

Instruction on Changing the Orifice Plate

For NK Evaporator Units

NK系列冷风机更换分液器孔板操作说明

THANK YOU for purchasing the "NK Evaporator(s)" supplied by Beijer Ref (Wuxi).

Please familiarise yourself with the following important notes. If you use R404A refrigerant, it is necessary to change the factory-fitted orifice plate. You can find the orifice plate in the plastic bag.

Please refer to the table attached at the end of this document.

感谢使用百尔制冷（无锡）有限公司提供的“NK”系列冷风机，请阅读下面重要说明。

如果您使用R404A制冷剂，则必须更换工厂预安装的孔板，您可以在随机塑料袋中找到附带的孔板。孔板信息请参考本文档结尾处的表格。

IMPORTANT NOTES:

There are two methods you may use to change the orifice plate.

重要说明：

您可以使用下面两种方法来更换孔板。

METHOD A:

1. Release the internal pressure charge.
2. Cut the tube pre-fitted on the distributor to a length that long nose pliers may reach and detach the retainer ring.
3. Use long nose pliers to detach the retainer ring
4. Use the two bolts (thread size of 6-32: 0.138 inch diameter, 32 threads per inch) supplied in the plastic bag to remove the orifice plate. Refer to the picture.
5. Fit the new orifice plate and the retainer ring.
6. Solder a properly selected TX valve onto the tube directly.
7. If an elbow is to be fitted between the distributor and the TX valve, a minimum 100mm straight length is recommended between the distributor and the elbow.
8. During any soldering, Nitrogen shall be used to prevent oxidation on the internal tube surface.

方法A:

- 1、释放产品内部的压力。
- 2、将分液器上的进液铜管切短，让长嘴钳能够伸到孔板卡环处。
- 3、用长嘴钳将孔板卡环取出。
- 4、使用随机塑料袋中附带的两个螺栓（螺纹规格6-32：M3.5，每英寸螺纹数32）取出孔板，请参考附图。
- 5、安装新的孔板，并使用孔板卡环将其固定。
- 6、将合适的膨胀阀焊接到分液器进液管上。
- 7、如果分液器和膨胀阀之间必须有弯管存在，那么分液器前至少要有100mm的直管段。
- 8、焊接时，请往管内通入氮气进行保护，防止氧化。

METHOD B:

1. Release the internal pressure charge.
2. Unsolder the tube pre-fitted on the distributor.
3. Use long nose pliers to detach the retainer ring.
4. Use those two bolts (thread size of 6-32: 0.138 inch diameter, 32 threads per inch) supplied in the plastic bag to remove the orifice plate. Refer to the picture.



5. Fit the new orifice plate and the retainer ring.
6. You may resolder the tube back onto the distributor, or solder a properly selected TX valve onto the distributor directly.
7. Be cautious when soldering and unsoldering around the distributor because pre-fitted distributor leads might be damaged due to high heat.
8. During any soldering and unsoldering, Nitrogen shall be used to prevent oxidation on the internal tube surface.

方法B:

1. 释放产品内部的压力。
2. 将焊在分液器上的进液管焊下。
3. 使用长嘴钳取下孔板卡环。
4. 使用随机塑料袋中附带的两个螺栓（螺纹规格6-32: M3.5, 每英寸螺纹数32）取出孔板，请参考附图。
5. 安装新的孔板，并使用孔板卡环将其固定。
6. 可以将进液管重新焊接到分液器上，也可以将合适的膨胀阀直接焊接到分液器上。
7. 在对分液器进行焊接操作时，请谨慎小心，防止分液器由于被过度加热而损坏。
8. 焊接时，请往管内通入氮气进行保护，防止氧化。

You may contact your local branch, or sales & application engineers for further assistance.
 您可以联系当地分公司、销售或者应用工程师以获得更多协助。

Model 型号	Orifice in Bag 袋中的孔板	Application Range 应用范围	Model 型号	Orifice in Bag 袋中的孔板	Application Range 应用范围
3x8D C2S	FA12	1、 To be used for R404A 2、 Refer to the hand-book for room temp condition 1、 适用于R404A 2、 参考操作说明手册查询室温等使用条件	3x8D C1R	FA40	1、 To be used for R404A 2、 Refer to the hand-book for room temp condition 1、 适用于R404A 2、 参考操作说明手册查询室温等使用条件
3x6D B3C	FA15		1x8D C2C	FC12	
2x8D C1S			FC15	3x6D B2C	
2x6D B3S				1x8D C2L	
4x8D C2S				3x6D B2L	
4x6D B1R	FA17			2x6D B1C	
2x6D B2C			3x6D B3S		
3x8D C2C			1x8D C2R		
4x6D B3C			3x6D B2R		
2x8D C2S	FA20		2x6D B1L	FC20	
2x6D B3C			4x6D B3S		
2x8D C1C			4x6D B2L		
3x8D C1S			2x6D B2R		
2x6D B3L	4x6D B2R				
3x8D C2L	1x6D B3C		FC8		
4x6D B3L	1x6D B3S			FE10	
4x6D B3R	1x6D B3R				
3x8D C2R	1x6D B3L				
2x8D C1L	3x6D B2S		FE15		
3x6D B1R	4x8D C2R			FA35	
4x8D C2L	3x6D B3L				
2x8D C1R	2x8D C2R				
2x6D B1S	FC10	2x8D C2L			
1x8D C2S					