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INC.

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LabGlass® Beakers

Isco Industrial offers a variety of glass beakers to fulfill the needs of your laboratory. All of our glass beakers are part of our proprietary LabGlass® line. This glassware is created by hand utilizing state-of-the-art manufacturing and calibration techniques. Our skilled technical artisans use only the highest quality low expansion borosilicate 3.3 glass while following manufacturing and calibration techniques in accordance with ISO, DIN, and ASTM standards. The result is glassware with high heat tolerance, chemical durability, and precise measuring capabilities.

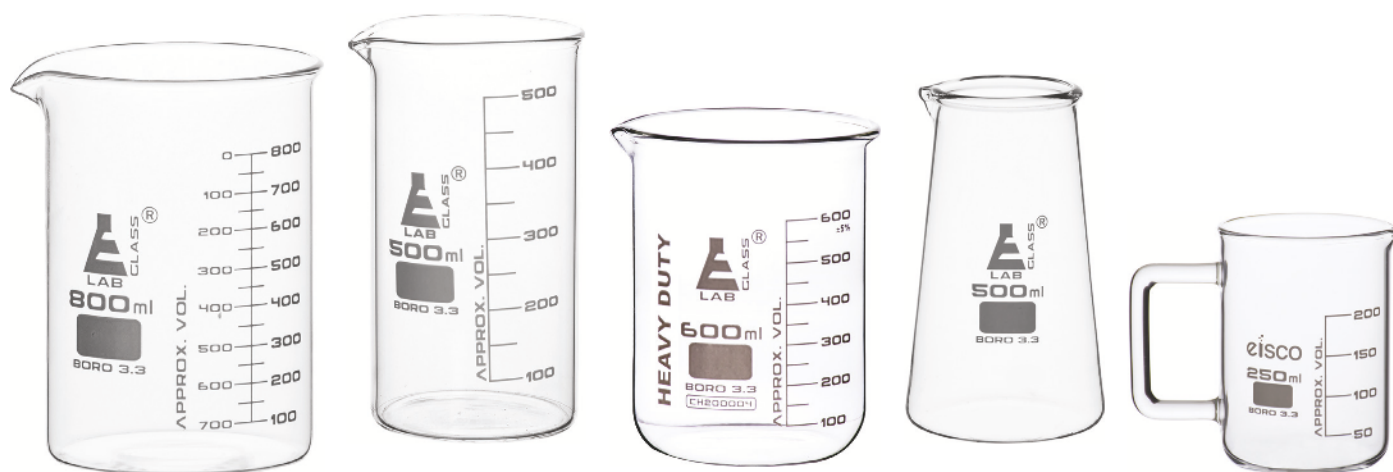
Thermal Properties

The coefficient of thermal expansion and temperature gradient of LabGlass® are low allowing the glass to withstand higher temperature gradients as well as sudden temperature changes (thermal shock).

Coefficient of Linear Expansion	$32.5 \times 10^{-7} \text{cm} / \text{cm} / ^\circ\text{C}$
Strain Point	515°C
Annealing Point	565°C
Softening Point	820°C
Specific Heat (J/kg·°C)	0.2
Thermal Conductivity (Cal / cm ³ / °C / sec)	0.0027

Chemical Durability

LabGlass® glassware is highly resistant to water, neutral and acidic solutions, concentrated acids, chlorine, bromine iodine, and organic matter. It can withstand dry and wet sterilization without surface deterioration and subsequent contamination. Only hydrofluoric acid, very hot phosphoric acid and alkaline solutions increasingly attack the glass surface with rising concentration and temperature.



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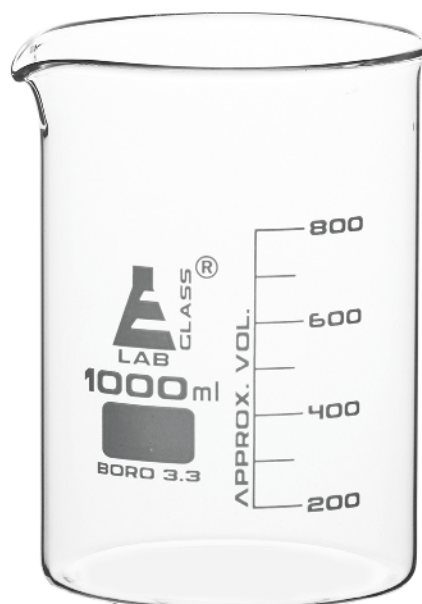
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LabGlass® Beakers

