Unity Lab Services

Part of Thermo Fisher Scientific

Product Line: Bulletin Number: General purpose 1401-CEN-OHA-0544 Centrifuge revised 3rd

Service Bulletin Issue Date: 03/06/15 "DD/MM/YY"

Page Number:

Technical

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Title: New improved gas spring design for improved reliability

Subject Inform the field that a new gas spring has been designed to increase the

reliability.

Description: Gas spring life on the General Purpose centrifuges can be variable, due to

installation tolerances and uneven lifting pressure on lid. This could lead to uneven pressure on the gas spring, resulting in increase wear to one side of the

o-ring and eventually loss of gas and pressure.

The new gas spring system includes a bracket with ball head joint. This allows for improved tolerances during installation and allows more movement with uneven pressure, therefore wear will be evenly loaded on the gas spring and the o-ring will be less susceptible to premature wearing, improving the reliability and life of the gas springs.

Exchange of the new gas spring has also been improved, as this is now threaded. Therefore it can be easily exchanged by removing the notch pin and screwing the gas spring out. Installation is simply in reverse order.

A good gas spring lifts the lid a few centimeters out of the latch system when the open lid button is depressed. The gas spring should hold the lid in any vertical position that it is lifted to. If a gas spring is unable to maintain the lifted position, it should be exchanged.

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Models Affected: Models:

> Heraeus: Multifuge: X1/X1R

Megafuge: 16/16R

Sorvall: Legend: X1/X1R

ST16/ST16R

ThermoSci: SL16/SL16R

Production Range: All GP1 centrifuges staring with serial number: 41622041 and higher have

been produced with the new gas spring.

Resolution: Gas springs are available for the GP1 versions, for GP3/4 see bulletin 1406-

CEN-OHA-0557.

!!! THE GAS SPRING IS NOT PART OF THE SERVICE KIT 70904682 !!!

New gas spring is available as a single part or a kit which makes it possible to

install new gas spring to units with old gas spring. See list below.

Version:	Change OLD to NEW:	Replace NEW with NEW	
Ventilated GP1	70900137	50143277	
Refrigerated GP1	70900138	50143277	

The kits includes the gas spring, metal sheet with ball head, screws and the adapter (for ventilated or refrigerated version) to install the new system in an old unit. A very small number of centrifuges have only one thread, and the other one is missing. In case you have a centrifuge with one hole, please use the adapter plate as a template to drill the hole and thread to the missing position or use the dimensions given in the below pictures.

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For additional questions, please contact your local service group.

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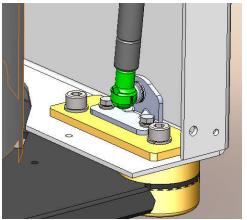
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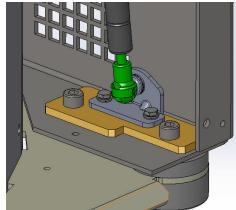
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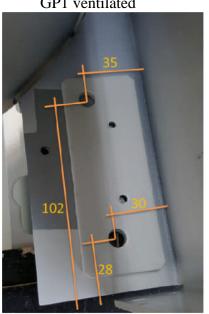
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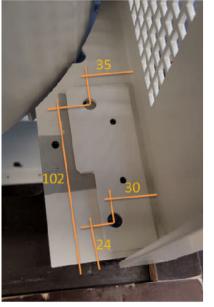




GP1 ventilated



GP1 refrigerated



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