



Technical resources

PTFE planetary mill jar

<https://www.tencanballmills.com/en/products/grinding-series/planetary-ball-mill-jar/ptfe-planetary-mill-jar.html>

09.10.2026 / TENCAN

PTFE planetary mill jar

Model:

PTFE planetary mill jar offers superior chemical resistance and non-stick properties for grinding corrosive materials. Ideal for lab use in chemistry, pharmaceuticals, and materials research.

Technical specifications

Model specification	100ml-25L
Outer diameter (mm)	φ68-φ320
Height (mm)	76-424

These specifications describe the series. Confirm the selected model, power supply and configuration before ordering.



Polytetrafluoroethylene (Teflon or PTFE), commonly known as the "King of Plastics", is a polymer compound polymerized from tetrafluoroethylene. It has excellent chemical stability, corrosion resistance, sealing, high lubrication and non-stickiness, electrical insulation and good anti-aging endurance. Our company's polytetrafluoroethylene grinding jar is professionally designed, selected from polytetrafluoroethylene materials, and processed as a whole.



聚四氟罐

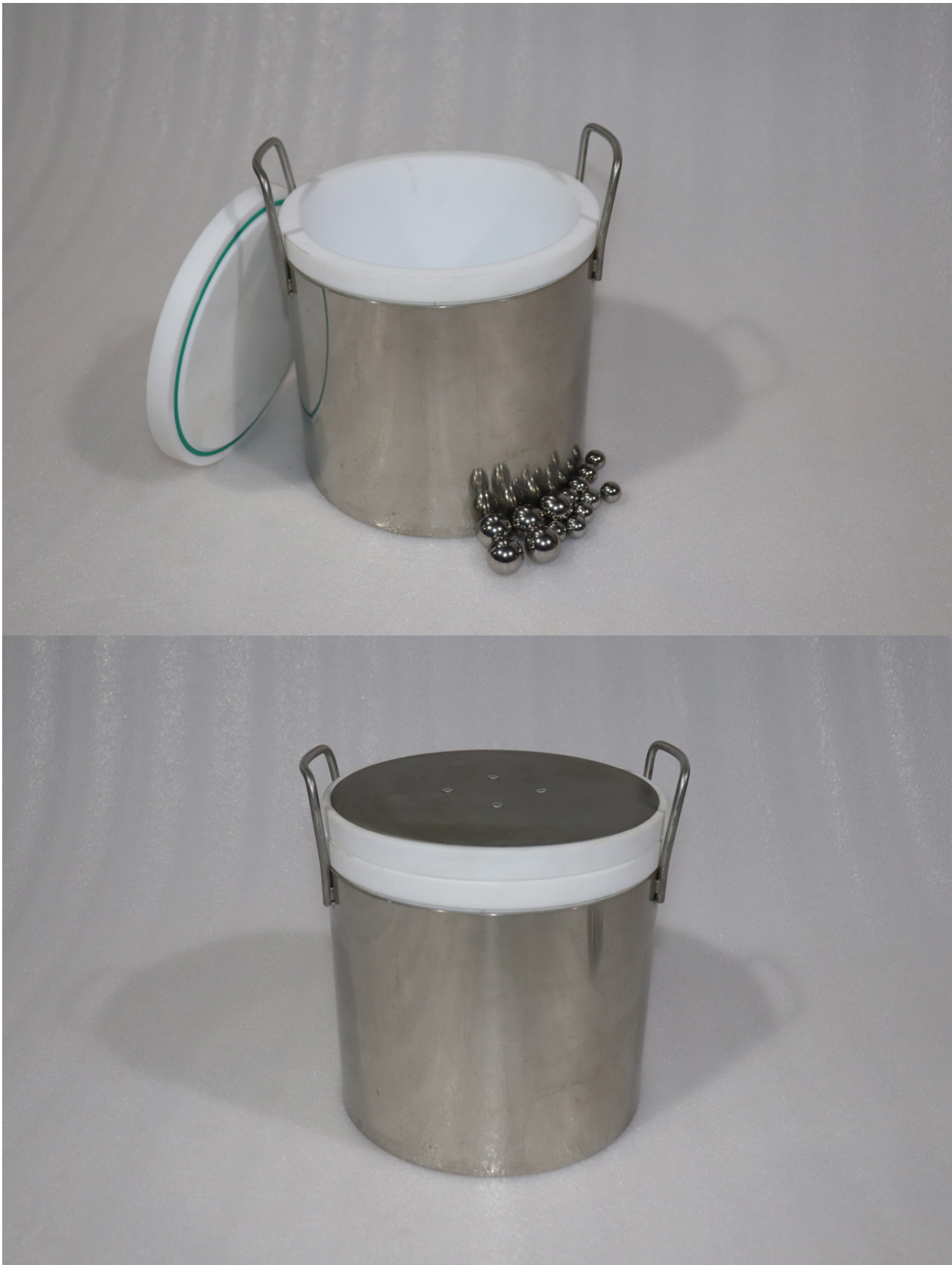


聚四氟罐配玛瑙球



聚四氟罐配氧化锆球







Technical parameters

Model specifications	Outer diameter (mm)	Inner diameter (mm)	Height(mm)
25ML	63	31	65
50ML	63	43	59
100ML	68	48	76
250ML	88	68	98
500ML	108	88	115
1L	133	109	142
1.5L	133	109	178
2L	158	134	172
2.5L	158	134	202
3L	158	138	210
4L	178	158	226
5L	218	190	217
10L	246	218	307
15L	273	243	372

Model specifications	Outer diameter (mm)	Inner diameter (mm)	Height(mm)
20L	320	285	359
25L	320	285	424

1. High temperature resistance: the operating temperature reaches 250°C.
2. Low temperature resistance: good mechanical toughness ; Even if the temperature drops to -196°C, the elongation of 5% can be maintained.
3. Corrosion resistance: It is inert to most chemicals and solvents, and can withstand strong acids and alkalis, water and various organic solvents.
4. Weather resistance: has the best aging life among plastics.
5. High lubrication: It is the one with the lower friction coefficient among solid materials.
6. Non-adhesive: It has the smallest surface tension among solid materials and does not adhere to any substance.
7. Non-toxic: It is physiologically inert and has no adverse reactions when used as artificial blood vessels and organs for long-term implantation in the body.

Contact

Changsha Tianchuang Powder Technology Co., Ltd. / Changsha, Hunan, China

Email: lichang0516@gmail.com

Phone / WhatsApp: +86 731 84027560 / WhatsApp +86 19021571516

<https://www.tencanballmills.com/en/products/grinding-series/planetary-ball-mill-jar/ptfe-planetary-mill-jar.html>

Before operation, review the selected model's instructions and the material requirements.