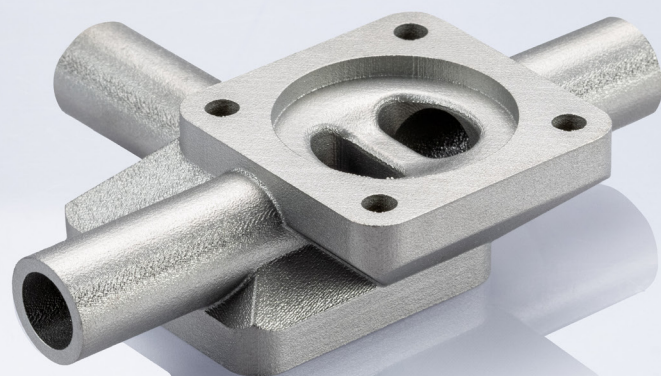
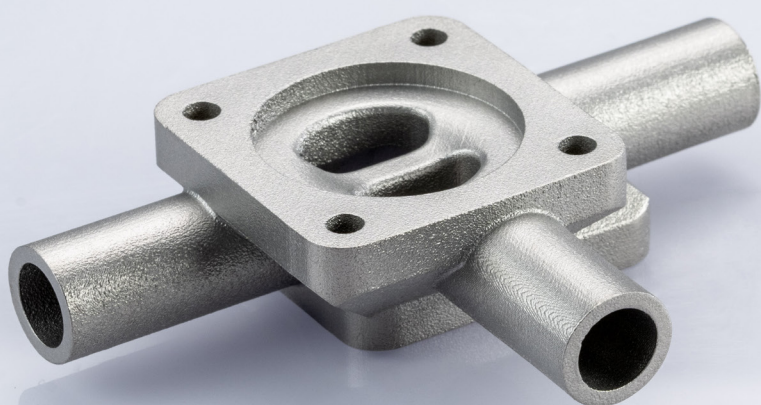


## SISTO-C Additiv Additively manufactured diaphragm valves



### Fields of application:

Hygienic and sterile environments in the pharmaceutical and biotech industry

### Further information:

[www.sisto-aseptic.com](http://www.sisto-aseptic.com)



SISTO-CM504



SISTO-C



SISTO-CM1200

Further information at  
[additiv.sisto-aseptic.com](http://additiv.sisto-aseptic.com):

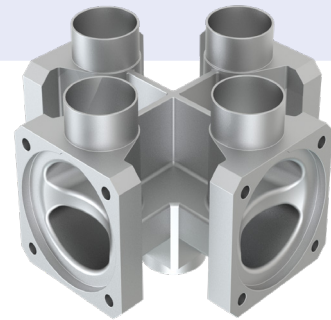


# SISTO-C Additiv Additively manufactured diaphragm valves

SISTO now also offers products from additive manufacturing. We have developed metal 3D printing together with our parent company KSB over many years, guaranteeing flexible and innovative solutions for our customers.

After the additive manufacturing process, components are machined and customised. We manufacture all pressure-bearing parts with special care, which we extend to additive manufacturing. Additively manufactured products are subject to quality testing in the same way as conventionally manufactured forged parts and meet the strictest specifications of the pharmaceutical and biotechnology industries.

Additive manufacturing offers numerous advantages, including better availability, especially for special materials.



## Advantages of additive manufacturing



### **Attractive delivery times**

Especially for special materials



### **High degree of design and planning flexibility**

New possibilities for design with shorter planning lead times



### **Better material homogeneity**

Raw components have better material homogeneity than forged components



### **Same quality as products from forged material**

Customers can receive a materials certificate on request

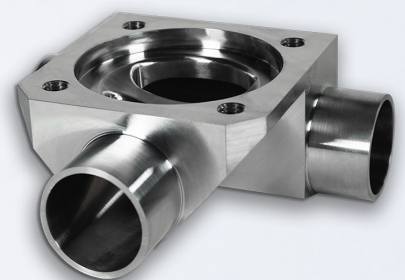
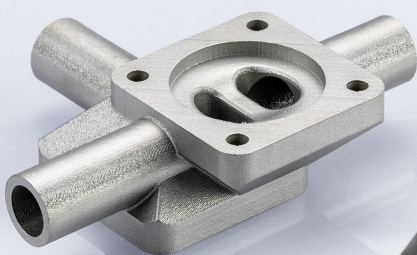


