

LABORATORY SUPPLIES



NEW!
Anemometers

NEW!
**Steam
Autoclave**



NEW!
**Digital Metals
Refractometers**



NEW!
Handbooks

**Leica®
E-Series
Stereo
Microscopes**



**Millipore®
Ultrapure
Water
Systems**



NEW!
**BOD
Incubator**



**Stirrer
Hot Plate**



LAB SUPPLIES



Be Right™

ALCOHOL PADS — BALANCES



Alcohol Prep Pads

Individually wrapped, disposable pads measuring 1-1/8" x 2-3/8". 70% Isopropyl Alcohol.

Prod. No.	Unit
2938200	200 /box

Anemometers

Anemometers monitor a variety of environmental parameters. All Models measure air flow and feature a min/max, hold, backlight and batteries that power the device for at least 40 hours of use. Choose from the Mini Anemometers, or the Datalogging Anemometers.



NEW!

The Basic Mini environmental quality meters are light weight small in size, allowing one-hand operation. The Datalogging Anemometers automatically record up to 99 datapoints internally or nearly unlimited with the included 2GB SD card. All models measure air speed as well as other environmental parameters in one instrument.

Prod. No.	Description
2850023	Datalogging Vane Anemometer
2850024	Datalogging Hot Wire Anemometer
2850025	Mini Basic Anemometer
2850027	Mini Advanced Anemometer

Autoclave, Steam

The Tuttnauer® Model 2340E autoclave is designed for sterilizing laboratory equipment, media and even liquids. Manufactured with 316L stainless steel sterilization chambers which are highly corrosion-resistant. The autoclave features four adjustable, single push-button programs which provide reproducible sterilization cycles. Options to enter and store operating parameters of temperature (105 to 137°C, 221 to 279°F), sterilization time (0 to 59 minutes), pressure (0 to 40 psi), and drying time (0 to 99 minutes).



NEW!

Parameters can also be set and stored for temperature in °C or °F as well as pressure in either psi or bar. In-line filters protect all pressure valves. Diameter x Depth: 9 x 18-Inch. Capacity: 19-Liters. Includes three removable and adjustable stainless steel tray shelves.

Prod. No.	Description	Unit
25122020	Steam Autoclave	1 each
2178800	Autoclave Gloves, 10-Inch Large	1 pair
2463100	Autoclave Tape	1 roll
2463300	Contaminated Items Bag	200 /pk
2714700	Sterilization Indicators	100 /pk
2811115	Sterikon® Plus Bio Indicators	15 /pk



Balance, Analytical, ScienTech— Zeta Series™

ScienTech Zeta Series balances feature a Patented unbreakable suspension system based on a direct-loading, electromagnetic cell, which differs dramatically from normal lever-configuration balance designs. The Zeta Analytical Balances deliver 0.1mg readabilities for weights up to 210g. All models feature a capacity tracker, which displays the used and unused portions of the weighing range, percent weighing, live animal weighing, parts counting, check weighing (used in process control), GLP/GMP/ISO compatibility, and five units of measure: g (grams), oz (ounces), ozt (troy ounces), dwt

(pennyweight), and ct (carats). Tare range of each model is 0 to full capacity. A selectable vibration filter adapts the balance to your working environment, and a stability indicator tells you when the reading is valid. Balances feature 5-year warranty, RS-232 interface and include an analytical windscreens. Calibration is via external weight, not included. Power supply: 100-240V, 50/60Hz.

Prod. No.	Capacity	Unit
2936701	80 g	1 each
2936801	120 g	1 each
2936901	210 g	1 each

Balance, Hanging Pan, Ohaus®

Ohaus Cent-O-Gram: good, general purpose hanging pan balance with 300 gram weighing capacity, sensitive to 0.01 g. Readings are taken from four beams of balance. Smallest increment is 0.01 g. Unit has magnetic-damping, specific gravity stand, and zero adjustment knob. Stainless steel weighing pan with handle and two pouring spouts. Pan diameter: 9.25 cm (3.64"). Depth: 1.3 cm (0.5"). Shipping weight: 2.1 kg (4.8 lb).



Prod. No.	Capacity	Unit
1476000	311 g	1 each

Balance, Laboratory, ScienTech— Zeta Series™



ScienTech Zeta Series balances feature a Patented unbreakable suspension system based on a direct-loading, electromagnetic cell, which differs dramatically from normal lever-configuration balance designs. The Zeta Laboratory Balance delivers 0.01g readability. Features include a capacity tracker which displays the used and unused

portions of the weighing range, percent weighing, live animal weighing, parts counting, check weighing (used in process control), GLP/GMP/ISO compatibility, and five units of measure: g (grams), oz (ounces), ozt (troy ounces), dwt (pennyweight), and ct (carats). Tare range is 0 to full capacity. A selectable vibration filter adapts the balance to your working environment, and a stability indicator tells you when the reading is valid. Balances feature 5-year warranty and RS-232 interface. Calibration is via external weight, not included. Power supply: 100-240V, 50/60Hz.

Prod. No.	Capacity	Unit
2937201	600 g	1 each

Balance, Moisture Analyzer, Ohaus®

The Ohaus Moisture Analyzer incorporates state-of-the-art halogen heating with precision weighing technology to quickly, effectively and affordably measure moisture content. Powerful software facilitates ease of use, as well as data storage and management. 45g model displays % moisture, % solids, Time, Weight, Temperature, Test ID and Drying Curve. 35g model displays % Moisture, Time Weight, and Temperature. Both models feature a 2-year manufacturer warranty.

Ideal applications include wastewater treatment, food and beverage, chemical, industrial, farming, construction and research labs.

Visit our website for the full list of features and to download your copy of the Moisture Analyzer brochure.



Capacity	Timer	Temperature Range	Readability
35 g	1 - 120 min, 30 sec units	50 to 160°C, 5°C units	0.005 g
45 g	1 - 120 min, 10 sec units	50 to 200°C, 1°C units	0.001 g

Prod. No.	Description	Capacity	Unit
2946401	115 V, North American Plug	35 g	1 each
2946402	115 V, North American Plug	45 g	1 each
2946403	230 V, Euro Plug	35 g	1 each
2946404	230 V, Euro Plug	45 g	1 each

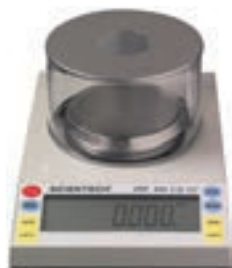
Moisture Analyzer Accessories

Prod. No.	Description	Unit
2948600	Aluminum Sample Pans	50 /pk
2507600	Glass Fiber Pads	200 /pk

Balance, Precision, ScienTech®— Zeta Series™

ScienTech Zeta Series balances feature a Patented unbreakable suspension system based on a direct-loading, electromagnetic cell, which differs dramatically from normal lever-configuration balance designs. The Zeta Precision Balances deliver 1mg readabilities for weights up to 500g. All models feature a capacity tracker which displays the used and unused portions of the weighing range,

percent weighing, live animal weighing, parts counting, check weighing (used in process control), GLP/GMP/ISO compatibility, and five units of measure: g (grams), oz (ounces), ozt (troy ounces), dwt (pennyweight), and ct (carats). Tare range is 0 to full capacity. A selectable vibration filter adapts the balance to your working environment, and a stability indicator tells you when the reading is valid. Balances feature 5-year warranty, RS-232 interface and include an analytical windscreen. Calibration is via external weight, not included. Power supply: 100-240V, 50/60Hz.



Prod. No.	Capacity	Unit
2937001	250 g	1 each
2937101	500 g	1 each

Order online at: hach.com

- Quick and easy access to your account at any time.
- View complete order status and history.
- Maintain your "favorites" list, request quotes, and much more!



Balance, Portable, A&D®

Simple and easy to operate, this rugged field balance features a stability indicator, overload indicator, simple external calibration, large LCD display, auto power off, 2-year warranty, and four units of measure: g, oz, ct and tl. Includes convenient carrying case, stainless steel pan, AC power adaptor and 4 AA batteries. Overall dimensions: 5.1" x 7.6" x 2.0". Weight: 1.1 lb. Pan Size: 5.1" in diameter. 200 g model measures in 0.1 g increments, while the 2000 g model measures in 1.0 g increments.



Prod. No.	Capacity	Unit
2946801	200 g	1 each
2946802	2000 g	1 each

Balance, Pocket

The YA Series Pocket Balance is smaller in size than most pocket scales and allows a comfortable fit in your pocket. The clamshell design case protects scale during transport. Bright blue backlight LCD display and four units of measure: g, oz, ct and grain. 500 g capacity scale measures in 0.1 g increments. Includes 2 AAA batteries.



NEW!

Prod. No.	Capacity	Unit
2796900	400 g	1 each

Balance Sets

ASTM Class 1 weights made from polished, non-magnetic stainless steel (≥ 50 mg) or aluminum (≤ 30 mg). NIST traceable certificate included. Sets packaged in polypropylene case and come with contoured weight-handling forceps.

NEW!



Prod. No.	Unit
2617600	1 each

See page 314 for Class M-2 Weight Set.

BAROMETER — BLENDER

Barometer

Dial Barometer features a large, clear, dual scale in hPa (hecto Pascal) and mm(mercury) on a 4-inch dial with wall mounts.



Prod. No.	Description	Unit
2694500	Dial Barometer	1 each

Beakers, Polypropylene, Nalgene®

Griffin style (low form) beakers from Nalgene are the industry standard for a wide variety of lab applications. Graduations are high quality screen printing in sizes >250mL. Bull nose lip and molded pour spout minimize spillage in liquid transfer. Autoclavable, non-toxic and biologically inert. Volumes and graduations are approximate.



Prod. No.	Capacity	Unit
108041	50 mL	1 each
108071	50 mL	12 /pk
108042	100 mL	1 each
108072	100 mL	12 /pk
108044	150 mL	1 each
108074	150 mL	12 /pk
108046	250 mL	1 each
108076	250 mL	6 /pk
108048	400 mL	1 each
108078	400 mL	6 /pk
108052	600 mL	1 each
108082	600 mL	4 /pk
108053	1000 mL	1 each
108083	1000 mL	3 /pk



Bath, Ultrasonic

Cleans small and medium sized parts, including spectrophotometer cells. Unit comes with heater, timer, and temperature control plus a 2.8 L (0.75-gal) capacity tank. Tank is resistant to most cleaning solutions. Dimensions: exterior (L x W x D) 33.8 x 30 x 29.5 cm (13.3 x 12 x 11.6)

Prod. No.	Description	Unit
2489500	115 Vac, 60 Hz North American Model	1 each
2489502	230 Vac, 50 Hz European Model	1 each

Blender, Industrial



This blender is tough enough to handle homogenizing wastewater, sludge, soil or heavy weight food samples for superior analytical results. Both models have thick walled glass containment jars and durable, rust free stainless steel blades.

Prod. No.	Description	Unit
2616100	Two-speed, 1.2-L container; 120 Vac-50/60 Hz	1 each
2616102	Two-speed, 1.2-L container; 240 Vac-50/60 Hz	1 each
2616105	Optional stainless steel container	1 each

Beakers, Glass

Griffin style (low form) beakers are the industry standard for a wide variety of lab applications. Graduations are high quality screen printing. Bull nose lip and molded pour spout minimize spillage in liquid transfer. Autoclavable, non-toxic and biologically inert. Volumes and graduations are approximate.



Prod. No.	Capacity	Unit
50041H	50 mL	1 each
50071H	50 mL	12 /pk
50042H	100 mL	1 each
50072H	100 mL	12 /pk
50044H	150 mL	1 each
50074	150 mL	12 /pk
50046H	250 mL	1 each
50076H	250 mL	12 /pk
50048	400 mL	1 each
50078	400 mL	12 /pk
50052	600 mL	1 each
50082	600 mL	6 /pk
50053	1000 mL	1 each
50083	1000 mL	6 /pk
50054	2000 mL	1 each
50084	2000 mL	4 /pk

BOILING CHIPS — BOTTLES

Boiling Chips



Carbon boiling chips are chemically inert to concentrated sulfuric acid, strong alkalis, and other chemicals. Carbon chips can be used for atmospheric or vacuum operations. Silicon carbide (carborundum) chips are random-sized pieces up to 2 mm long. Plain Hengar Granules for smooth boiling. High purity, amphoteric alundum granule. Hard porous surface. Will not crumble or powder. Four mesh granule size.