Beakers - Glass, Low Form with Spout

- Low form beaker with spout
- Made of high quality borosilicate 3.3 glass
- Uniform walls, ideal for heating & stirring
- Low temperature gradient
- Mechanically strong with superior chemical durability
- Easy to read white enamel printing
- Autoclavable at 121°C
- Graduated as per DIN 12231 & ISO 3819

Code	Capacity (ml)	Dia. (mm)	Height (mm)	Graduation Range	Pack Size
CH0126APK12	5	22	30	-	12
CH0126BPK12	10	26	35	2-8	12
CH0126CPK12	25	34	50	5-20	12
CH0126DPK12	50	42	60	10-40	12
CH0126EPK12	100	50	70	25-75	12
CH0126FPK12	150	60	80	25-125	12
CH0126GPK12	250	68	95	50-200	12
CH0126HPK6	400	80	110	100-300	6
CH0126IPK6	500	83	115	100-400	6
CH0126JPK6	600	90	125	100-500	6
CH0126JPK6	800	100	135	200-700	6
CH0126KPK6	1000	105	145	200-800	6
CH0126LPK4	2000	130	185	200-1800	4
CH0126M	3000	150	210	500-2500	1
CH0126N	5000	170	270	500-4500	1
CH0126O	10,000	217	350	1000-10,000	1



GLASS
BORO
3.3

Chemical
Resistant

Autoclavable

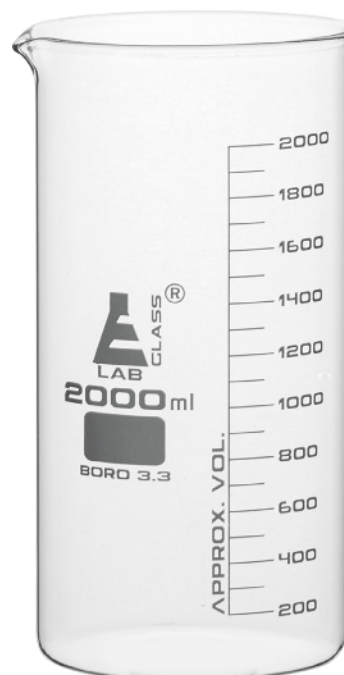
ISO
3819

DIN
12331

Beakers - Glass, Tall Form with Spout

- Tall form beaker with spout
- Made of high quality borosilicate 3.3 glass
- Uniform walls, ideal for heating & stirring
- Low temperature gradient
- Mechanically strong with superior chemical durability
- Easy to read white enamel printing
- Autoclavable at 121°C
- Graduated as per DIN 12231 & ISO 3819

Code	Capacity (ml)	Dia. (mm)	Height (mm)	Graduation Range	Pack Size
CH0127APK12	25	30	55	5-25	12
CH0127BPK12	50	38	70	5-50	12
CH0127CPK12	100	48	80	20-100	12
CH0127DPK12	150	54	95	25-150	12
CH0127EPK12	250	60	120	50-250	12
CH0127FPK6	400	70	130	100-400	6
CH0127GPK6	500	75	137	100-500	6
CH0127HPK6	600	80	150	100-600	6
CH0127H8PK6	800	90	175	100-800	6
CH0127IPK6	1000	95	190	200-1000	6
CH0127JPK4	2000	120	240	200-2000	4
CH0127K	3000	130	280	250-3000	1



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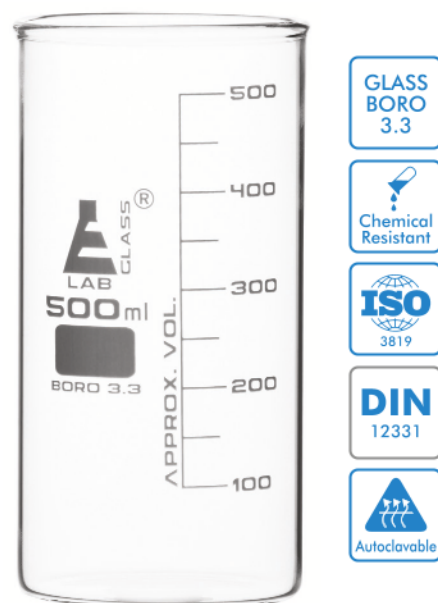
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LabGlass® Beakers

