



**ED6000/ED6100**



## **Service instruction Service Kit**

11/12

### **GENERAL OPERATION**

The KAPTIV-CS (Compact Solution) removes all types of condensate from compressed air systems up to 100 m<sup>3</sup>/min. without the loss of compressed air.

The KAPTIV-CS is cost effective and offers a rapid pay-back period due to a competitive pricing level, low stocking cost, zero air-loss and energy saving aspects.

The compact robust industrial housing, the 2/2 way direct acting valve, the alarm (NC or NO) and the integrated mesh strainer make the KAPTIV-CS a reliable draining solution.

The alarm function can be connected to any alarm device.

# SAFETY INSTRUCTIONS

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## SAFETY AND PROPER USAGE

To ensure safe and enduring performance of this product, you must comply strictly with the instructions enclosed herein. Non-compliance with instructions or improper handling of the product will void your warranty! This product is designed to drain condensate from compressed air systems. Usage of this product in conditions not specified in this manual or in contrary to the instructions hereby provided is considered IMPROPER. The manufacturer will not be held liable for any damages resulting from improper use of the product.

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## SAFETY & WARNING INSTRUCTIONS

### ATTENTION

- Observe valid and generally accepted safety rules when planning, installing and using this product.
- Take proper measures to prevent unintentional operation of the product or damage to it.
- Do not attempt to disassemble this product or lines in the system while they are under pressure.
- Always depressurise the compressed air system before working on the system.

**It is important that personnel use safe working practices and observe all regulations and legal requirements for safety when operating this product. When handling, operating or carrying out maintenance on this product, personnel must employ safe engineering practices and observe all local health & safety requirements & regulations. International users refer to regulations that prevail within the country of installation. Most accidents, which occur during the operation and maintenance of machinery, are the result of failure to observe basic safety rules or precautions. An accident can often be avoided by recognising a situation that is potentially dangerous. Improper operation or maintenance of this product could be dangerous and result in an accident causing injury or death. The manufacturer cannot anticipate every possible circumstance, which may represent a potential hazard. The WARNINGS in this manual cover the most common potential hazards and are therefore not all-inclusive. If the user employs an operating procedure, an item of equipment or a method of working which is not specifically recommended by the manufacturer he must ensure that the product will not be damaged or made unsafe and that there is no risk to persons or property.**

**WHAT IS SUPPLIED IN THE SERVICE KIT?**



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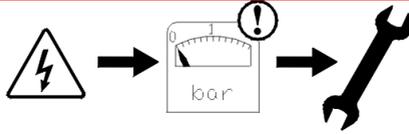
**OPTIONALLY AVAILABLE**