Prod. No.	Description	Unit
1483531	Carbon Boiling Chips	227 g
2055734	Silicon Carbide Boiling Chips	500 g
18501	Hengar Granules, Plain	250 g

Bottle, BOD, Disposable

- Fresh bottle, ready for use
- No cleaning required
- Unbreakable and recyclable
- Oxygen will not diffuse in or out of sample
- EPA compliant



Prod. No.	Description	Unit
2943100	Disposable 300 mL BOD Bottle	100 cs
2943900	Unbreakable Acrylic Stopper for 300 mL BOD Bottle	25 /pk
190901	Ground glass stopper for 60 mL and 300 mL bottles	1 each

Bottle, BOD Glass

The standard for BOD analysis. Borosilicate glass bottle with flared lip and ground-glass stopper to prevent air entrapment and for water seal. Frosted marking area. Stopper included. Serialized bottles have silk-screened, sequential numbers and include a bar code.



Prod. No.	Capacity	Description	Unit
190902	60 mL	Marked 30 mL Graduation Line	1 each
62100	300 mL	Unlabeled	1 each
62106	300 mL	Unlabeled	6 /pk
62124	300 mL	Glass BOD Bottles	24 /pk
2898700	300 mL	Serialized; 1-24	24 /pk
2898800	300 mL	Serialized; 25-48	24 /pk
2898900	300 mL	Serialized; 49-72	24 /pk
2086047	300 mL	Bottle with Black PVC Coating	1 each
2937906	473 mL	Replacement bottles for BODTrak	6 /pk
714421	473 mL	Replacement bottles for BODTrakII	6 /pk

Accessories

Prod. No.	Description	Unit
190901	Ground glass stopper for 60 mL and 300 mL bottles	1 each
241906	Snap-caps, improves the integrity of a standard water seal	6 /pk
2985100	BOD bottle cleaning brush	1 each

Bottle, Drop-Dispensing Assembly



Round polyethylene bottle complete with dropper plug and cap for easy and precise liquid dispensing. Separate glass or plastic dropper available for 59 mL bottle.

Prod. No.	Description	Unit
2938106	15 mL (0.5 oz) Bottle with Cap & Plug	6 /pk
2937506	29 mL (1.0 oz) Bottle with Cap & Plug	6 /pk
2937606	59 mL (2.0 oz) Bottle with Cap & Plug	6 /pk
Dropper Only		
2355237	Plastic Dropper Only, fits 59 mL Bottle	1 /pk

Bottle, Drop-Dispensing

Low density polyethylene (LDPE) bottle with polypropylene screw cap. Bottle dispenses one drop at a time with easy, one-handed operation.



Prod. No.	Capacity	Unit
2086269	15 mL (0.5 oz)	12 /pk
2086250	30 mL (1.0 oz)	12 /pk
2086280	60 mL (2.0 oz)	12 /pk
2086273	125 mL (4.2 oz)	12 /pk
2086256	250 mL (8.5 oz)	6 /pk

Bottle, Dropper

The Polystop™ Dropper Bottle provides a distinct advantage over other glass dropper bottles. The dropper section easily pulls free for use while the polypropylene stopper remains snugly in the neck of the bottle, which helps prevent chipping the glass dropper section.



Prod. No.	Capacity	Unit
2929902	60 mL (2.0 oz)	1 each
2929903	125 mL (4.2 oz)	1 each

Bottle, Sampling, Round, HDPE

High-density polyethylene bottle with wide-mouth (89 mm) opening. Excellent sampling bottle for grab samples, storing dry chemicals, and shipping liquids.



Prod. No.	Capacity	Unit
2087117	2-L (2 qt)	1 each
2087154	4-L (1 gal)	1 each

Find it here... Buy it today on hach.com

U.S. customers only.



BOTTLES

Bottle, Sampling, Round, LDPE

Low-density polyethylene (LDPE) bottles feature wide-mouth opening for easy filling and leak-proof polypropylene closure. Great choice for grab samples, shipping liquids, soil sampling, and storing dry chemicals.



Prod. No.	Capacity	Unit
2087050	30 mL (1.0 oz)	12 /pk
2087073	125 mL (4.2 oz)	12 /pk
2087076	250 mL (8.5 oz)	12 /pk
2087079	500 mL (16.8 oz)	12 /pk
2087083	1000 mL (33.8 oz)	6 /pk

Bottle, Storage, Autoclavable

Wide-Mouth, polyethylene bottles suitable for sample collection to chemical storage. Matched polypropylene caps have a valve-seal design for a perfect, leak-proof fit. A protruding ring under the cap holds shrink-wrapping securely in place. Autoclavable 121°C (Do not autoclave with caps in place).



Prod. No.	Capacity	Unit
2939103	125 mL (4.2 oz)	12 /pk
1472456	250 mL (8.5 oz)	12 /pk
1472459	500 mL (16.8 oz)	12 /pk
1472463	1-L (33.8 oz)	6 /pk

Bottle, Storage, Amber, Glass

Amber glass protects contents from damaging effect of sunlight. Includes polypropylene cap for closure.



Prod. No.	Capacity	Unit
2937706	118 mL (4.0 oz)	6 /pk
2937806	237 mL (8.0 oz)	6 /pk
2937906	437 mL (16.0 oz)	6 /pk
2938006	1-L (33.8 oz)	6 /pk

Bottle, Storage, Oblong

Capacity: 118 mL. Polyethylene oblong storage bottle with cap. Optional Child-Resistant cap and Glass Dropper sold separately.



Prod. No.	Description	Unit
2937406	118 mL (4 oz) Bottle with cap	6 /pk
2323006	Child-Resistant cap	6 /pk
2318506	Glass Dropper Assembly (fits 118 mL bottle 2937406)	6 /pk

Bottle, Storage, Amber, Glass, Wide-Mouth

Protects contents from damaging effects of sunlight. Referenced in a variety of Standard Method water analysis procedures. Cap size is 53-400 with a PE Teflon face.



Prod. No.	Capacity	Unit
2951401	1-L (33.8 oz)	1 each

Bottle, Storage, Rectangular

Heavy-walled, translucent, high-density polyethylene (HDPE) bottle features wide mouth for easy filling and leak-proof polypropylene cap. Rectangular shape for maximum space efficiency and less damage in shipping. Suitable for both aqueous solutions and solid samples.



Prod. No.	Capacity	Unit
2086773	125 mL (4.2 oz)	12 /pk
2086776	250 mL (8.5 oz)	12 /pk
2086779	500 mL (16.8 oz)	12 /pk
2086783	1000 mL (33.8 oz)	6 /pk
2086784	2000 mL (67.6 oz)	4 /pk

Bottle, Storage, Amber, Polyethylene

High-density polyethylene bottle with leak-proof polypropylene cap. Ideal for storage of light sensitive materials, solid or liquid.



Prod. No.	Capacity	Unit
2085859	500 mL (16.8 oz)	6 /pk
2085863	1-L (33.8 oz)	3 /pk

Bottle, Storage, Round

Low-density polyethylene (LDPE) round bottle for storing liquids and dry samples.



Prod. No.	Capacity	Unit
2511500	237 mL (8 oz)	6 /pk
2511600	473 mL (16 oz)	6 /pk

Bottle, Storage, Square

High-density polyethylene bottle with leak-proof polypropylene cap. Square design saves space, while wide-mouth allows for easy fill and removal of contents.



Prod. No.	Capacity	Unit
2086871	60 mL (2.0 oz)	12 /pk
2086874	175 mL (6.0 oz)	12 /pk
2086879	500 mL (16.8 oz)	12 /pk
2086883	1000 mL (33.8 oz)	6 /pk

Bottle, Wash, Nalgene®

Narrow mouth polypropylene screw closure and stem feature one-piece construction to ensure a leak proof seal. Tip can be cut back to increase flow. 500mL (16.8 oz). Capacity, 28mm mouth). Choose from 4 cap/stem colors.



Prod. No.	Description	Unit
2928201	Nalgene LDPE Bottle, Yellow Cap/Stem	6 /pk
2928202	Nalgene LDPE Bottle, Blue Cap/Stem	6 /pk
2928203	Nalgene LDPE Bottle, Green Cap/Stem	6 /pk
2928204	Nalgene LDPE Bottle, Red Cap/Stem	6 /pk

Bottle, Storage, Write-On

Large dedicated labeling areas help to standardize the way bottle contents are identified. A separate area is provided for name and a larger area allows for detail of contents or safety information and includes a defined space for date information. Bottles are wide-mouth, and molded of rugged HDPE in 500 and 1000 mL sizes with leak proof polypropylene cap.



Prod. No.	Capacity	Unit
2930003	500 mL (16.8 oz)	12 /bag
2930004	1000 mL (33.8 oz)	6 /bag

Bottle, Wash, Red

Color indicates flammable or dangerous contents. Bottle is polyethylene with polypropylene screw cap.



Prod. No.	Capacity	Unit
2086946	250 mL (8.4 oz)	1 each
2929101	250 mL (8.4 oz)	6 /pk
2086949	500 mL (16.8 oz)	1 each
2929103	500 mL (16.8 oz)	6 /pk

Bottle, Wash

Polyethylene bottle with polypropylene closure and stem molded in one piece for leak-proof service. Tip can be cut back to increase flow. Available in Narrow or Wide Mouth.



Prod. No.	Description	Capacity	Unit
2930101	Narrow Mouth	125 mL (4.2 oz)	12 /bag
2930102	Narrow Mouth	250 mL (8.4 oz)	12 /bag
2930103	Narrow Mouth	500 mL (16.8 oz)	12 /bag
2927202	Wide Mouth	250 mL (4.2 oz)	12 /bag
2927203	Wide Mouth	500 mL (16.8 oz)	6 /bag
2927204	Wide Mouth	1000 mL (33.8 oz)	3 /bag

Bottle, Wash, Symbol Alert

Wide-mouthed and color-coded wash bottles provide safe and positive identification of common laboratory solutions. Standard Diamond Alert symbols indicate type of hazard contents may represent. Polyethylene bottles with color-coded polypropylene screw caps and spray-tip assembly. Variety 6-pack includes one bottle each for water, acetone, methanol, isopropanol, toluene, and ethanol.



Prod. No.	Capacity	Unit
2613049	500 mL (16.8 oz)	6 /pk

Bottle, Wash, Autoclavable

Polypropylene co-polymer bottle with specially molded polypropylene screw closure for leak-proof service. Autoclavable. Before autoclaving, set cap on top of bottle without engaging threads.



Prod. No.	Capacity	Unit
2930201	500 mL (16.8 oz)	6 /bag
2930202	1000 mL (33.8 oz)	4 /bag

Bottle, Wash, Wide-Mouth

Low-density polyethylene bottle with polypropylene screw closure features tubulation molded into bottle to eliminate any possibility of leakage. Entire contents can be dispensed without tipping or shaking.



Prod. No.	Capacity	Unit
62014	125 mL (4.2 oz)	1 each
62031	250 mL (8.4 oz)	1 each
62011	500 mL (16.8 oz)	1 each
62075	750 mL (24.0 oz)	1 each
62016	1000 mL (33.8 oz)	1 each

BOTTLES — BRUSHES

Bottle Carrier, Nalgene®

Linear, low-density polyethylene. Securely holds up to six standard 0.5 L glass bottles, pint-size reagent bottles, and most other 500 mL glass or plastic bottles—making breakage almost impossible. Lightweight, chemical-resistant, and easy to clean. Dimensions: 34.9 x 24.8 x 27.6 cm (14 x 10 x 11").



Prod. No.	Unit
2094300	1 each

Brush, BOD Bottle

Cleaning brush ideal for cleaning standard glass BOD bottles.

- Brush Diameter: 1- 3/8"
- Brush Length: 3-1/2"
- Overall Length: 12"



Prod. No.	Description	Unit
2985100	BOD bottle cleaning brush	1 each

Brush, Bottle

The pivot head on this brush swivels, enabling you to thoroughly clean bottles and flasks, including difficult curves and corners. Natural bristles set in wood will not scratch glass. Uniquely designed head fits through a 29/26 standard taper neck or any neck with a diameter of 24mm (1") or more. The brush has a 45mm (1-1/4") wooden back and a 33cm (13") long hardwood handle.