### **Lightweight and space efficient**

Material is only built up where it is needed



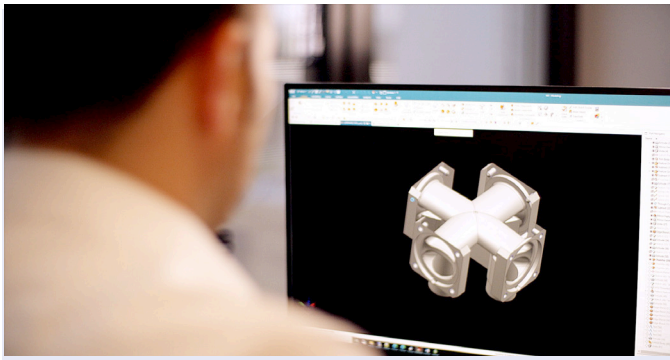
### **TÜV tested and compliant with PED 2014/68/EU**





# SISTO-C Additiv Additively manufactured diaphragm valves

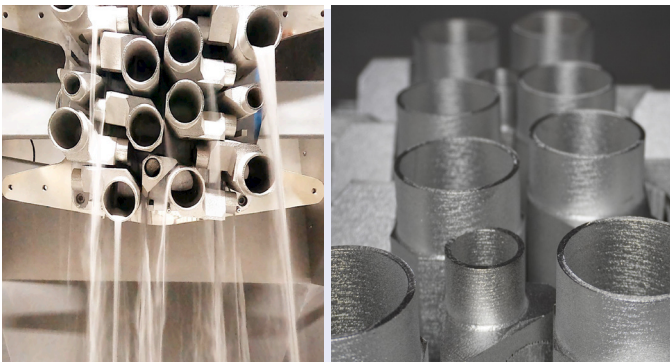
## Production steps



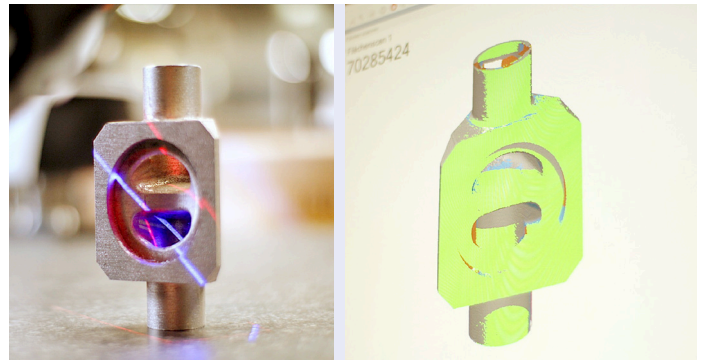
1. Design of the components



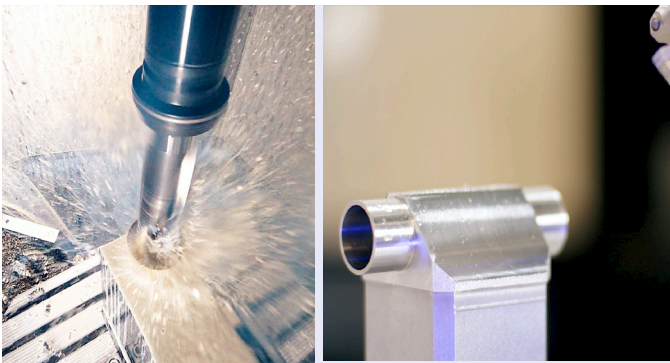
2. Additive manufacturing using the powder bed fusion process



3. De-powdering and preparation



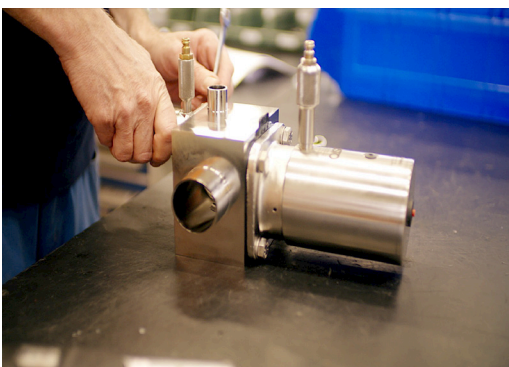
4. Surveying with 3D scanner as part of quality assurance



5. Mechanical processing



6. Machining of the inner surfaces and electropolishing - based on the customer's requirements



7. Assemble, measure, test, document and certify finished components



Technology that **makes its mark**

Watch the video at  
[additiv.sisto-aseptic.com](https://additiv.sisto-aseptic.com):



**SISTO**

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