



Technical data sheet - rCUP® standard series.



Sizes and volume: rCUP® series

12oz (340ml)

Height (with lid on): 168mm

Height (with lid off): 140mm /

Diameter: 84mm

8oz (227ml)

Height (with lid on): 133mm

Height (with lid off): 110mm /

Diameter: 84mm



Materials:

All components in contact with beverage - Polypropylene BPA free and food grade certified

Outer cup vessel Recycled Polypropylene and post consumer paper coffee cups (+ 5% levels of HIPS lids and straws).

Inner spring Stainless Steel 304

Seals x2 silicon

Design and productions standards achieved:

ISO 9001 / Sedex

BS EN 12546 - 1:200

Product test information:

BS EN 12546 - sealing and impact drop test requirements

Transit packaging drop tests

Push/push mechanism longevity tests - 10,000 operations / 1,250 uses / 5 years

Push button extraction - 1,000 times / 5 years

Safety considerations:

Over filling.

- clear fill line and text on cup

- warning on instructions

Pressure build up in sealed vessel.

- warning notice with solution on cup

- warning and solution within instructions

- push button becomes too stiff to operate when under pressure preventing dangerous operation

Thermal insulation data.

40 deg C - minimal comfortable drinking temperature

Boiling water - to 40° - 1 hr 45mins

Self made tea/coffee - 80°C - 40°C - 1 hr 35mins

Barista latte - 70°C - 40° C - 1 hr 10mins

Outer surface temp. transfer .

Boiling water left for 15 mins for max transfer - 23°C (comfortable to hold)