Prod. No.	Unit
2929601	1 each

Brush, Buret



Ideally shaped for quick and thorough cleaning of burets and other similarly shaped vessels. Unbleached white nylon bristles are supported by twisted galvanized steel wire. Brush portion measures 8 cm (3.1") in length. Fan style tip. 1.3cm (0.5") Dia. 76cm (30") L.

Prod. No.	Description	Brush Diameter	Total Length	Unit
68500	25 mL Buret Brush	1.3 cm (0.5)	76 cm (30)	1 each
68600	50 mL Buret Brush	2.0 cm (0.79)	91 cm (35.8)	1 each

Brush, Cylinder



Brush part 13 cm (5) length, 5 cm (2) diameter. Total length: 33 cm (13). Heavily filled with black bristles on galvanized wire. Radial tufted end.

Prod. No.	Description	Unit
68700	Cylinder cleaning brush, size 2	1 each

Brush, General Purpose



Ideal for general cleanup and minor spills of dry materials, brush features an ergonomically molded polymer handle with soft polymer bristles. Use on countertops, lab benches, tile floors and more.

Prod. No.	Unit
2241400	1 each

Brush, Imhoff Cone



Brush part 25 cm (10") length, 10 cm (4") diameter tapering to 2 cm (0.79"). Wooden handle. Length: 38 cm (15"). Fan-style tip, perfect for cleaning your Imhoff Cone.

Prod. No.	Description	Unit
68800	Imhoff Cone Cleaning Brush	1 each

Brush, Pipet



Brush part, 15 cm (6"); 2 cm (0.79") diameter tapering to 0.6 cm (0.24"). Total length of brush: 44 cm (17.3"). Soft gray hair on galvanized wire.

Prod. No.	Unit
68900	1 each

Brush, Test Tube



Brush part, 9 cm (3.5") length; 2 cm (0.79") diameter. Total length: 24 cm (9.5"). Unbleached white bristles on galvanized wire. Radial tufted end.

Prod. No.	Unit
69000	1 each

Bucket, Graduated

White high-density polyethylene. Handle and wide-lipped pour-spout. Liter and pint graduations.



Prod. No.	Capacity
2087300	10 L

Buret, Acrylic



Durable, crystal-clear acrylic body is individually calibrated to meet the accuracy requirements of ASTM E287. Leak-proof stopcock with self-lubricating Teflon TFE plug. Excellent for general lab or field use in schools, industrial, municipal or food applications. Unaffected by dilute mineral acids and bases (except hydrofluoric acid and ammonium hydroxide). Can contain liquids within a pH range of 1-14 and up to 5% wt/wt of acids or 30% bases can be used. Not designed for exposure to alcohol or organic solvents.

Prod. No.	Resolution	Capacity	Tolerance	Unit
1405940	0.1 mL	25 mL	± 0.06 mL	1 each
1405941	0.1 mL	50 mL	± 0.1 mL	1 each

Buret, Automatic, Glass



Glass reservoir and buret with PTFE stopcock create an easy to use workstation for standard solutions. Subdivisions of 1.0 mL and 0.1 mL.

Prod. No.	Buret Capacity	Reservoir Capacity	Unit
2261438	10 mL	500 mL	1 each
2261440	25 mL	1000 mL	1 each

Replacement Components

Prod. No.	Description	Unit
2261432	10 mL Buret	1 each
2261442	25 mL Buret	1 each
50444	Glass T for Buret	1 each
50445	Bulb and connecting tube	1 each
50450	2-hole stopper for 500 mL Flask	1 each
50449	2-hole stopper for 1000 mL Flask	1 each
2261451	PTFE Stopcock	1 each
2489449	500 mL Flask	1 each
2489453	1000 mL Flask	1 each

Buret, Automatic, Class A

Calibrated to ASTM E694 standard. NIST traceable, Class A buret with 70 mL reservoir. 5.0 mL buret capacity with 0.1 mL subdivision (tolerance ±0.01 mL). Reservoir stopper and #2 PTFE stopcocks included.



Prod. No.	Description	Unit
2055037	5 mL Automatic Buret	1 each
2095661	Replacement Stopcock	1 each

Buret, Automatic, Self-Zeroing

Durable, crystal-clear acrylic buret is calibrated to meet ASTM E287 requirements. Leak-proof stopcock with self-lubricating Teflon TFE plug. Unaffected by dilute mineral acids and bases (except hydrofluoric acid and ammonium hydroxide). Handles liquids with a pH range of 1-14 and up to 5% wt/wt of acids or 30% bases can be used. Not designed for exposure to alcohol or organic solvents. Includes low density polyethylene squeeze bottle and 36" tubing for easy self-zeroing set up for titration work stations. Dust cover included.



Prod. No.	Capacity	Subdiv.'s	Reservoir Capacity	Unit
2087640	25 mL	0.1 mL	500 mL	1 each
2087641	50 mL	0.1 mL	1000 mL	1 each

BURETS — CARRIER TRAY

Buret, Glass, Class A



Glass, funnel-fill buret. Certified Class A (ASTM Specification E287) with permanent serial number and certificate for NIST traceability. PTFE stopcock does not require grease. Dust cap included. 10 mL buret meets requirements for potentiometric titrations (ASTM D664).

Prod. No.	Capacity	Subdiv.'s	Tolerance	Length	Unit
2636538	10 mL	0.5 mL	± 0.02 mL	66.4 cm	1 each
2636540	25 mL	0.1 mL	± 0.03 mL	61.4 cm	1 each
2636541	50 mL	0.1 mL	± 0.05 mL	74.5 cm	1 each
2636542	100 mL	0.2 mL	± 0.1 mL	79.1 cm	1 each

Buret Kit, Self-Zeroing

Economical kit turns any 25 or 50 mL buret into an auto-filling, self-zeroing titration work station. Can be used with most aqueous titrants. Kit includes 1000 mL low-density polyethylene reservoir, 48" of tubing, connectors, reservoir tubing and extra closure without tubing hole for storing titrants or carrying to the field.



Prod. No.	Unit
2073900	1 each

Carboy, Cylindrical

Low-density polyethylene with a leak-proof polypropylene screw closure. Molded in spigot provides strength and leak-proof operation. 10 L and 20 L sizes have wide shoulder handles.



Prod. No.	Description	Unit
1486817	4 L Capacity	1 each
1486858	10 L Capacity	1 each
1486860	20 L Capacity	1 each
2182700	Replacement Spigot	1 each

Carboy, Lowboy



Made of high-density polyethylene. Low-profile design fits into narrow spaces, on shelves, and in refrigerators. Stacks up to three high to save space. Large, integral hand grip makes carrying easy. 8 L size can be stacked on 15 L size. For storage and dispensing of reagents, distilled water, titrants, and other liquid storage needs. Will tolerate strong acids and bases, alcohols, and ketones. Not recommended for use with other organic solvents. Leak-proof. Includes spigot.

Prod. No.	Description	Capacity	Unit
2075408	16.3 x 36.3 x 30 cm (6.4 x 14.3 x 11.8)	8 L (2 gal)	1 each
2075460	20.1 x 36.8 x 36.5 cm (7.9 x 14.5 x 14.4)	15 L (4 gal)	1 each

Carboy, Rectangular

Space-saving rectangular shape. With molded graduations. High-density polyethylene ensures tough, rigid carboy 20 L (5 gal) size has molded-in hand grips. Quick action spigot gives easy fluid control; incorporates two Teflon o-rings for positive seal.



Prod. No.	Description	Capacity	Unit
2098061	22 x 15 x 34 cm (8.7 x 5.9 x 13.4)	9 L (2.38 gal)	1 each
2098080	32 x 22 x 38 cm (12.6 x 8.7 x 14.9)	20 L (5.28 gal)	1 each

Carrier Tray

Steam autoclavable, polypropylene molded tray has built-in handle for easy carrying of reagents or laboratory ware using one hand.



Prod. No.	Unit
2938300	1 each

Casserole

With lip and flat porcelain handle, glazed inside and out except for rim.



Prod. No.	Description	Capacity	Unit
62762	8.5 x 4.5 cm (3.4 x 8.1 in)	140 mL	1 each
62763	9.5 x 5.0 cm (3.7 x 1.9)	210 mL	1 each

Clamp, Double Buret

Holds two burets from micro-size to 100 mL separately without slippage or obscured graduation lines and numbers. Built-in meniscus reader. Overall size, 24 x 13 cm (9.5 x 5.2") (W x L).



Prod. No.	Unit
32800	1 each

Centrifuge

Versatile benchtop unit for sample preparation such as settleometer test. Stainless-steel motor shaft and permanently lubricated ball bearings provide long, trouble-free service life. Centrifuge accepts tubes with dimensions of 13 to 17mm diameter x 100 to 133mm long.



Capacity	Speed	Timing	Rotor
6 tubes x 15 mL	300 rpm - 6,500 rpm; 4,000 x g	0.5 - 30 min	Six-Place (fixed angle)

Prod. No.	Description	Unit
2676500	115 Vac, 60 Hz	1 each
2676502	230 Vac, 50 Hz	1 each

Centrifuge Tubes

Prod. No.	Description	Unit
2278739	Polycarbonate, Round Bottom, 15 mL Tube, Non-Graduated	10 /pk
2115839	Polycarbonate, Conical Bottom, 15 mL Tube, Molded graduations	10 /pk
2585220	Friction-fit caps for tubes	10 /pk

Clamp, Double Buret

Linear polyethylene. Non-corrosive clamp holds buret firmly in place without obscuring graduations. Center clamp tightens to a standard support rod. Includes 1.25 cm (0.5") and 0.95 cm (0.4") bushings.



Prod. No.	Unit
2087801	1 each

Clamp, Rod and Pipe

For rods or pipes between 1.1 and 2.2 cm (0.43 to 0.87") diameter in any type of right-angle clamp setup (horizontal or vertical). Comes with two 45° angle ribbed thumb screws. Not recommended for use with support ring stands.



Prod. No.	Description	Unit
32600	Support Stand Clamp	1 each

Clamp, Screw Compression

Nickel-plated brass. For rubber and plastic tubing.



Prod. No.	Description	Unit
63301	1.6 x 2.5 cm (0.63 x 0.98)	1 each
63317	1.3 x 1.9 cm (0.5 x 0.75)	1 each

Clamp, Test Tube

Self-closing. Brass wire. For tubes up to 2.5 cm in diameter.



Prod. No.	Unit
63400	1 each

Clamp, Three-Prong

Vinyl-covered jaws operate independently of solid aluminum extension rod, 1.1-cm (0.43") diameter. Jaw capacity: 8.9 cm (3.5"). Brass pivot pin. Total length: 27.9 cm (10.9").



Prod. No.	Unit
42200	1 each

CLAMPS – CYLINDERS

Clamp, Tubing

Molded, white polycarbonate. Autoclavable. Will not distort, rust or corrode. Mini-clamp is a single position on/off clamp for use with thin-walled tubing under 4.7 mm (3/16") O.D. Larger clamp has 15 positions, stepped control to throttle flow from full open to complete closure. Fits tubing from 3.2 mm (1/8") to 11 mm (3/8") O.D.



Prod. No.	Unit
2087901	12 /pk

Clamp, Two-Prong

Flat, vinyl-covered jaws hold firmly at any angle. One jaw is fixed; the other opens against a stainless steel compression spring. Clamps are nickel-plated zinc with seamless brass extension tube, compressing screw, and pivot pin. Jaw capacity: 3.8 cm (1.5"). Total length: 20 cm (7.8").



Prod. No.	Unit
2114500	1 each

Clamp, Two-Prong Swivel

Perfect for cylinder shaped glassware. Swivel feature allows for complete circular adjustments. Clamp complete with both slip-on vinyl and fiber glass grip sleeves. Length 5 - 7/16" (138 mm). Open diameter is 3" (77 mm). Flask and Support Rod sold separately.



Prod. No.	Unit
2503400	1 each

Cotton Balls

For use in a variety of laboratory applications.



Prod. No.	Description	Unit
257201	Ultra absorbent cotton balls	100 /pk

Crucible, Gooch

Perforated bottom, glazed inside and out except for outside bottom surface. Filter for Gooch Crucible available and sold separately. 25-mL Gooch Crucible is recommended for use in Standard Methods 2540 C and 2540 D to determine Total Suspended Solids.