# KAPTIV-CS EXPLODED VIEW



## SERVICE INSTRUCTIONS

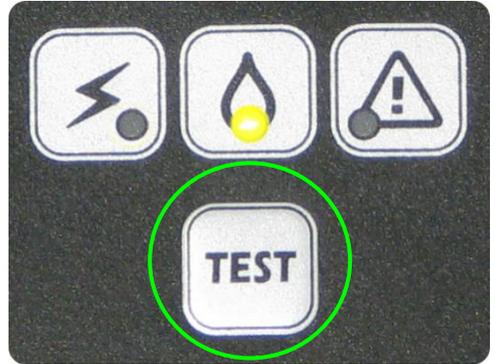


***Depressurise the system before installation or maintenance is carried out!***

1. Close the condensate supply.



2. Press the TEST button to empty the unit of any residual condensate and to depressurise the KAPTIV-CS.



3. Unscrew the connector screw(s) and remove the power cable, and optional alarm cable.



4. Loosen the tube clamp.

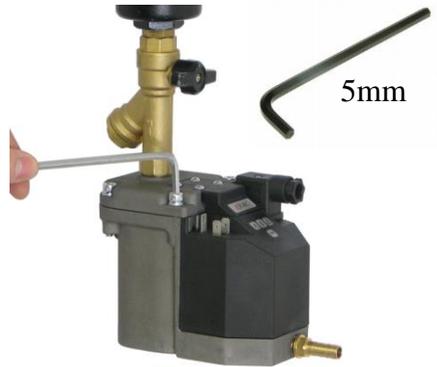


## SERVICE INSTRUCTIONS

5. Remove the outlet tube.



6. Unscrew the four housing bolts, using a 5mm Allen key.



7. Remove the bottom housing part from the top part.



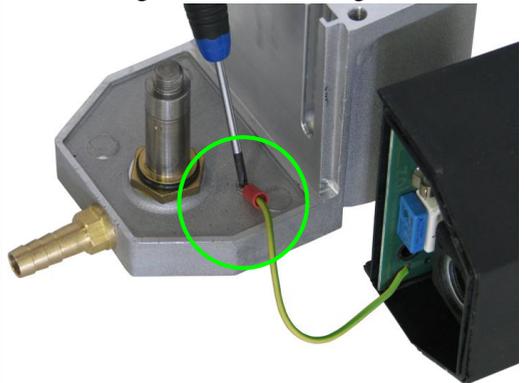
8. If needed, replace the ***optionally available*** small O-Ring on the sensor module. ***Use a lubricant for proper sealing.***



9. Slide the electronics compartment upwards away from the housing.



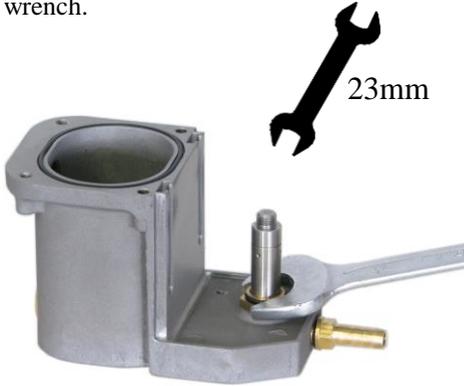
10. Unscrew the earth cable screw and place the electronics compartment aside where it will not get wet and/or damaged.



**WARNING:** the electronics compartment is attached to the bottom housing part by a cable (see Exploded View page 4). Do not damage this cable!

## SERVICE INSTRUCTIONS

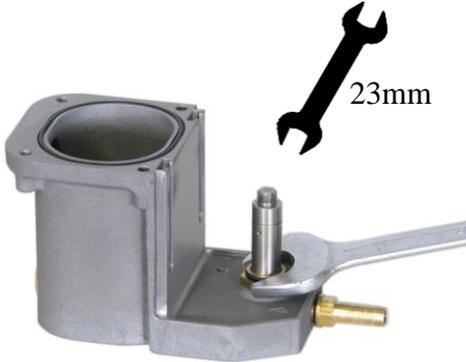
11. Unscrew the valve shaft, using a 23mm wrench.



12. Replace the valve parts with the parts supplied in the service kit (see Exploded View page 4 for details).



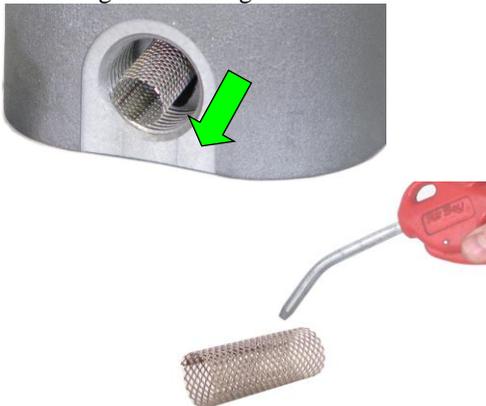
13. Tighten the valve shaft, using a 23mm wrench. **Max Torque 10Nm.**



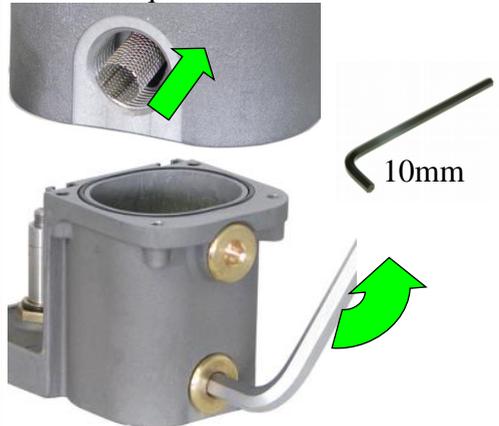
14. Unscrew the lower inlet plug using a 10mm Allen key.



