

VEE GEE®

Laboratory Equipment

Water / Wastewater Treatment

Beakers

VEE GEE®, Griffin, Low Form, Double Scale, Graduated

VEE GEE 20229-Series Beakers meet ASTM E-960 Type I Specifications for Classification, Design, Capacity & Dimensions, and Markings. These beakers feature easy-pour spouts, white, permanent graduations and large marking squares. Made from high-quality borosilicate glass with a low coefficient of expansion. Manufactured with uniform wall thickness resulting in the optimum balance between thermal shock resistance and mechanical strength. Cat. No.'s 20229-100 through 20229-1000 feature a double-graduated metric scale. Accuracy: ±5% of full capacity.

Cat. No.	Capacity (ml)	Graduation Range (ml)	Graduation Interval (ml)	Approx. O.D. x Height (mm)
20229-100	100	20 - 80	10	50 x 75
20229-250	250	25 - 200	25	68 x 100
20229-400	400	25 - 325	25	78 x 112
20229-1000	1000	50 - 950	50	108 x 150



BOD Bottles

VEE GEE®, w/ Glass Pennyhead Stopper

VEE GEE 20284-Series BOD Bottles are the perfect choice for incubating diluted samples of clean water, waste water, effluent water, and polluted water during the 5-day biochemical oxygen demand (BOD) test. This procedure is used to determine the relative oxygen requirements of the tested sample. 300mL bottles with glass stoppers are recommended for the 5-day BOD test (Standard Methods for the Examination of Water and Wastewater). These BOD bottles feature a flared mouth to form a water seal to prevent the ingress of air during incubation. The interchangeable stoppers have a tapered bottom that also prevents air entrapment. All of the BOD bottles have large, permanent marking squares. Featuring the best quality of glass on the market, VEE GEE BOD bottles are manufactured from high-quality borosilicate tubing; bottles meet ASTM E-438 Type 1, Class A borosilicate glass specifications.

Cat. No.	Capacity (ml)	Stopper
20284-300	300	Glass Pennyhead



Burets

VEE GEE®, Class A, w/ Teflon® Stopcock

VEE GEE 20114-Series Burets meet ASTM E-287 Class A Specifications. Made from precision, uniform Schott DURAN® true-bore tubing to ensure the stipulated capacity tolerances. These burets feature durable, permanent markings, fine, sharp lines and large, easy-to-read numbers. Supplied with Teflon® stopcocks to eliminate freezing and lubricant contamination and to provide a precision fit within the barrel. All sizes are supplied with a 2mm stopcock bore plug.

Cat. No.	Capacity (ml)	Graduation Interval (ml)	Tolerance (±ml)	Approx. O.D. x Height (mm)	Stopcock Bore (mm)
20114-50	50	0.10	0.05	13 x 758	2



Burners

VEE GEE®, Alcohol, Glass, w/ Nickel-Plated Brass Cap

VEE GEE Model 3040 Alcohol Burners feature a sturdy, heavy-walled glass design with a large capacity of 150ml. Fitted with a nickel-plated brass wick holder and nickel-plated brass cap used to extinguish the flame and to prevent the evaporation of alcohol. Either methyl or ethyl alcohol can be used with the lamp.

Cat. No.	Capacity (ml)	Diameter (mm)	Height (mm)	Weight (g)
3040	150	80	100	225



Clamps

VEE GEE®, Buret, Double

VEE GEE Model 3020 Double Buret Clamps hold two burets from micro to 100ml size. Constructed of nickel-plated steel for durability, the unit is simple to operate -- compress the scissor-like mechanism, insert buret, and release. Numbers and graduations on burets are easy to read. Attach easily to support rods with a convenient hook clamp. Knob for tightening is on the front for easy access.

Cat. No.	Style	Max. Buret Size
3020	Double	100ml



Cylinders

SIBATA®, Graduated, Class A, Double Metric Scale, Graduated, To Contain

SIBATA 2351A-Series Graduated Cylinders meet ASTM E-1272 Class A, Style I Specifications & USP Standards for Volumetric Glassware. Feature hexagonal bases for added stability. All cylinders with the exception of the 2000ml size feature protective, polyethylene, hexagonal bumper guards. All markings are in durable, white enamel.