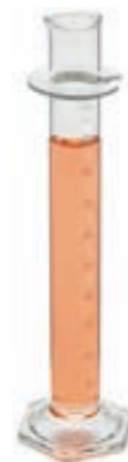
Prod. No.	Capacity	Unit
2098640	25 mL	1 each
2098641	40 mL	1 each

Accessories

Prod. No.	Description	Diameter	Pore Size	Unit
2198720	Glass Fiber Disk for Gooch Crucible	0.8 in (20 mm)	1.5 µm	100 /pk
2198725	Glass Fiber Disk for Gooch Crucible	1 in (25 mm)	1.5 µm	100 /pk
2233200	Crucible Holder	Holds 25 mL crucible. Fits flasks with stopper sizes 6-8.		1 each

Cylinder, Graduated, Glass

Calibrated to deliver glass cylinder. Single metric scale in durable white markings.



Prod. No.	Description	Capacity	Subdiv.'s	Tolerance	Unit
50837	To Deliver	5 mL	0.1 mL	± 0.1 mL	1 each
50838	To Deliver	10 mL	0.2 mL	± 0.2 mL	1 each
50840	To Contain	25 mL	0.5 mL	± 0.3 mL	1 each
50841	To Contain	50 mL	1.0 mL	± 0.4 mL	1 each
50842	To Contain	100 mL	1.0 mL	± 0.6 mL	1 each
50846	To Contain	250 mL	2.0 mL	± 1.4 mL	1 each
50849	To Contain	500 mL	5.0 mL	± 2.6 mL	1 each
50853	To Contain	1000 mL	10.0 mL	± 5.0 mL	1 each

Cylinder, Graduated, Glass with Red Background, Low Form

Tuttle-type glass cylinder calibrated "to deliver". Features two pour spouts and a single white metric scale.



Prod. No.	Capacity	Height	Subdiv.'s	Tolerance	Unit
2064341	50 mL	140 mm	1.0 mL	± 1 mL	1 each
2064342	100 mL	156 mm	2.0 mL	± 2 mL	1 each

Cylinder, Graduated, Glass Double Metric, Low Form

These graduated cylinders feature two sets of graduations for reading either up or down, and two pouring lips Calibrated "to deliver".



Prod. No.	Capacity	Height	Subdiv.'s	Tolerance	Unit
2928401	50 mL	145 mm	1.0 mL	± 1.5 mL	1 each
2928402	100 mL	150 mm	2.0 mL	± 1 mL	1 each

Cylinder, Graduated, Glass Double Metric, Tall Form

These glass pyrex graduated cylinders feature two sets of graduations for reading either up or down Calibrated "to deliver".



Prod. No.	Capacity	Height	Subdiv.'s	Tolerance	Unit
2928301	50 mL	225 mm	1.0 mL	± 0.5 mL	1 each
2928302	100 mL	254 mm	1.0 mL	± 1 mL	1 each
2928303	250 mL	340 mm	2.0 mL	± 2 mL	1 each
2928304	500 mL	500 mm	5.0 mL	± 4 mL	1 each
2928305	1000 mL	465 mm	10.0 mL	± 6 mL	1 each

Cylinder, Graduated, Polypropylene

Polypropylene construction of both cylinder and base. All sizes have generous pour spout, large molded-in, and easy-to-read graduations. Can be chemically sterilized without affecting accuracy. Autoclavable, but accuracy will be adversely affected. Cylinders meet accuracy requirements of ASTM Class B, E1272, ISO Standard 6706, and CFR 21, Part 177.1520.



Prod. No.	Capacity	Subdiv.'s	Tolerance	Unit
108138	10 mL	0.2 mL	± 0.20 mL	1 each
108140	25 mL	0.5 mL	± 0.34 mL	1 each
108141	50 mL	1.0 mL	± 0.50 mL	1 each
108142	100 mL	1.0 mL	± 1.00 mL	1 each
108146	250 mL	2.0 mL	± 2.00 mL	1 each
108149	500 mL	4.0 mL	± 4.00 mL	1 each
108153	1000 mL	10.0 mL	± 6.00 mL	1 each
108154	2000 mL	12.0 mL	± 12.00 mL	1 each

Cylinder, Graduated, Glass, Class A

Certified Class A, this glass cylinder is calibrated "to deliver" according to ASTM E542 & E1272. Serialized and traceable to NIST standards (includes Certificate of Identification and Capacity). Single metric scale in white marking with funnel-top. Bumper guard included for all sizes greater than 10 mL.



Prod. No.	Capacity	Subdiv.'s	Tolerance	Unit
2636238	10 mL	0.1 mL	± 0.09 mL	1 each
2636240	25 mL	0.2 mL	± 0.17 mL	1 each
2636241	50 mL	1.0 mL	± 0.25 mL	1 each
2636242	100 mL	1.0 mL	± 0.4 mL	1 each
2636246	250 mL	2.0 mL	± 0.8 mL	1 each
2636249	500 mL	5.0 mL	± 1.3 mL	1 each
2636253	1000 mL	100.0 mL	± 2.5 mL	1 each

Cylinder, Graduated, Polypropylene, HOLDFAST™

One-piece polypropylene construction with a molded in handle top ensure a secure, solid grip and superior control for safer, more convenient pouring. The "Total Contained, Total Delivered" double scale is accurate and easy to read (cylinder will not create a meniscus), while the hexagonal base prevents tipping or rolling. Hand opening is 89 x 29 mm (3 x 1-1/8"). Steam autoclavable up to 121°C (250°F).



Prod. No.	Capacity	Unit
2612953	1000 mL	1 each
2612954	2000 mL	1 each

Cylinder, Graduated, Polymethylpentene

This cylinder features transparent, nontoxic, noncontaminating, and biologically inert material with excellent chemical resistance. Meets ASTM E1272 Class B accuracy requirements, ISO Standard 6706, and suitable for food and beverage use (PMP resin meets requirements of CFR 21, Part 177.1520). Calibrated "To Contain/To Deliver" at 20°C (68°F). Shatterproof and thermally resistant to 135°C (275°F). Absence of meniscus for easy-to-read levels on front-to-back raised graduations.



Prod. No.	Capacity	Subdiv.'s	Tolerance	Unit
217240	25 mL	0.5 mL	± 0.34 mL	1 each
217241	50 mL	1.0 mL	± 0.50 mL	1 each
217242	100 mL	1.0 mL	± 1.00 mL	1 each
217246	250 mL	2.0 mL	± 2.0 mL	1 each
217249	500 mL	5.0 mL	± 4.00 mL	1 each
217253	1000 mL	10.0 mL	± 6.00 mL	1 each

Cylinder, Graduated, Mixing, Glass

This glass graduated cylinder is calibrated "to contain" with a molded in base. Each includes glass penny head stopper. Graduations are in durable white enamel bake.



Prod. No.	Capacity	Subdiv.'s	Tolerance	Stopper Size	Unit
2088638	10 mL	0.2 mL	± 0.1 mL	13	1 each
2088640	25 mL	0.1 mL	± 0.2 mL	13	1 each
2088641	50 mL	1.0 mL	± 0.5 mL	16	1 each
2088642	100 mL	1.0 mL	± 1 mL	16	1 each

Find it here... Buy it today on hach.com

U.S. customers only.

CYLINDERS — DESICCATORS

Cylinder, Graduated, Mixing, Class A

This certified, Class A glass mixing cylinder is calibrated "to contain" according to ASTM E542 & E1272. Serialized and traceable to NIST standards (includes Certificate of Identification and Capacity). Single metric scale in durable white markings with funnel-top. Glass penny head stopper included.



Prod. No.	Capacity	Subdiv.'s	Tolerance	Stopper	
				Size	Unit
2636340	25 mL	0.2 mL	± 0.14 mL	13	1 each
2636341	50 mL	1.0 mL	± 0.2 mL	16	1 each
2636342	100 mL	1.0 mL	± 0.35 mL	22	1 each
2636349	500 mL	5.0 mL	± 1.1 mL	32	1 each

Cylinder, Graduated, Mixing, Class B

Scale is durable white ceramic enamel. Designed to meet ASTM Specification E1272, Style 2 (Class B). Includes glass stopper.



Prod. No.	Capacity	Subdiv.'s	Tolerance	Stopper	
				Size	Unit
189640	25 mL	0.5 mL	± 0.4 mL	13	1 each
189641	50 mL	1.0 mL	± 0.6 mL	16	1 each

Cylinder, Graduated, Polycarbonate

Clear polycarbonate cylinder is autoclavable and withstands temperatures to 138°C (280°F). Features easy to read graduations in durable fused ink.



Prod. No.	Capacity	Subdiv.'s	Unit
2117940	25 mL	0.5 mL	1 each
2117941	50 mL	0.5 mL	1 each
2117942	100 mL	1.0 mL	1 each
2117946	250 mL	2.0 mL	1 each
2117949	500 mL	5.0 mL	1 each
2117953	1000 mL	10.0 mL	1 each

Desiccant

Indicating Drierite changes from a blue color when dry to red upon absorption of moisture. Packaged in 454-g (1 lb) containers.



Prod. No.	Description	Unit
2285901	Drierite (without indicator)	1
2088701	Indicating Drierite	1

Desiccator Cabinet, Non-Vacuum

Stackable, polystyrene, transparent from any side. Door has foam rubber gasket, two roller latches for airtight fit. Jar of silica gel included. Inside dimensions: 21 x 18 x 13 cm (8.25 x 7 x 5"). Door opening: 19 x 11 cm (7.5 x 4.4"). Desiccator Grease available and sold separately.



Prod. No.	Description	Unit
2618100	Polystyrene Desiccator	1 each
56275	Desiccator Grease	1 each

Desiccator, Polycarbonate

Round polycarbonate cover and polypropylene base create implosion-proof chamber at full vacuum. Chamber is impervious to alkali and acidic conditions. Recessed rim prevents grease (not included) from contacting bench surfaces when removed and eliminates need for a separate gasket. Vacuum model features leak-proof stopcock. Dimensions (height x diam): 245 mm x 330 mm (9.7" x 13"). Holds 454 g (1 lb) of desiccant. Ceramic desiccator plate (sold separately) is inert, non-stick, and corrosion resistant. Quadrants crafted into plate for easy tracking of material locations. Plate diameter: 230 mm (9").



Prod. No.	Description	Unit
2088800	Vacuum Desiccator	1 each
1428400	Ceramic Desiccator Plate (Non-Vacuum)	1 each
1428500	Non-vacuum Desiccator	1 each
56275	Desiccator Grease	1 each

Desiccator, Polycarbonate

Round polycarbonate top provides lightweight vessel with unmatched transparency. Polypropylene lower section creates support chamber at full vacuum. Stopcock for vacuum applications (1/4-3/8" OD vacuum tubing, sold separately). Holds 28 in Hg (711 mm) for 24 hrs. Silicone O-ring makes grease unnecessary. For room temperature, non-organic solvent, and non-autoclave uses only. Optional Ceramic Desiccator Plate available and sold separately. Ceramic Plate features marked, numbered quadrants for easy location of crucibles and other containers.



Prod. No.	Description	Unit
2238300	Polycarbonate Desiccator	1 each

Detergent, Alcotabs®

Effervescent tablet. Recommended for glassware cleaning with siphon-tube rinsers. Contains phosphate.



Prod. No.	Description
2088200	100 tablets

Detergent, Alconox® Powder

Anionic powder for general-to-critical cleaning. pH 9.0-9.5. Contains phosphate.



Prod. No.	Description
2088000	1.8 kg (4 lb)

Detergent, Liqui-Nox®

Anionic and non-ionic detergents with wetting agents. pH 8.0-8.6.



Prod. No.	Description	Unit
2088117	3.78 L (1 gal)	3.78
2088153	946 mL (1 qt)	946

LAB SUPPLIES

Order online at:
hach.com

- Quick and easy access to your account at any time.
- View complete order status and history.
- Maintain your "favorites" list, request quotes, and much more!



Dish, Glass, Evaporating

Glass flat bottom dish with straight sides. Reinforced and firepolished rims reduce chipping. Ideal for storage and crystallization.



