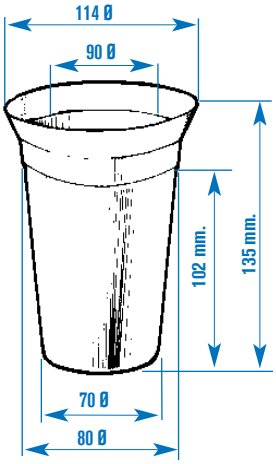


DYE BEAKER
Stainless steel AISI 304.
Volume: 500 ml.
Part No. 6000291








Quartz glass

CRUCIBLES

AISI 304 STAINLESS STEEL

Part No.	Ø	Height	Thickness	Volume	Lids Part No.
1098302	30 mm.	32 mm.	2 mm.	20 ml.	6009730
1098402	40 mm.	42 mm.	2 mm.	45 ml.	6009740
1009830	30 mm	32 mm.	0.6 mm.	20 ml.	6009730
1009840	40 mm.	42 mm.	0.6 mm.	45 ml.	6009740
1009850	50 mm.	55 mm.	0.8 mm.	85 ml.	6009750
1009860	60 mm.	65 mm.	0.8 mm.	140 ml.	6009760

PURE NICKEL Ni

Part No.	Ø	Height	Thickness	Volume	Lids Part No.
1198302	30 mm.	32 mm.	2 mm.	20 ml.	6019730
1198402	40 mm.	42 mm.	2 mm.	45 ml.	6019740
1198502	50 mm.	55 mm.	2 mm.	85 ml.	6019750
1198602	60 mm.	65 mm.	2 mm.	140 ml.	6019760
1019830	30 mm.	32 mm.	0.6 mm.	20 ml.	6019730
1019840	40 mm.	42 mm.	0.6 mm.	45 ml.	6019740
1019850	50 mm.	55 mm.	0.6 mm.	85 ml.	6019750
1019860	60 mm.	65 mm.	0.6 mm.	140 ml.	6019760

ZIRCONIUM Zr

Part No.	Ø	Height	Thickness	Volume	Lids Part No.
1000563	33 mm.	30 mm.	1 mm.	20 ml.	6000567
1000564	47 mm.	43 mm.	1 mm.	50 ml.	6000568
1000565	52 mm.	48 mm.	1 mm.	75 ml.	6000569
1000566	59 mm.	51 mm.	1 mm.	100 ml.	6000570

QUARTZ GLASS

Part No.	Ø	Height	Thickness	Volume	Lids Part No.
1000570	45 mm.	36 mm.	1,5 mm.	38 ml.	1000620
1000571	50 mm.	40 mm.	2 mm.	49 ml.	1000621
1000572	60 mm.	48 mm.	2 mm.	90 ml.	1000622
1000573	35 mm.	44 mm.	1,5 mm.	24 ml.	1000623
1000574	40 mm.	50 mm.	1,5 mm.	40 ml.	1000624
1000575	50 mm.	62 mm.	2 mm.	75 ml.	1000625

QUARTZ GLASS FOR INCINERATION

Part No.	Ø	Height	Thickness	Volume	Lids Part No.
1000576	27 mm.	45 mm.	1,5 mm.	15 ml.	Included
1000577	25 mm.	38 mm.	1,5 mm.	10 ml.	Included

STAINLESS STEEL AISI 304- PURE NICKEL - ZIRCONIUM - QUARTZ

STAINLESS STEEL is usable at temperatures from -180 °C to +500 °C. Resistant to nitric acid, nitrate and potassium permanganate. Good resistance to concentrated alkaline solutions. Average resistance to acetic acid, hydrogen sulphide diluted, phosphoric low concentration, and solutions of sulphites, boric acid, organic acids and bromides.

NICKEL unalterable in the air and stainless up to temperatures of 500 °C, good resistance to molten alkali and seawater.
Excellent performance in the presence of wet chlorine or hydrochloric acid gas up to 500 °C. Slowly attacked by organic acids, hydrochloric and sulfuric acids.
Low resistance to diluted nitric acid.

THE ZIRCONIUM unalterable in the air and clean, resistant up to 550 °C in an oxidizing atmosphere at 1500 °C in inert gas (argon or nitrogen), **in many cases to replace platinum crucibles** in all melting and in particular the sodium peroxide and carbonates. **About 100 melting per crucible**, making them very economical with reference to the others, either porcelain crucibles, steel or nickel. Resistant to most alkali solvents (Na, K, Li), carbonates, hydroxides, peroxides, borates, nitrates, chlorides, some fluorides and sulfuric acid up to 75% concentrate.
Hydrofluoric acid attacks it.

QUARTZ GLASS has a high temperature resistant (liquid glass transition 1130°C) as well as a low thermal expansion. It is considered a unique material for several scientific applications due to its purity (can only be attacked by hot phosphoric acid and hydroflouric acid) and thermal characteristics. Furthermore, quartz glass has extraordinary optical properties through its spectral transparency and high irradiation resistance.