Cat. No.	Capacity (ml)	Graduation Range (ml)	Graduation Interval (ml)	Tolerance (±ml)	Approx. O.D. x Height (mm)
2351A-10	10	0.7 to 10.0	0.1	0.05	8 x 182
2351A-100	100	5.0 to 100.0	1.0	0.40	30 x 236
2351A-500	500	25.0 to 500.0	5.0	2.00	53 x 362
2351A-1000	1000	50.0 to 1000.0	10.0	3.00	70 x 422



Cylinders

SIBATA®, Graduated, Class B, Double Metric Scale, Graduated, To Contain

SIBATA 2351-Series Graduated Cylinders meet ASTM E-1272 Class B, Style I Specifications. Feature hexagonal bases for added stability. All cylinders with the exception of the 2000ml size feature protective, polyethylene, hexagonal bumper guards. All markings are in durable, white enamel.

Cat. No.	Capacity (ml)	Graduation Range (ml)	Graduation Interval (ml)	Tolerance (±ml)	Approx. O.D. x Height (mm)
2351-10	10	0.7 to 10.0	0.1	0.10	8 x 182
2351-100	100	5.0 to 100.0	1.0	0.60	30 x 236
2351-500	500	25.0 to 500.0	5.0	2.60	53 x 362
2351-1000	1000	50.0 to 1000.0	10.0	5.00	70 x 422



Dishes

BELLWETHER®, Evaporation, Porcelain

BELLWETHER 5020 Series Evaporation Dishes feature rounded bottoms and pouring lips; glazed inside and out except for the rims.

Cat. No.	Capacity (ml)	Top O.D. (mm)	Height (mm)
5022	80	80	34



Flasks

VEE GEE®, Erlenmeyer, Narrow Mouth, Heavy-Duty Rim, Graduated

VEE GEE 20231-Series Erlenmeyer Flasks meet ASTM E-1404 Type I, Class 1 Specifications for Classification, Design, Capacity & Dimensions, and Markings. These Erlenmeyer flasks feature heavy-duty rims to reduce chipping, white, permanent graduations and large marking squares. Made from high-quality borosilicate tubing with a low coefficient of expansion. Borosilicate tubing also provides uniform wall thickness resulting in the optimum balance between thermal shock resistance and mechanical strength. Accuracy: ±5% of full capacity.

Cat. No.	Capacity (ml)	Graduation Range (ml)	Graduation Interval (ml)	Rubber Stopper No.	Approx. O.D. x Height (mm)
20231-125	125	50-125	25	5	68 x 117
20231-250	250	100-250	25	6	84 x 138
20231-500	500	200-500	50	7	105 x 178
20231-1000	1000	400-1000	50	9	128 x 220



Flasks

SIBATA®, Volumetric, Class A, Snap-Cap, To Contain

SIBATA 2303A-Series Volumetric Flasks meet ASTM E-288 Class A Specifications & USP Standards for Volumetric Glassware. Feature machine-blown bodies and heavy-beaded, heavy-tubing necks, tooled for snap-cap fit. The graduation line is sharp and permanent; large, white, block-letters allow the labeling to be easily read. Features a large marking square. All sizes are supplied with a snap cap.

Cat. No.	Capacity (ml)	Tolerance (±ml)	Snap Cap No.	Approx. O.D. x Height (mm)
2303A-100	100	0.08	3	58 x 164
2303A-1000	1000	0.30	6	122 x 300



Flasks

SIBATA®, Volumetric, Class A, Stopper, To Contain

SIBATA 2306A-Series Volumetric Flasks meet ASTM E-288 Class A Specifications & USP Standards for Volumetric Glassware. Feature machine-blown bodies and heavy-beaded, heavy-tubing necks, tooled for glass stoppers. The graduation line is sharp and permanent; large, white, block-letters allow the labeling to be easily read. Features a large marking square. All sizes are supplied with glass stopper.

Cat. No.	Capacity (ml)	Tolerance (±ml)	Stopper No.	Approx. O.D. x Height (mm)
2306A-100	100	0.08	13	58 x 181
2306A-1000	1000	0.30	22	122 x 327



Microscopes

VanGuard®, Stereo, 10X & 20X or 10X & 30X Magnification

VanGuard 1200SH & 1200SF Series Stereo Microscopes feature 10X & 20X or 10X & 30X dual magnification, 10X eyepieces, upper halogen and either lower halogen or fluorescent illumination. The precision stereo optics produce high-resolution, three-dimensional images. Optional eyepieces are available for custom magnification requirements.

Model	Head	Magnification	Upper Illumination	Lower Illumination
1252SH	Binocular	10X & 20X	15W Halogen	15W Halogen
1253SH	Binocular	10X & 30X	15W Halogen	15W Halogen
1262SF	Binocular	10X & 20X	15W Halogen	5W Fluorescent
1263SF	Binocular	10X & 30X	15W Halogen	5W Fluorescent



Microscopes

VanGuard®, Compound, Professional Level

VanGuard 1400BR & 1400PHI Series Compound Microscopes are available in binocular & trinocular configurations. Choose from either brightfield or phase contrast. All models feature highly-advanced optics, 10X eyepieces, Seidentopf heads, rack and pinion mechanical stages, ultra-low position coaxial focusing controls, and 20W halogen illumination. Phase models feature infinity-corrected, plan achromatic objectives.