Prod. No.	Description	Unit
2764700	740 mL, 125 x 65 mm Dia. x H	1 each

Find it here... Buy it today on **hach.com**

U.S. customers only.

DISH — DISSOLVED OXYGEN METER

Dish, Evaporating, Porcelain



Deep-form, round bottom with lip. Glazed except for rim. Temperatures to 1500°C (max change = ±200°C/hr).

Prod. No.	Description	Unit
52590	70 mL, 75 x 30 mm Dia. x H	1 each
52561	120 mL, 94 x 42 mm Dia. x H	1 each
52565	250 mL, 115 x 45 mm Dia. x H	1 each

Dish, Disposable



Aluminum dish for evaporating and general utility use. Crimped sides for stability. Sturdy, with a flat bottom and slight taper for easy stacking. Dished include tabs for easy handling. Temperature range 0 to 426°C (800°F). Melting point 676°C (1250°F). Dish height approx. 3/4.

Prod. No.	Description	Unit
2164000	60 mL, 57 mm Dia.	100 pk

Dish, Moisture, Determination



Prod. No.	Description	Unit
2551910	Dish, Moisture Determination	50 pk

Dispenser, Digital, Adjustable-Volume

Attach dispenser directly to reagent bottle for adjustable dispensation with a single stroke. Inert hardware designed to handle alkaline, acidic and organic solutions. Autoclavable (121°C). Dispensers fits bottles with a 33 mm screw-neck finish (supplied with adapters to fit 28, 38 and 45 mm finishes). Dispenser rotates 360°.



Prod. No.	Description	Unit
2563140	1.0-10.0 mL	1 each
2563137	1.0-5.0 mL	1 each

Dissolved Oxygen Meter

Meter measures Dissolved Oxygen (DO) to determine water quality in a variety of applications including wastewater, aquariums and fish hatcheries. Simultaneously displays DO and temperature readings. Unit holds and recalls minimum and maximum readings. Features automatic temperature compensation and calibration to air. Meter is ready for use and includes a soft carrying case with belt loop, two spare probe heads, electrolyte and 4 AAA batteries.



Description	Range	Resolution	Accuracy
Dissolved Oxygen	0 ~ 20.0 mg/L	0.1 mg/L	±0.4 mg/L
Oxygen % in Air	0 ~ 100.0%	0.1%	±0.7%
Temperature	0 ~ 50.0°C	0.1°C	±0.8°C

Prod. No.	Description	Unit
2968800	DO meter	1 each
2968810	Replacement Probe Head	1 each
2968820	Replacement Electrolyte	1 each

DISTILLATION APPARATUS

Distillation Apparatus

Fast set-up for sample pretreatment. Distillation sets include only EPA approved glassware. Easy to set up because you only receive the parts you need. Illustrated, step-by-step procedures simplify distillation.

Prod. No.	Description	Unit
2265300	General Purpose Distillation Apparatus Set (Heater and support apparatus also required)	1 each
2265400	Arsenic Set (Heater and support apparatus also required)	1 each
2265800	Cyanide Set (Heater and support apparatus also required)	1 each

Accessories

Prod. No.	Description	Unit
2264806	Connector (20-400 to 20-400), J-tube, 6/pk	6 /pk
2274000	Connector (13-425), Thermometer	1 each
2274106	Connector (24-400 to 24-400), Cylinder, 6/pk	1 each
2265308	Distillation Procedures Manual	1 each
2274400	Heater and Support Apparatus, 115 Vac, 60 Hz	1 each
2274402	Heater and Support Apparatus, 230 Vac, 50 Hz	1 each
2274300	Laboratory Platform Jack	1 each
2635700	Thermometer, -10 to 225°C, 1 Divisions (°C), 405 mm (16)	1 each



Heater and Support sold separately

Distillation Apparatus Replacement Parts

Prod. No.	Description	General Purpose Set	Arsenic Set	Cyanide Set	Unit
50048	Beaker, Low Form 400 mL	•	•	•	1 each
50547	Flask, Erlenmeyer 300 mL	•	•	•	1 each
2095351	Stir Bar, Octagonal 25.4 X 7.9mm	•	•	•	1 each
2635700	Thermometer	•	•	•	1 each
2264649	Flask, Distillation 500 mL	•	•	•	1 each
2264706	Cat, Blk Phen 20-400 PTFE PK/6	•	•	•	1 each
2264806	Connector (20400 to 20400), J-tube 6/pk	•	•	•	6 /pk
2264900	J-Tube, 20-400	•	•	•	1 each
2265000	Condenser, 20-400	•	•	•	1 each
2265100	Drip Tube, 20-400 Screw Thread	•	•	•	1 each
2273900	Cap, black-phenolic, 13-425	•	•	•	1 each
2274000	Connector, Thermometer, 13-425	•	•	•	1 each
2274106	Connector (24400 to 24400), Cylinder 6/pk	•	•	•	1 each
2264467	Funnel, Powder PP 65 mm		•		1 each
2265500	Gas Scrubber, 20-400		•		1 each
54649	Flask, Filtering 500 mL			•	1 each
56018	Tubing, Rbr Latex 6.4 X 2.4 mm, 3.6M Length	•		•	12 ft
213100	Aspirator, Vacuum			•	1 each
1787500	Flowmeter, Air			•	1 each
1787700	Stopper Assy			•	1 each
1810602	Tubing, Latex, 3/16 ID, 2FT			•	2 ft
2265600	Thistle Tube			•	1 each

Find it here... Buy it today on hach.com

U.S. customers only.

FACE SHIELD — FILTERS

Face Shield, Polycarbonate

Fully adjustable head straps with padded brow provides comfort, while 15 wide x 8-1/2 tall polycarbonate shield provides outstanding splash protection. Shield also provides 99.9% UV protection up to 380 nm. Forehead cover and ledge design prevents fluids from splashing inside the window. Removable, steam autoclavable face shield. Meets ANSI Z87+ and CSA Z94.3 standards. Some assembly required.



Prod. No.	Description	Unit
2928101	Polycarbonate Face Shield	1 each

Filter, Groundwater, High Capacity, GWV

Compact, disposable in-line filters for dissolved metals analysis. Eliminate cleaning and autoclaving steps and reduce multiple filter changes when sampling silt and particulate-laden groundwater. Polypropylene Housing. Supor® Filters: 0.45 m pore size; 600 cm² effective filtration area; 6.8 cm diameter; 13.7 cm with fittings; tapered hose barb accepts 6.4 to 12.7 mm (1/4 to 1/2") tubing; continuous 60 psid at ambient temperature.



Prod. No.	Diameter	Pore Size	Unit
2670500	680 mm	0.45 µm	1 each

Filters, Syringe, Non-Sterile

Syringe filters offer an efficient way to remove particulates from samples prior to analysis. Filters feature 20% more surface area than standard 25 mm filters, which increases flow rates and capacity. Choose PVDF filters for solutions containing proteins. Choose Nylon filters for broad chemical compatibility and organic solutions. Glass fiber filters are used primarily for prefiltration of dirty or difficult samples. Standard Female Luer-Lok inlet with standard male slip Luer outlet. Hydrophilic.



Prod. No.	Description	Diameter	Pore Size	Unit
2513605	Nylon	33 mm	0.20 µm	50 /pk
2513608	PVDF	33 mm	0.22 µm	50 /pk
2513603	PVDF	33 mm	0.45 µm	50 /pk
2599734	Glass Fiber	25 mm	1.2 µm	150 /pk
2599738	Glass Fiber	25 mm	1.5 µm	150 /pk

PALL AcroDisc® Syringe Filters

For filtration of dilute biological fluids. Sterilized by gamma irradiation to eliminate potential contamination by EtO residuals. Inlet/Outlet connections: 13/25 mm: Female Luer-Lok inlet, standard male slip luer outlet. Pore size: 0.2 m. Diameter: 25mm.

Prod. No.	Diameter	Unit
2415600	25 mm	1 each

PALL Easy Pressure Syringe Filter Holder

Accepts 25 mm filter discs for fast filtration of 1-10 mL of sample. Autoclavable. Fits most standard syringes with Luer inlet and outlets.



Prod. No.	Description	Unit
246800	Easy Pressure Syringe Filter Holder	1 each
2258700	60 cc Syringe	1 each



Filter Discs

Glass fiber filter ideal for volatile suspended solids of water and wastewater. Also ideal for TCLP analysis. Filters can withstand temperatures of 550°C (1022°F).

Prod. No.	Diameter	Pore Size	Comparable Grade	Unit
2513801	47 mm	0.7 µm	GF/F	100 /pk

For use in a wide-range of laboratory applications, these discs are composed of Mixed-Cellulose Esters and are the industry standard for particulate removal, particulate analysis and clarification of fluids.

Prod. No.	Diameter	Pore Size	Comparable Grade	Unit
2514103	25 mm	0.45 µm	ME 25	100 /pk

Filters, Glass Microfiber



Useful for high through-put prefiltration of viscous and heavily contaminated samples.

Prod. No.	Diameter	Pore Size	Comparable Grade	Unit
2551400	47 mm	1.0 µm	GF/AE	100 /pk

Filtration of suspended solids in water, wastewater and as a prefilter for membranes.

Prod. No.	Diameter	Pore Size	Comparable Grade	Unit
2215500	24 mm	1.0 µm	GF/B	100 /pk

Made from 100% borosilicate glass fibers. Filters the finest particles from HPLC solvents or TLCP extracts.

Prod. No.	Diameter	Pore Size	Comparable Grade	Unit
2676600	47 mm	1 µm	GF/F	100 /pk

Standard filter for the clarification and monitoring of water and wastewater.

Prod. No.	Diameter	Pore Size	Comparable Grade	Unit
2551600	21 mm	1.2 µm	GF/C	100 /pk

Made from 100% borosilicate glass fibers. Best used in general laboratory work and as a prefilter for membrane filtration.

Prod. No.	Diameter	Pore Size	Comparable Grade	Unit
2164300	70 mm	2.7 µm	GF/D	100 /pk

Filters, Preweighed Glass Fiber

Individually preweighed filter papers, preweighed in compliance with Standard Methods Total Suspended Solids procedure. Each in 65 mm planchet with tare weight listed. Each tare weight meets Standard Methods specifications.

934-AH® is a registered trademark of Whatman, Inc./GE Healthcare



Prod. No.	Diameter	Pore Size	Comparable Grade	Unit
2546110	42.5 mm	1.5 µm	934-AH <500°C	100 /pk
2546100	47 mm	1.5 µm	934-AH <500°C	100 /pk
2546200	47 mm	1.5 µm	934-AH <500°C	400 /pk
2546120	55 mm	1.5 µm	934-AH <500°C	100 /pk
2546135	70 mm	1.5 µm	934-AH <500°C	100 /pk
2546235	70 mm	1.5 µm	934-AH <500°C	400 /pk
2546130	76 mm	1.5 µm	934-AH <500°C	100 /pk
2546140	90 mm	1.5 µm	934-AH <500°C	100 /pk
2546240	90 mm	1.5 µm	934-AH <500°C	400 /pk
2546150	110 mm	1.5 µm	934-AH <500°C	100 /pk
2546250	110 mm	1.5 µm	934-AH <500°C	400 /pk

Filters, Qualitative (QL)

QL Filters are recommended for use in various environmental and wet chemistry reference methods. Extremely pure cellulose filters of nearly 100% alpha content are specially processed to yield negligible extractable levels in the determination and identification of unknown sample materials.



Prod. No.	Diameter	Comparable Grade	Unit
50651	42.5 mm	1	100 /pk
50652	55 mm	1	100 /pk
50653	70 mm	1	100 /pk
50655	90 mm	1	100 /pk
50656	110 mm	1	100 /pk
50657	125 mm	1	100 /pk
50658	150 mm	1	100 /pk
50659	185 mm	1	100 /pk

Filters, Quantitative (QT)

Hach QT Filters are recommended for use in various Hach Water Analysis Handbook Methods and other environmental reference methods.

Optimized ashless hardened circles provide an abrasion resistant smooth surface which is ideal for gravimetric procedures utilizing Büchner funnels and high vacuum. Pleated filters, increase flow rates by doubling the effective filtration area of the same diameter filter circle compared to quadrant folded filters. Available in a range of retention ratings, circle diameters, and pleated formats, Hach has a QT Filter that's right for your critical wet chemistry or environmental application.