15. Remove the mesh strainer and clean it by using a small air-gun.



16. Replace the mesh strainer and tighten the inlet plug, using a 10mm Allen key. **Max. Torque 10Nm.**

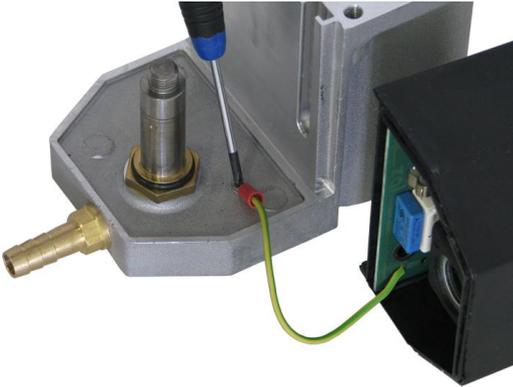


## SERVICE INSTRUCTIONS

17. If needed, replace the **optionally available** large housing O-ring with the one supplied in the service kit. ***Use a lubricant for proper sealing.***



19. Replace the earth cable and tighten the screw to fix the electronics module to the housing bottom part.



21. Replace the bottom part of the housing. Make sure the sensor does not get damaged!



18. If needed, replace the **optionally available** electronics gasket under the electronics compartment by the electronics gasket supplied in the service kit. ***Use a lubricant for proper sealing.***



20. Slide the electronics compartment back on the housing bottom part and push it Down all the way.



***WARNING: the electronics compartment is attached to the bottom housing part by cable (see Exploded View page 4). Do not damage this cable! Make sure it does get jammed!***

22. Tighten the four housing bolts using a 5mm Allen Key. ***Max. Torque 10Nm.***



## SERVICE INSTRUCTIONS

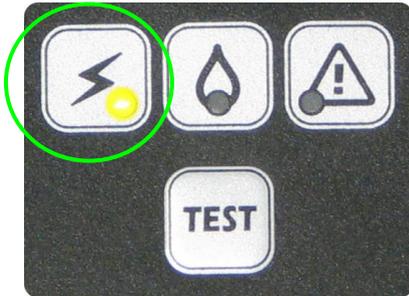
23. Replace the outlet tube and tighten the tube clamp.



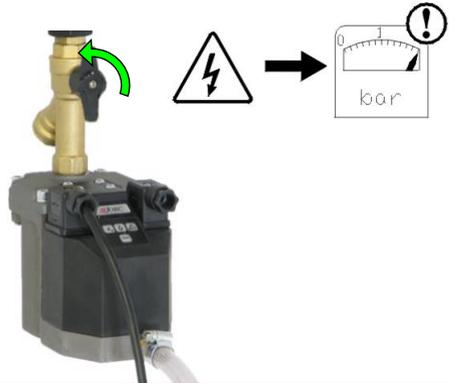
24. Replace the power cable, and optional alarm cable. Tighten the connector screw(s). **Max Torque 1Nm.** Make sure all gaskets are in place to ensure proper IP65 rating.



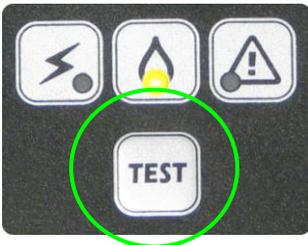
25. Restore POWER supply. Check if the power LED lights up to confirm correct electrical installation.



26. Restore normal pressure and condensate supply.



27. Press the TEST button to check the KAPTIV-CS valve function.



28. Your KAPTIV-CS is now ready for operation!



