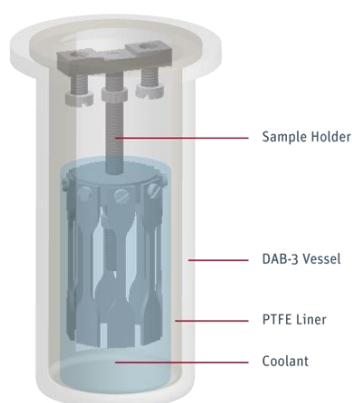


# SAMPLE HOLDER OVERVIEW

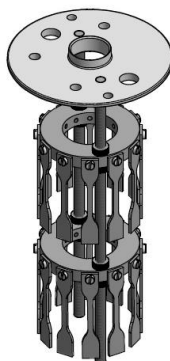
## Product Solutions for Pressure Vessels and Reactors

### Sample Holder Overview

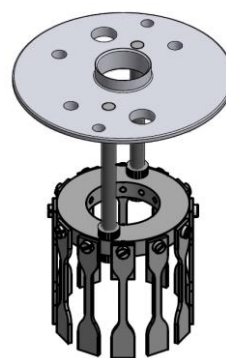
**Representative Technical Drawing of Sample Holders placed in Pressure Vessels**



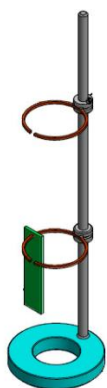
**1- Sample Holder for 24 samples**  
PTFE, Article Nr: 10000303  
Compatible with NR-3000



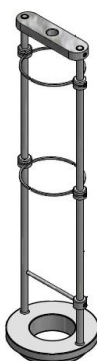
**2- Sample Holder for 12 samples**  
PTFE, Article Nr: 5831555,  
Compatible with NR-1500



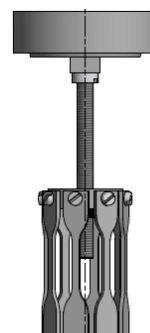
**3- Sample Holder for 4 samples**  
PTFE, Article Nr: 10000270  
Compatible with BR-700



**4- Sample Holder for 4 samples**  
PTFE, Article Nr: 10000271  
Compatible with BR-2000



**5- Sample Holder for 6 samples**  
PTFE, Article Nr: 5226180  
Compatible with DAB-3 XXL



---

**Notes**

[1] Construction material is selected according to the reagents and medium used in the application.

[2] When working with solvents that can form potentially ignitable atmospheres, welded double jacket heating is offered instead of electrical heating for reactors to be explosion-proof.

---

**Application Types**

- ✓ Applications in the field of automotive and technology segments.
- ✓ Material testing for elastomers, rubbers, metals and plastics according to DIN 53504, ISO 37 and ASTM D412-16.
- ✓ Experiment procedure is
  - 1) Place the test specimens on the sample holders that are fixed in the reactors,
  - 2) Fill the reactor with coolants, salty water, alkaline solutions, acids or organic solvents,
  - 3) In case of material test with certain gases, purge the reactor with the corresponding gas by using gas valve,
  - 4) Heat the medium at desired temperature for certain period. <sup>[2]</sup>
- ✓ Various sample holder designs enable material testing in liquid and gas phase, or both simultaneously.
- ✓ Compatible with pressure vessels, DAB-3XXL.
- ✓ Compatible with reactors, BR-700, BR-2000, NR-1500 and NR-3000 with PTFE-lining.

---

**References**

[1] <https://www.astm.org/Standards/D412>

[2] <https://www.sis.se/api/document/preview/914158/>

[3] <https://www.beuth.de/de/norm/din-53504/267138638>

[4] Visit our website for information on pressure vessels and reactors,  
<https://www.berghof-instruments.com/en/products/reactor-technology/>

---

Please contact us to get the right configuration for your reactor applications.

---