Beakers - Glass, Tall Form without Spout

- Tall form beaker without spout
- Made of high quality borosilicate 3.3 glass
- Uniform walls, ideal for heating & stirring
- Low temperature gradient
- Mechanically strong with superior chemical durability
- Easy to read white enamel printing
- Autoclavable at 121°C
- Graduated as per DIN 12231 & ISO 3819

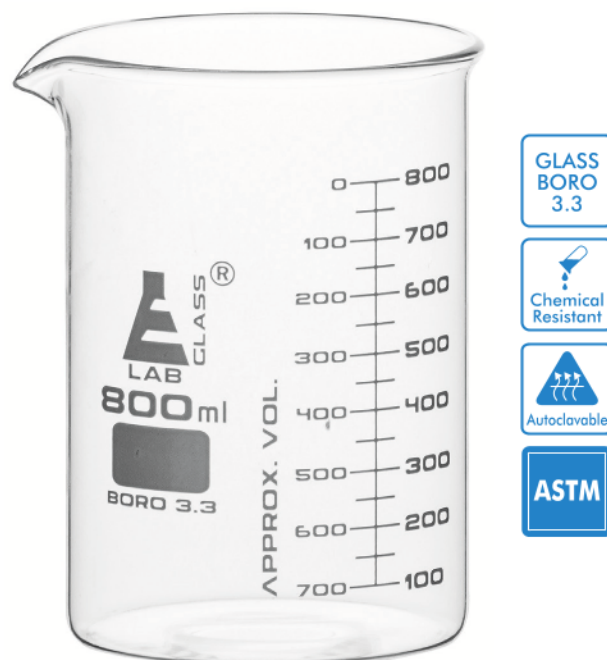
Code	Capacity (ml)	Dia. (mm)	Height (mm)	Graduation Range	Pack Size
CH2001PK12	25	30	55	5-25	12
CH2002PK12	50	38	70	5-50	12
CH2003PK12	100	48	80	20-100	12
CH2004PK12	150	54	95	25-150	12
CH2005PK12	250	60	120	50-250	12
CH2006PK6	400	70	130	100-400	6
CH2007PK6	500	75	137	100-500	6
CH2008PK6	600	80	150	100-600	6
CH2009PK6	800	90	175	100-800	6
CH2010PK6	1000	95	190	200-1000	6



Beakers - Glass, ASTM, Low Form with Spout

- Made of high quality borosilicate 3.3 glass conforming to ASTM E-438, Type-1, Class-A requirements
- Low form beaker designed from ASTM specifications E-960, Type-I requirements
- Low temperature gradient
- Uniform thickness walls, ideal for heating & stirring
- Easy to read double white graduated scale
- Mechanically strong with superior chemical durability
- Autoclavable at 121°C

Code	Capacity (ml)	O.D. (mm)	Height (mm)	Graduation Range	Pack Size
CH0124A10PK12	10	30	35	2-10	12
CH0124A20PK12	20	32	45	5-20	12
CH0124A30PK12	30	34	55	5-30	12
CH0124BPK12	50	42	60	10-50	12
CH0124CPK12	100	50	75	20-100	12
CH0124DPK12	150	60	90	25-150	12
CH0124EPK12	250	68	100	25-250	12
CH0124FPK6	400	80	120	50-400	6
CH0124GPK6	600	90	135	100-600	6
CH0124HPK6	800	100	145	100-800	6
CH0124IPK6	1000	105	160	100-1000	6
CH0124JPK4	2000	130	200	200-2000	4



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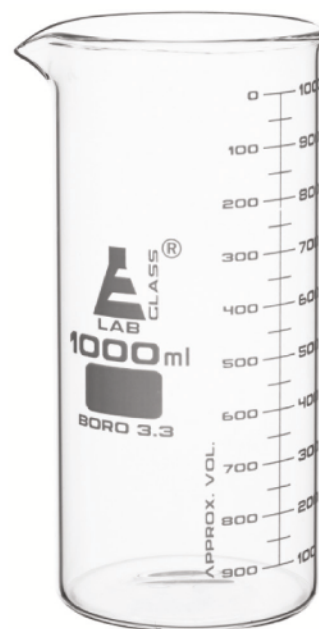
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LabGlass® Beakers