QT 40 Filters-Circular, Medium Retention (8-12 µm)

Prod. No.	Diameter	Comparable Grade	Unit
52651	42.5 mm	40	100 /pk
52652	55 mm	40	100 /pk
52653	70 mm	40	100 /pk
52655	90 mm	40	100 /pk
52656	110 mm	40	100 /pk
52657	125 mm	40	100 /pk
52658	150 mm	40	100 /pk

QT 42 Filters-Circular, Fine Retention (2-3 µm)

Prod. No.	Diameter	Comparable Grade	Unit
55351	42.5 mm	42	100 /pk
55352H	55 mm	42	100 /pk
55353	70 mm	42	100 /pk
55355	90 mm	42	100 /pk
55356	110 mm	42	100 /pk
55357	125 mm	42	100 /pk
55358	150 mm	42	100 /pk
55359	185 mm	42	100 /pk

QT 42P Filters-Pleated, Fine Retention (2-3 µm)

Prod. No.	Diameter	Comparable Grade	Unit
189457	125 mm	42	100 /pk
189458	150 mm	42	100 /pk
189459	185 mm	42	100 /pk
189460	240 mm	42	100 /pk

QT 45P Filters-Pleated, Medium-Slow Retention (3-5 µm)

Prod. No.	Diameter	Comparable Grade	Unit
69257	125 mm	42	100 /pk
69258	150 mm	42	100 /pk
69259	185 mm	42	100 /pk

QT 47 Filters-Circular, Fine-Slow Retention (1-2 µm)

Prod. No.	Diameter	Comparable Grade	Unit
2546259	185 mm	47	100 /pk

FILTERS

Filters, SPE Oil & Grease for Clean, NPDES-type Samples

Xenosep® SPE Filters for EPA Method 1664A are designed to provide high recovery and low blank values in Horizon® SPE-DEX® and SPE Manifold applications. Chemically treated with a proprietary reverse phase adsorbent, single layer borosilicate glass Xenosep SPE Filters (47mm) can filter the 40 mg/L EPA PAR standard in approximately 10 minutes with significantly faster filtration times for 1 L NPDES-type samples. Xenosep SPE Filters offer high recoveries and low blanks at a great price.



Prod. No.	Description	Diameter	Pore Size	Unit
2947820	Xenosep SPE Filter	47 mm	1.0 µm	50 /pk
2947822	Xenosep SPE Filter	100 mm	1.0 µm	50 /pk
2947824	Prefilter	50 mm	5.0 µm	50 /pk
2947826	Prefilter	100 mm	5.0 µm	50 /pk

Filters, SPE Oil & Grease for Moderately Dirty Samples

Designed for moderately dirty samples, Xenomax™ Solid-Phase Extraction (SPE) Filters for EPA Method 1664A provide maximum recovery, speed and particulate loading capacity. Chemically treated with a proprietary reverse phase adsorbent, triple layer borosilicate glass Xenomax™ SPE Filters (47mm) can filter the 40 mg/L EPA PAR standard in approximately 20 seconds with similar filtration times for 1-L NPDES-type samples. Xenomax™ SPE Filters provide maximum analyte recovery, particulate loading capacity and processing speed when used with Xenosep SPE Glassware.



Prod. No.	Description	Diameter	Pore Size	Unit
2514200	Prefilter, Glass Micro Fiber	45 mm	5.0 µm	48 /pk
2514201	Prefilter, Glass Micro Fiber	83 mm	5.0 µm	12 /pk
2943300	Xenomax SPE Filter	47 mm	1.0 µm	48 /pk
2943301	Xenomax SPE Filter	47 mm	1.0 µm	24 /pk
2948201	Xenomax SPE Filter	90 mm	1.0 µm	12 /pk
2948202	Xenomax SPE Filter	95 mm	1.0 µm	12 /pk

Filters, Soil Analysis (SA)

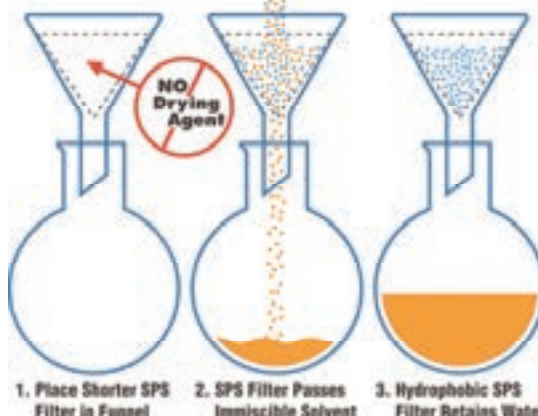
Designed for sandy soils, SA filters are conically folded and have been optimized for use with the common extraction solutions used in soil nutrient analysis (Mehlich 1, Mehlich 3, Morgan, Modified Morgan, Bray, and Olsen). SA Filters provide the best combination of retention rating, filtration speed and purity requirements for soil nutrient testing (P, K, Ca, Mg).



Prod. No.	Diameter	Comparable Grade	Unit
2263356	110 mm	SA 720F	500 /pk

Filters, Solvent Phase Separator

Xenosep SPS™ (Solvent Phase Separator) Filter Makes Sample Drying Easy for any Density Solvent



FunnelFit SPS™ (Solvent Phase Separator) filters are designed to quickly and easily remove water from the immiscible solvents used in Solid Phase Extraction (SPE) and Liquid-Liquid Extraction (LLE). Sample drying agents like sodium sulfate, which can dissolve through traditional filters and contaminate solvent extracts or have their water binding capacity exceeded, are no longer needed when this new EPA compliant technology is employed. The stabilized silicone treatment renders the cellulose filter hydrophobic which prevents water from passing through the filter under gravity while allowing immiscible organic solvents of any density to pass through. FunnelFit SPS filters are pre-folded into the shape of a cone that fits the funnel perfectly every time and feature consistently low background extractable/leachable levels. For best results, choose a diameter according to the chart below so that the top of the filter will fit at least 6mm (1/4") below the rim of the funnel.

Prod. No.	Description	Diameter	Unit
2516610	Fits 55 mm I.D. Funnel	90 mm	100 /pk
2516620	Fits 65 mm I.D. Funnel	110 mm	100 /pk
2516630	Fits 75 mm I.D. Funnel	125 mm	100 /pk
2516640	Fits 90 mm I.D. Funnel	150 mm	100 /pk

Filters, Thimbles, Soxhlet

Xenosep extraction thimbles are ideal for determining the concentration of nonvolatile and semivolatiles organic compounds from environmental solid waste matrices, sludge, soil, air, and water. The thimbles are manufactured from high purity alpha cellulose cotton linters which provide excellent

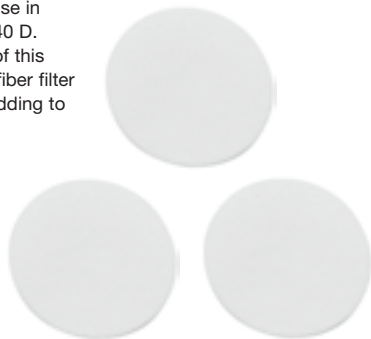


mechanical strength, stability, and retention with very low/no background extractables in a disposable, sample holder format.

Prod. No.	Description	Pore Size	Unit
2966500	25 x 80 mm	10 µm	25 /pk
2966600	22 x 100 mm	10 µm	25 /pk
2966700	33 x 80 mm	10 µm	25 /pk

Filters, Total Suspended Solids (TSS)

TSS Filters are recommended for use in Standard Methods 2540 C and 2540 D. Optimized surface characteristics of this binderless borosilicate glass microfiber filter eliminates pin-holing and fiber-shedding to ensure consistent, accurate results comparable to 934-AH® brand filters. Fast flow rate, fine porosity and 1.5 µm particle retention makes the TSS Filter the preferred choice of environmental chemists for total suspended solids analysis of water and wastewater.



934-AH is a registered trademark of Whatman, Inc./GE Healthcare.

Prod. No.	Diameter	Pore Size	Comparable Grade	Unit
2198720	20 mm	1.5 µm	934-AH <500°C	100 /pk
2198725	25 mm	1.5 µm	934-AH <500°C	100 /pk
2198730	30 mm	1.5 µm	934-AH <500°C	100 /pk
2198755	90 mm	1.5 µm	934-AH <500°C	100 /pk
253000	47 mm	1.5 µm	934-AH <500°C	100 /pk
253051	42.5 mm	1.5 µm	934-AH <500°C	100 /pk
253053	70 mm	1.5 µm	934-AH <500°C	100 /pk
2569100	110 mm	1.5 µm	934-AH <500°C	100 /pk
253055	55 mm	1.5 µm	934-AH <500°C	100 /pk

Filters, Fixed and Volatile Suspended Solids - 934-AH®

Hach 934-AH Filters are specified for use in Standard methods 2540 C, 2540 D and 2540 E. Fast flow rate, fine porosity and 1.5 µm particle retention have made this binderless borosilicate glass microfiber filter the accepted industry standard for over 50 years. Hach 934-AH Filters can withstand temperatures over 500°C, which is a unique and especially important feature for laboratories performing Fixed and Volatile Suspended Solids analysis of water and wastewater.



934-AH is a registered trademark of Whatman, Inc./GE Healthcare and used under license.

Prod. No.	Diameter	Pore Size	Comparable Grade	Unit
2511201	21 mm	1.5 µm	934-AH >500°C	100 /pk
2511202	24 mm	1.5 µm	934-AH >500°C	100 /pk
2511203	25 mm	1.5 µm	934-AH >500°C	100 /pk
2511204	35 mm	1.5 µm	934-AH >500°C	100 /pk
2511205	37 mm	1.5 µm	934-AH >500°C	100 /pk
2511206	42.5 mm	1.5 µm	934-AH >500°C	100 /pk
2511207	47 mm	1.5 µm	934-AH >500°C	100 /pk
2511208	55 mm	1.5 µm	934-AH >500°C	100 /pk
2511209	70 mm	1.5 µm	934-AH >500°C	100 /pk
2511210	90 mm	1.5 µm	934-AH >500°C	100 /pk
2511211	110 mm	1.5 µm	934-AH >500°C	100 /pk
2511212	125 mm	1.5 µm	934-AH >500°C	100 /pk
2511213	150 mm	1.5 µm	934-AH >500°C	100 /pk

Filters, Total Suspended Solids (TSS) AE Grade

Hach Grade AE filters are comparable to Pall Type A/E filters and the 47mm diameter is compatible with the magnetic filter holder #1352900. Filters feature fast flow rates, fine porosity and particle retention of 1.0µm which make them ideal for many dissolved and suspended solids testing procedures including Standard Methods 2540 C, 2540 D and 2540 E. This binder-free, borosilicate glass microfiber filter has a DOP efficiency of 99.98% (0.3µm) and a maximum operating temperature of 550°C in air.



Prod. No.	Diameter	Pore Size	Comparable Grade	Unit
2551450	21 mm	1.0 µm	A/E	100 /pk
2551451	24 mm	1.0 µm	A/E	100 /pk
2551452	25 mm	1.0 µm	A/E	100 /pk
2551454	37 mm	1.0 µm	A/E	100 /pk
2551455	42.5 mm	1.0 µm	A/E	100 /pk
2551456	47 mm	1.0 µm	A/E	100 /pk
2551457	55 mm	1.0 µm	A/E	100 /pk
2551458	70 mm	1.0 µm	A/E	100 /pk
2551459	90 mm	1.0 µm	A/E	100 /pk
2551460	102 mm	1.0 µm	A/E	100 /pk
2551461	110 mm	1.0 µm	A/E	100 /pk
2551462	125 mm	1.0 µm	A/E	100 /pk
2551463	150 mm	1.0 µm	A/E	100 /pk

Filters, Volatile Suspended Solids - FVS

Xenomax™ TSS-FVS Filters are specifically designed to ensure compliance with the filter preparation requirements of Standard Methods 2540 D and Standard Methods 2540 E (Fixed and Volatile Solids Ignited at 550°C). Independent 3rd party evaluation of Xenomax and 934-AH® filters in both methods give demonstrably equivalent results.