Model	Head	Type	Objectives	Illumination
1420BR	Binocular	Brightfield	Achromatic 4X, 10X, 40X, & 100X	20W Halogen
1430BR	Trinocular	Brightfield	Achromatic 4X, 10X, 40X, & 100X	20W Halogen
1423PHI	Binocular	Phase Contrast	Infinity Plan 10X, 20X, 40X, & 100X	20W Halogen
1433PHI	Trinocular	Phase Contrast	Infinity Plan 10X, 20X, 40X, & 100X	20W Halogen



Microscopes

VanGuard®, Compound, Premium Level

VanGuard 1300BR & 1300PHi Series Compound Microscopes are available in binocular & trinocular configurations. Choose from either brightfield or phase contrast. All models feature highly-advanced optics, 10X eyepieces, Seidentopf heads, rack and pinion mechanical stages, ultra-low position coaxial focusing controls, and 20W halogen illumination. Phase models feature infinity-corrected, plan achromatic objectives.

Model	Head	Type	Objectives	Illumination
1320BR	Binocular	Brightfield	Achromatic 4X, 10X, 40X, & 100X	20W Halogen
1330BR	Trinocular	Brightfield	Achromatic 4X, 10X, 40X, & 100X	20W Halogen
1323PHi	Binocular	Phase Contrast	Infinity Plan 10X, 20X, 40X, & 100X	20W Halogen
1333PHi	Trinocular	Phase Contrast	Infinity Plan 10X, 20X, 40X, & 100X	20W Halogen



Microscopes

VanGuard®, Compound, Advanced Level

VanGuard 1200CM Series Compound Microscopes are available in binocular & trinocular configurations. Choose from either brightfield or phase contrast. All models feature precision optics, 10X eyepieces, Seidentopf heads, rack and pinion mechanical stages, coaxial focusing controls, and 20W halogen illumination.

Model	Head	Type	Objectives	Illumination
1220CM	Binocular	Brightfield	Achromatic 4X, 10X, 40X, & 100X	20W Halogen
1230CM	Trinocular	Brightfield	Achromatic 4X, 10X, 40X, & 100X	20W Halogen
1223CM	Binocular	Phase Contrast	Plan 10X, 20X, 40X, & 100X	20W Halogen
1233CM	Trinocular	Phase Contrast	Plan 10X, 20X, 40X, & 100X	20W Halogen



Pipets

SIBATA®, Reusable Glass, Volumetric, Wide-Tip Opening, To Deliver

SIBATA 2040-Series Wide-Tip Volumetric Pipets meet ASTM E 969 Class B Specifications for Tolerance. The wide-tip opening facilitates rapid fill and drain of viscous liquids, slurries, and suspensions. The graduation line is sharp and permanent. They are calibrated to Deliver. Feature permanent amber markings which are enameled onto the glass. Sizes 1, 2, & 5ml do not have drawn tips, while sizes 10ml through 100ml feature standard drawn tips.

Cat. No.	Capacity (ml)	Tolerance (±ml)	Approx. Length (mm)	Approx Tip I.D. (mm)
2040-1-1.9MM	1.0	0.01	320	1.9
2040-2-2.4MM	2.0	0.01	330	2.4
2040-5-3MM	5.0	0.02	346	3.0
2040-10-3MM	10.0	0.02	440	3.0
2040-20-3MM	20.0	0.03	478	3.0
2040-25-3MM	25.0	0.03	475	3.0
2040-50-3MM	50.0	0.05	538	3.0
2040-100-3MM	100.0	0.10	605	3.0



Support Jacks

VEE GEE®

VEE GEE 3050-Series Support Jacks are an essential companion to any laboratory application requiring lifting and lowering of instruments or apparatus. Ideal for supporting glassware, stirrers, baths, hotplates, etc. Constructed of sturdy anodized aluminum with stainless-steel crossbars; platform height is quickly and smoothly adjusted by oversized knobs. An optional 8x8" plate set (pictured at right) and an optional 305mm support rod can both be attached to the jack to provide additional support and for accommodating larger instruments.

Cat. No.	Platform Size (mm)	Vertical Lift (mm)	Maximum Load (kg)
3050	140 (L) x 114 (W)	70 to 267	45



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