Beakers - Glass, ASTM, Tall Form with Spout

- Made of high quality borosilicate 3.3 glass conforming to ASTM E-438, Type-1, Class-A requirements
- Tall form beaker designed from ASTM specifications E-960, Type-III requirements
- Low temperature gradient
- Uniform thickness walls, ideal for heating & stirring
- Easy to read double white graduated scale
- Mechanically strong with superior chemical durability
- Autoclavable at 121°C

Code	Capacity (ml)	O.D. (mm)	Height (mm)	Graduation Range	Pack Size
CH0125APK12	100	50	85	20-100	12
CH0125BPK12	200	55	110	25-200	12
CH0125CPK12	300	65	125	50-300	12
CH0125DPK6	400	68	145	50-400	6
CH0125EPK6	500	75	150	100-500	6
CH0125FPK6	600	80	160	100-600	6
CH0125GPK6	1000	90	205	100-1000	6



GLASS
BORO
3.3

Chemical
Resistant

ASTM

Autoclavable



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Beakers - Glass, Phillips Pattern with Spout

- Made of high quality borosilicate 3.3 glass
- Low temperature gradient
- Superior chemical durability
- Phillips pattern, conical form
- Autoclavable at 121°C

Code	Capacity (ml)	Height (mm)	Pack Size
CH0128APK12	250	105	12
CH0128BPK6	500	142	6



GLASS
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Chemical
Resistant

Autoclavable

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LabGlass® Beakers

Beakers - Glass, Heavy Duty with Spout

- Thicker wall beakers with excellent mechanical strength & durability
- Made of high quality borosilicate 3.3 glass
- Excellent chemical durability
- Designed for durability and increased user safety
- Calibrated with $\pm 5\%$ tolerance
- Easy to read white enamel graduations
- Autoclavable at 121°C

Code	Capacity (ml)	O.D. (mm)	Height (mm)	Graduation Range	Wall thickness approx (mm)	Pack Size
CH200000PK12	50	42	66	10-50	2.2	12
CH200001PK12	100	50	85	20-100	2.5	12
CH200002PK12	250	70	110	50-250	3.2	12
CH200003PK6	400	80	115	100-400	3.2	6
CH200004PK6	600	100	125	100-600	3.5	6
CH200005PK6	1000	110	145	100-1000	3.5	6



Glass, Beaker Mug

- Made of high quality borosilicate 3.3 glass
- Graduations indicate approx. volume
- Microwave and dishwasher safe
- Autoclavable at 121°C
- Ideal for hot and cold drinks at home or in the office

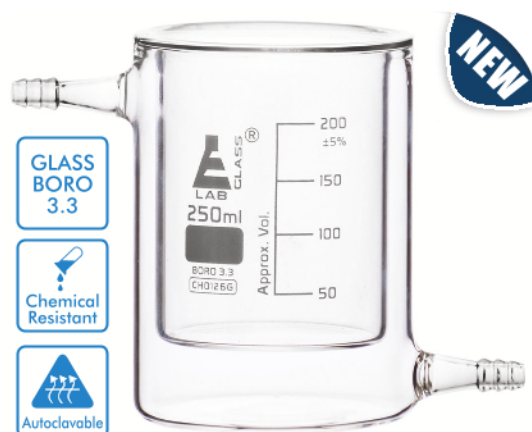
Code	Capacity (ml)	O.D. (mm)	Height (mm)	Pack Size
CH2021	250	68	95	1
CH2022	500	83	115	1
CH2023	600	90	125	1
CH2024	1000	105	145	1



Beakers - Glass, Jacketed

- Designed to keep samples at constant temperature
- Graduated inner beaker
- Made of high quality borosilicate 3.3 glass
- Low temperature gradient
- Side tubulation is 10mm approx
- Autoclavable at 121°C

Code	Capacity (ml)	Inner Vessel (mm)	Out Vessel (mm)	Pack Size
CH2041	50	39 X 50	60 X 70	1
CH2042	100	46 X 60	75 X 75	1
CH2043	250	65 X 93	90 X 110	1
CH2044	500	78 X 110	110 X 145	1
CH2045	1000	100 X 140	130 X 155	1



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