

## TYPES of SAMPLE CONTAINERS and RELATED MODULES

A list of standard containers used with the DSC is shown below. Always try to select the most appropriate container for the sample you are going to measure.

	Material	External Diameter	Max. Capacity	Upper Limits for Temp's & Pressure	DSC 6100	DSC 6200	DSC 6300
Open Pan	Al	Ø 5,2 h 2,5	45 µl	600°C	Y	Y	OK
	Platinum		25 µl	1500°C	S	OK	Y
	Alumina			1500°C	S	OK	OK
Sealed Container	Al	Ø6,0 h 4	20 µl (15 µl)	500°C or 3 MPa	Y	OK	N
	Ag			5 MPa	Y	OK	N
	SUS			5 MPa	S	S	N
	Gold Plated SUS			5 MPa	S	S	N
	Al	Ø 6 h 8	70 µl	500°C or 3 MPa	y	N	N
	Ag			5 MPa	Y	N	N
	SUS			5 MPa	S	N	N
	Gold Plated SUS			5 MPa	S	N	N
Simple Sealed	Al	Ø 6,8 h 2,6	7,5 µl	500°C or 0,3 MPa	OK	OK	N
	Al/Metal finish			500°C or 0,3 MPa	OK	OK	N

**Y: Generally Used**  
**OK: Can be used based on the type of sample**  
**S: Used only under special conditions**  
**N: Can not be used**

The relationship between the water evaporation temperature and pressure is shown in the table below:

Material	Pressure	Water Vapor
Al	3 MPa	230°C
Ag	5 MPa	250°C
SUS	5 MPa	250°C
Al (simple sealed)	0,3 MPa	150°C