In addition, these 1.5 µm binder-free, fast flowing, fine porosity borosilicate glass microfiber filters have been optimized for better wet strength/ handleability and high temperature (550°C) blank stability. FVS Filters are available in popular diameter sizes and ready for use in a wide variety of labware including Buchner funnels and Gooch Crucibles.



934-AH is a registered trademark of Whatman, Inc./ GE Healthcare.

Prod. No.	Diameter	Pore Size	Comparable Grade	Unit
2511301	21 mm	1.5 µm	934-AH >500°C	100 /pk
2511302	24 mm	1.5 µm	934-AH >500°C	100 /pk
2511303	25 mm	1.5 µm	934-AH >500°C	100 /pk
2511304	35 mm	1.5 µm	934-AH >500°C	100 /pk
2511305	37 mm	1.5 µm	934-AH >500°C	100 /pk
2511306	42.5 mm	1.5 µm	934-AH >500°C	100 /pk
2511307	47 mm	1.5 µm	934-AH >500°C	100 /pk
2511308	55 mm	1.5 µm	934-AH >500°C	100 /pk
2511309	70 mm	1.5 µm	934-AH >500°C	100 /pk
2511310	90 mm	1.5 µm	934-AH >500°C	100 /pk
2511311	110 mm	1.5 µm	934-AH >500°C	100 /pk
2511312	125 mm	1.5 µm	934-AH >500°C	100 /pk

Find it here... Buy it today on hach.com

U.S. customers only.



FILTRATION ASSEMBLIES — FLASKS

Filtration Assemblies, Graduated Glass

Beaker-style funnel (500 mL) with 47 mm membrane support for filtration of aqueous samples. Fritted borosilicate glass membrane support for even filtration across surface of membrane. Funnel attaches evenly to base via aluminum clamp. Filter flask sold separately.



Prod. No.	Description	Unit
234000	Glass Filtration Apparatus	1 each

Filter, Holder, Magnetic, 47 mm

Fits standard manifold systems with 8 rubber stopper connections. Capacity 300 ml (10 oz). Measures 23 x 7 cm (9 x 2.75). Autoclavable.



Prod. No.	Description	Unit
1352900	Magnetic Polyphenylsulfone Filter Holder, 47 mm	1 each

Flask, Erlenmeyer

Graduated glass flask with narrow mouth and heavy-duty rim. Durable graduations indicate approx. volume. Stopper not included.



Prod. No.	Capacity	Subdiv.'s	Stopper Size	Unit
50540	25 mL	5 mL	0	1 each
50547	300 mL	25 mL	6	1 each
50549	500 mL	50 mL	7	1 each
50553	1000 mL	50 mL	9	1 each
50554	2000 mL	100 mL	10	1 each
50541	50 mL	10 mL	1	1 /pk
50571	50 mL	10 mL	1	12 /pk
50543	125 mL	25 mL	5	1 each
50573	125 mL	25 mL	5	12 /pk
50546	250 mL	25 mL	6	1 /pk
50576	250 mL	25 mL	6	12 /pk

Flask, Erlenmeyer, Wide-Mouth

Graduated glass flask with wide mouth for easier titrations. Reinforced tops with round finish provide maximum strength. Durable graduations indicate approx. volume. Stopper not included.



Prod. No.	Capacity	Subdiv.'s	Stopper Size	Unit
2489443	125 mL	50 mL	6	1 each
2489446	250 mL	50 mL	8	1 each
2489449	500 mL	500 mL	10	1 each
2489453	1000 mL	1000 mL	11	1 each
2489454	2000 mL	2000 mL	13	1 each

Flask, Filtering, Glass

Glass filtering flask with side-arm at 90° angle. Heavy-walled with graduated capacity scale. Designed to ASTM E1406, Type II, Class I requirements. Hose connection accepts 5/16" I.D. flexible tubing.



Prod. No.	Capacity	Stopper Size	Unit
54643	125 mL	5	1 each
54649	500 mL	7	1 each
54679	500 mL	7	6 /pk
54653	1000 mL	8	1 each
54683	1000 mL	8	6 /pk

Flask, Graduated Glass with Screw Cap Top

Graduated glass flask with plastic screw cap. Excellent choice for media preparation, mixing solutions, and culturing. Inert rubber liner cemented into cap and completely autoclavable. Durable graduations indicate approximate volume.



Prod. No.	Capacity	Subdiv.'s	Unit
2089641	50 mL	10 mL	1 each
2089671	50 mL	10 mL	6 /pk
2089643	125 mL	25 mL	1 each
2089673	125 mL	25 mL	6 /pk
2089646	250 mL	25 mL	1 each
2089676	250 mL	25 mL	6 /pk
2089649	500 mL	50 mL	1 each
2089679	500 mL	50 mL	6 /pk
2089653	1000 mL	50 mL	1 each
2089683	1000 mL	50 mL	6 /pk

Flask, Filtering, Polypropylene

Polypropylene filtering flask with side-arm at 45° angle prevents tipping. Barbed side-arm accepts 1/4-3/8" I.D. tubing for application of vacuum.



Prod. No.	Capacity	Stopper Size	Unit
2089949	500 mL	7	1 each
2089953	1000 mL	8	1 each

Flask, Polymethylpentene

Polymethylpentene flask with polypropylene screwcap features clarity, chemical resistance, strength, and autoclavability (Do not engage threads during cycle). Useful for titrations, preparation and storage of media.



Prod. No.	Capacity	Unit
2089843	125 mL	1 each
2089873	125 mL	6 /pk
2089876	250 mL	4 /pk
2089879	500 mL	4 /pk

Flask, Polypropylene

Polypropylene flask for general laboratory use. Rugged, excellent chemical resistance, and autoclavable.



Prod. No.	Capacity	Stopper		Unit
		Size	Unit	
108243	125 mL	3	1 each	
108246	250 mL	6	1 each	
108273	125 mL	3	12 /pk	
108276	250 mL	6	6 /pk	

Flask, Volumetric, Class A

Calibrated "To Contain" and manufactured to ASTM E438, "Glass in Laboratory Apparatus" requirements.



Prod. No.	Capacity	Tolerance	Stopper	
			Size	Unit
1457440	25 mL	± 0.03 mL	9	1 each
1457441	50 mL	± 0.05 mL	9	1 each
1457442	100 mL	± 0.08 mL	13	1 each
1457445	200 mL	± 0.01 mL	16	1 each
1457446	250 mL	± 0.12 mL	16	1 each
1457449	500 mL	± 0.2 mL	19	1 each
1457453	1000 mL	± 0.3 mL	22	1 each

Flask, Volumetric, Certified Class A

Individually serialized glass flask supplied with Certificate of Graduation Accuracy and traceable to NIST Standards. Class A tolerances meet requirements of ASTM E438 and ASTM E288. Graduation ring on neck of flask. Supplied with ground glass stopper.



Prod. No.	Capacity	Tolerance	Stopper	
			Size	Unit
2636642	100 mL	± 0.08 mL	13	1 each
2636646	250 mL	± 0.12 mL	16	1 each
2636649	500 mL	± 0.2 mL	19	1 each
2636653	1000 mL	± 0.3 mL	22	1 each
2636654	2000 mL	± 0.5 mL	27	1 each

Flask, Volumetric, Polymethylpentene

Durable polymethylpentene flask with polypropylene screw-top closure. Calibrated "to contain/deliver" at 20°C.



Prod. No.	Capacity	Tolerance	Unit
2099542	100 mL	± 0.16 mL	1 each
2099549	500 mL	± 0.40 mL	1 each
2099553	1000 mL	± 0.60 mL	1 each

Flask, Volumetric, Polypropylene

Polypropylene flask and screw cap. Durable with excellent chemical resistance, with the same accuracy as glass. Permanent color graduation line with marking spot. Calibrated "to contain/deliver" at 20°C.



Prod. No.	Capacity	Tolerance	Unit
1406041	50 mL	± 0.10 mL	1 each
1406042	100 mL	± 0.16 mL	1 each
1406049	500 mL	± 0.40 mL	1 each
1406053	1000 mL	± 0.60 mL	1 each

Floc Jar, Wagner Type

Clear plexiglass, square jar with sample delivery port for monitoring flocculation. Measures 21 x 12.7 x 12.7 cm (8.3 x 5 x 5), with a capacity of 2 L. Suitable for use with six-unit gang Phipps & Bird or similar floc testing apparatus. Includes tubing, stopper, clamp, and 50 mL graduated beakers.



Prod. No.	Description	Unit
4117000	Wagner Floc Jar, 2 L, Square	1 each
1480474	Stopper, Replacement, for Floc Jar	1 each
2087901	Clamp	12 /pk

FUNNELS — GLOVES

Funnel, Buchner, Polypropylene

Light weight and durable polypropylene construction with a removable filter plate for easy cleaning, chemical resistant. Fully autoclavable. Stopper sold separately.



Prod. No.	Top I.D. Filter Paper Dia.	Approx. Volume	Stem Length/ Stem O.D.	Unit
2090553	76 mm/ 70 mm	186 mL	65 mm/ 11 mm	1 each
2090556	130 mm/ 110 mm	919 mL	93 mm/ 22 mm	1 each

Funnel, Buchner, Porcelain

Durable porcelain construction is tough, inert and highly chemical resistant. Molded-in perforated filter plate. Fully autoclavable.



Prod. No.	Top I.D. / Filter Paper Diam.	Capacity	Unit
55085	56 mm / 50-55 mm	87 mL	1 each
55068	83 mm / 70 mm	186 mL	1 each
55087	100 mm / 90 mm	320 mL	1 each
55095	126 mm / 110-124 mm	700 mL	1 each

Funnel, Polypropylene, Analytical Long Stem

Standard long stem funnel meets the needs of a wide variety of applications. Mounded ribbing prevents air lock commonly occurring during funneling and filtrations. A steep, 58-degree cone slope makes for fast and easy flow of either liquids or small solids. Polypropylene construction is resistant to chemicals and makes this funnel fully autoclavable for sterilization.



Prod. No.	Description	Unit
108367	66 mm /110 mm Top I.D., 65 mL Vol, 65 mm Stem L/ 7 mm Stem O.D.	1 each
108368	77 mm / 125 mm Top I.D., 114 mL Vol, 80 mm Stem L/ 7 mm Stem O.D.	1 each
108370	104 mm / 185mm Top I.D., 254 mL Vol, 99 mm Stem L/ 9 mm Stem O.D.	1 each

Funnel, Separatory, Glass

Pear-shaped (Squibb) separatory funnel with Teflon stopcock. Clear glass body allows for easy detection of layers between immiscible liquids, all the way to the stopcock. Highly chemical resistant and fully autoclavable. High density linear polyethylene stopper with closed bottom included. Accepts stopcock size 4 (included).



Prod. No.	Capacity	Height	Unit
52046	250 mL	311 mm	1 each
52049	500 mL	354 mm	1 each

Furnace, Muffle

Digital temperature control. Insulation made of high-purity alumina-silica with a low thermal mass. Means faster heat-up time and reduced electrical consumption. Embedded heating elements for structural strength and longer life. Perforated bench case design keeps bench top cool. Accurate percentage input control. Chamber dimensions (W x H x D), 10 x 10 x 11 cm (3.9 x 3.9 x 4.3"). Outer dimensions, 20 x 32 x 22 cm (7.9 x 12.6 x 8.7"). 1050 W. Maximum operating temperature: 1093°C.



Muffle Furnace is recommended for use in **Standard Methods 2540 B, C, D and E** to determine Total Suspended Solids.

Prod. No.	Description	Unit
1429600	120 Vac, 50/60 Hz	1 each
1429610	Heating Element for 120 Vac	1 each
1429624	240 Vac, 50/60 Hz	1 each
1429625	Heating Element for 240 Vac	1 each

Glasses, Safety, Full Wrap, Uvex®

Polycarbonate lens blocks > 99.9% of harmful UVA and UVB radiation and meets stringent military VO ballistic impact requirements (seven times the impact velocity of ANSI and GSA). Available with choice of Ultradura Hardcoat lens coating or Uvextreme lens coating, which provides additional antifog, antiscratch, and antistatic protection. Choice of lens tints include Clear, Espresso and Gold Mirror. Meets ANSI Z87.1-1989 and CSA Z94.3-1992 Standards.



