUT REPLACING 3 PHASE UPS MODELS?

- Convert the electrical supply from 3 phase to 1 phase at the design stage.
- Alternatively convert to an equivalent Grundfos TP pump size for any 3 phase models that are specified for installation in 2013.

The Grundfos TP product range is not affected by the EuP directive as they are not **glandless circulator** designs.



A little more about ALPHA2, MAGNA and MAGNA3

Grundfos ALPHA2 is the latest version of the world's best selling Grundfos UPS 15-50 and UPS 15-60 domestic circulators. Easy to install into the same pipework or even the same pump housing as their predecessors, over 2 million reliable and energy efficient ALPHA2 pumps are already saving customers money.



Grundfos MAGNA and MAGNA3 products are a combination of the latest in electronic pump control and material technology. Permanent magnet motors and variable speed operation reduce electrical energy consumption to levels that meet 2015 EuP levels today, while proportional, constant pressure and self-optimising "AUTOADAPT" control ensure flexibility and easy setup. MAGNA3 adds even more efficient electronics and hydraulics, delivering typical total energy savings of 80% compared to commercial UPS generation products.



UPS Models	Equivalent ALPHA Models
UPS 15-50	ALPHA2 15-50
UPS 15-60	ALPHA2 15-60

UPS Models	Equivalent MAGNA Models
UPS 25-55	MAGNA 25-60
UPS 25-80	MAGNA 25-80
UPS 25-100	MAGNA 25-100
UPS 32-55	MAGNA 32-60
UPS 32-80	MAGNA 32-80
UPS 32-100	MAGNA 32-100
UPS 40-50	MAGNA 40-80 F + Spacer 96281076
UPS 40-80	MAGNA 40-80 F + Spacer 96281076
UPSD 40-50	MAGNA D 40-100 F + Spacer 96281076
UPSD 40-80	MAGNA D 40-100 F + Spacer 96281076

* On these 40mm MAGNA3 models an additional spacer kit for replacement purposes may be required. Code number 96281076.

**On these 50mm MAGNA3 models an additional spacer kit for replacement purposes may be required. Code number 96281077.

Single Phase UPS Models	Equivalent MAGNA Models	Equivalent MAGNA3 Models
UPS(D) 32-30/4	MAGNA(D) 32-120	MAGNA3 (D)32-120
UPS(D) 32-60/2	MAGNA(D) 32-120	MAGNA3 (D)32-120
UPS(D) 32-120/2	MAGNA(D) 32-120	MAGNA3 (D)32-120
UPS(D) 40-30/4	MAGNA(D) 40-120	MAGNA3 (D)40-80*
UPS(D) 40-60/4	MAGNA(D) 40-120	MAGNA3 (D)40-80*
UPS(D) 40-60/2	MAGNA(D) 40-120	MAGNA3 (D)40-80*
UPS(D) 40-120/2	MAGNA(D) 40-120	MAGNA3 (D)40-120
UPS(D) 40-180/2		MAGNA3 (D)40-150
UPS(D) 40-185		MAGNA3 (D)40-180
UPS(D) 50-30/4	MAGNA(D) 50-60	MAGNA3 (D)50-40**
UPS(D) 50-60/4	MAGNA(D) 50-60	MAGNA3 (D)50-60**
UPS(D) 50-60/2	MAGNA(D) 50-60	MAGNA3 (D)50-60**
UPS(D) 50-120/2	MAGNA(D) 50-120	MAGNA3 (D)50-120
UPS(D) 50-180/2		MAGNA3 (D)50-150
UPS(D) 50-185		MAGNA3 (D)50-180
UPS(D) 65-30/4	MAGNA(D) 65-60	MAGNA3 (D)65-40
UPS(D) 65-60/4	MAGNA(D) 65-60	MAGNA3 (D)65-60
UPS(D) 65-60/2	MAGNA(D) 65-60	MAGNA3 (D)65-60
UPS(D) 65-120/2	MAGNA(D) 65-120	MAGNA3 (D)65-120

MAGNA3 are available in single phase electrical supply.

The table below shows the equivalent models of MAGNA3 for respective three phase UPS models. Before selecting a MAGNA3 model first ensure that the electrical supply on site can be suitably modified to a single phase supply.

Three Phase UPS Models	Equivalent MAGNA3 Models
UPS(D) 32-30/4	MAGNA3 (D)32-120
UPS(D) 32-60/2	MAGNA3 (D)32-120
UPS(D) 32-120/2	MAGNA3 (D)32-120
UPS(D) 40-30/4	MAGNA3 (D)40-80*
UPS(D) 40-60/4	MAGNA3 (D)40-80*
UPS(D) 40-60/2	MAGNA3 (D)40-80*
UPS(D) 40-120/2	MAGNA3 (D)40-120
UPS(D) 40-180/2	MAGNA3 (D)40-150
UPS(D) 40-185	MAGNA3 (D)40-180
UPS(D) 50-30/4	MAGNA3 (D)50-40**
UPS(D) 50-60/4	MAGNA3 (D)50-60**
UPS(D) 50-60/2	MAGNA3 (D)50-60**
UPS(D) 50-120/2	MAGNA3 (D)50-120
UPS(D) 50-180/2	MAGNA3 (D)50-150
UPS(D) 50-185	MAGNA3 (D)50-180
UPS(D) 65-30/4	MAGNA3 (D)65-40
UPS(D) 65-60/4	MAGNA3 (D)65-60
UPS(D) 65-60/2	MAGNA3 (D)65-60
UPS(D) 65-120/2	MAGNA3 (D)65-120
UPS(D) 65-180/2	MAGNA3 (D)65-150
UPS(D) 65-185	MAGNA3 (D)65-150
UPS(D) 80-30	MAGNA3 (D)80-40
UPS(D) 80-60/4	MAGNA3 (D)80-60
UPS(D) 80-120/2	MAGNA3 (D)80-120
UPS(D) 100-30/4	MAGNA3 (D)100-40