Prod. No.	Description	Unit
2927701	Uvex Genesis with Clear Ultradura Lens	1 each
2927702	Uvex Genesis with Clear Uvextreme Lens	1 each
2927704	Uvex Genesis with Espresso Uvextreme Lens	1 each
2927705	Uvex Genesis with Gold Mirror Ultradura Lens	1 each

Glasses, Safety, UV Protective

Protect eyes from extended or high-intensity ultraviolet energy while eliminating "blue haze" interference. Light weight and comfortable, even over prescription glasses.



Prod. No.	Unit
2113400	1 each

Gloves, Chemical-Resistant

High-performance, nitrile protective gloves are resistant to degradation from most chemicals. Designed for comfort with soft, cotton-flock lining to absorb perspiration. Embossed finish makes wet handling easier and safer.



Prod. No.	Size	Unit
2410103	8 - 8 1/2	1 pair
2410104	9 - 9 1/2	1 pair
2410105	10	1 pair
2410106	11	1 pair

Gloves, Disposable, Powder Free, Latex

Standard latex examination gloves for a wide variety of applications. Sold in dispenser boxes of 100 ambidextrous singlets.

Prod. No.	Size	Unit
2590401	Small	100 /box
2590402	Medium	100 /box
2590403	Large	100 /box



Gloves, Disposable, Powder Free, Nitrile

Conform to hand better than most disposable gloves, yet exert less pressure—less hand fatigue and stress. 4 mil thickness.

Prod. No.	Size	Unit
2550501	Small	100 /box
2550502	Medium	100 /box
2550503	Large	100 /box
2550504	Extra-large	100 /box



Gloves, Disposable, Powder Free, Nitrile with Neu-Thera®

Powder Free Nitrile gloves are coated with skin-protecting gel that soothes and moisturizes your skin. Unique synthetic formulation offers superior puncture and chemical resistance. Mint green color. Odor free, non-sterile, ambidextrous. Length: 9.5 in., 5-6 mil thick.

Prod. No.	Size	Unit
2927401	Small	100 /box
2927402	Medium	100 /box
2927403	Large	100 /box
2927404	Extra-large	100 /box



Goggles, Safety, Standard

Indirect ventilation system to allow free air flow through the goggle body. Large, soft body ensures an excellent fit over most prescription eyewear. Clear polycarbonate lens treated with patented Uvextreme AF coating—protects against fogging, scratching, static and dust, and 99% of harmful ultraviolet rays up to 385nm. Absorbs 99.9% of UV up to 385nm and meets ANSI Z87+ and CSA Z94.3.

Prod. No.	Unit
2927902	1 each



Goggles, Safety, Splash-Resistant

Full wrap design provides splash protection and allows for excellent peripheral vision. Lightweight body molds to the face for a firm seal with comfortable protection. Large size accommodates most prescription eyewear, yet adapts for use with respirators or hard hats without impeding fit. Indirect venting protects eye area against hazardous splashes and airborne particles while allowing ample air circulation for comfort. Clear polycarbonate lens treated with Uvextreme AF coating—protects against fogging, scratching, static and dust. Absorbs 99.9% of UV up to 385nm and meets ANSI Z87+ and CSA Z94.3.

Prod. No.	Unit
2927901	1 each



Handbook, Disinfection By-Products and Human Health

For engineers, chemists, and public health professionals working on the front lines of drinking water issues, this book provides a pragmatic assessment of the current evidence and emerging issues concerning disinfection by-products (DBPs) and human health.

Prod. No.	Unit
2270802	1 each



NEW!

Handbook, Environmental Compliance Guidebook: Beyond US Water Quality Regulations

Specially written for water and wastewater utilities, this book explains in clear, understandable language topics of air emissions, hazardous materials, hazardous wastes, pesticides, petroleum, solid wastes, storage tanks, toxic substances, and wastewater.

Prod. No.	Unit
2270801	1 each



NEW!

Handbook, Guide to Chemical Hazards, NIOSH

Comprehensive guide uses a convenient tabular format to present key industrial hygiene and medical surveillance information on 397 chemicals and compounds. Topics: Chemical and physical properties, Permissible Exposure Limits (PEL), Immediately Dangerous to Life or Health (IDLH) levels, health hazards and chemical incompatibilities, personal protection recommendations and first aid procedures. Updated every four years.

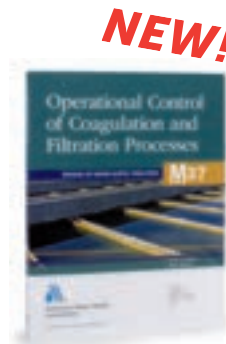
Prod. No.	Unit
2239800	1 each



Handbook, M37 Operational Control of Coagulation and Filtration Processes

This AWWA Manual of Water Supply Practices is designed to help you keep your treatment plant's coagulation and filtration processes operating at optimum efficiency. The manual has all the information needed to design and operate jar tests, online monitoring and control, flocculation, clarification, filtration, and pilot tests.

Prod. No.	Unit
2270807	1 each



NEW!

Find it here... Buy it today on hach.com

U.S. customers only.

HANDBOOKS — HOT PLATE

Handbook, Microbiology of Well Biofouling

A useful reference guide written with a direct, straight forward approach based upon the advances in the technology over the last twenty years. With this guide, you will understand the phenomena of biofouling, corrosivity, biodegradation, and shifts in hydraulic transmissivity that can be linked to microbial events. Practical approaches to the evaluation of these effects are introduced, including standard and novel methodologies.



Prod. No. 2617800
Unit 1 each

Handbook, Water Operator Field Guide

Specially designed for in-the-field use for small water and wastewater facilities, this indispensable book will pay for itself over and over in the time you save looking for chemical and mathematic formulas, chemical feed rates, MCLs, US/metric conversions, pipe and equipment data, operational parameters, construction and installation information, OSHA and USEPA regulations, and much more.



Prod. No. 2270805
Unit 1 each

Handbook, Standard Methods for the Examination of Water and Wastewater

The worldwide standard text for water analysis since 1905. The text provides hundreds of EPA-approved laboratory tests of water quality and properties. These methods represent the best current practice of water and wastewater analysis. Includes hundreds of tables, figures, and color plates of aquatic organisms. Co-published by American Public Health Association, Water Environment Federation, and American Water Works Association. Most current edition is supplied.



Prod. No. 2270800
Unit 1 each

Handbook, Water Treatment Operator

AWWA's most popular training handbook for water treatment operators, this handy guide provides a complete introduction to water treatment operations and equipment. It is excellent for certification exam study.



Prod. No. 2270804
Unit 1 each

Handbook, Wastewater Operator Field Guide

This handy field reference contains all the information, charts, graphs, formulas, and definitions that are needed by wastewater system operators in performing their daily duties. This guide compiles information from wastewater operations manuals, handbooks, standards, and many other information sources. Major sections include math, conversion factors, chemistry, safety, collection, pumps and motors, flow, wastewater treatment, biosolids, discharge, disinfection, abbreviations, and acronyms.



NEW!

Prod. No. 2270806
Unit 1 each

Hand Soap, Antibacterial

Effective against a wide variety of gram-negative and gram-positive bacteria, as well as yeast and fungi.



Prod. No. 2617700

LAB SUPPLIES

Handbook, Wastewater Organisms: A Color Atlas

Contains 210 high-quality full-color micrographs to help you identify organisms found in sewage and sludge. These photos provide the maximum level of detail and will help you better understand the form and dimension of the organisms. Subjects depicted in the micrographs include bacteria, eggs, amoeba, parasitic protozoa, tardigrada (water bears), rotifers, ciliates, parasitic helminths, pollen grain, free-living nematodes, algae, flagellates, and more. The chapter on enumeration provides literature and techniques for fixing and staining, techniques often required for identification to the species level. Also contains a valuable glossary and index to make the book even easier to use.



Prod. No. 2615800
Unit 1 each

Hot Plate

Easy-to-read digital temperature settings features a flashing warning (CAUTION! HOT TOP) when the surface exceeds 50°C. Low-profile design to improve safety. Reflective, white ceramic top is smooth, seamless and resistant to alkali/acid solutions. Detachable cord. Built-in support rod holder (order support rod separately). Operating temperature range: 5 to 540°C (41 to 1004°F).



Prod. No.	Ceramic Top Dimensions	Electrical Specifications	
		Volts/Amps/Watts	Unit
2881400	4.25 x 4.25 (10.8 x 10.8 cm)	120 / 3.2 / 385	1 each
2881500	7.25 x 7.25 (18.4 x 18.4 cm)	120 / 8.8 / 1060	1 each
2705900	0.5 (1.3 cm) diameter support rod		1 each

HOT PLATE, STIRRER – LEAD SCANNING ANALYZER

Hot Plate, Stirrer

Easy-to-read digital temperature settings features a flashing warning (CAUTION! HOT TOP) when the surface exceeds 50°C. Stirring range of 60-1200 RPM. Low-profile design to improve safety. Reflective, white ceramic top is smooth, seamless and resistant to alkali/acid solutions. Detachable cord. Built-in support rod holder (order separately). Operating temperature range: 5 to 540°C (41 to 1004°F).



Prod. No.	Ceramic Top Dimensions	Electrical Specifications	Unit
2881600	7.25 x 7.25 (18.4 x 18.4 cm)	120 / 8.9 / 1070	1 each
2881602	7.25 x 7.25 (18.4 x 18.4 cm)	220-240 / 4.9 / 1170 CE Marked	1 each

Humidity/ Temperature Monitor

Simultaneously monitors both temperature and humidity on a large digital display. For desiccators, incubators, refrigerators, fume hoods, labs, stock rooms, clean rooms, chemical storage areas, warehouses, factories, and greenhouses. Recalls min./max. temperature and min./max. humidity readings over any time period. Stand or wall mount. Comes with 2 AAA batteries which last a full year. Temperature range: 0 to 50°C and (32 to 122°F) in 0.1°C or 0.1°F resolution with accuracy of ± 1°C, 2°F (at 32 to 104°F). Humidity range: 20% to 99%. Humidity resolution is 1%. Humidity accuracy is ±4% f.s.



Prod. No.	Unit
2694400	1 each

Incubator, BOD

The Model LI6P and HRI3P B.O.D. incubators are thermoelectric cooled, eliminating the need for a refrigeration compressor. The incubators include a mechanical convection system to ensure even air distribution, digital temperature set controller, over temperature limit control, and a temperature display. The LI6P features a one amp interior outlet to allow the use of shakers, stirrers, roller bottles or BODTrak apparatus. Two 75 pound capacity shelves are included. Exterior dimensions: 30 x 31.5 x 33.5 in (76.2 x 80.01 x 85.09 cm). The Hach HRI3P features two interior outlets and enough space for two BODTrak units. Two 35 pound capacity shelves are included. Exterior dimensions: 24.1 x 21.3 x 33.8 in (61.2 x 54.1 x 98.55 cm). Low Temperature Incubators are ideal for testing sewage and wastewater as well as other low room temperature applications. Temperature Range: 15-45°C (Accuracy: ±0.5°C @ 20°C)



Prod. No.	Description
2636200	LI6P BOD Incubator, 120Vac
2636202	LI6P-2 BOD Incubator, 220Vac
2636300	Hach HRI3P BOD Incubator, 120Vac
2636302	Hach HRI3P-2 BOD Incubator, 220Vac

Lamp, UV for Field or Lab

Shortwave (254 nm) UV lamps for field or laboratory use. Either lamp can be used in the lab with power supply, while Portable Field Pack can only be used with the 1.75" lamp. Portable Field Pack requires a 9-Volt battery (not included) and has a belt clip for easy traveling. Both lamps are physically identical except for bulb and cord length (these are shorter in the 1.75" version).



NOTE: Not for use in microbiological applications. UV Lamp contains mercury. Dispose according to state, local or federal regulations.

Prod. No.	Description	Unit
2670600	Portable Field Pack Power Supply	1 each
2670700	Power Supply, 115 Vac, 60 Hz	1 each
2670702	Power Supply, 220 Vac, 50 Hz	1 each
2670800	UV Lamp, Shortwave, 254 nm, 1.75 bulb	1 each
2671000	UV Lamp, Shortwave, 254 nm, 2.125 bulb	1 each
2704502	Lamp Kit, 230 Vac, 50 Hz (includes 1 each of 2670702, 2671000)	1 each



Lead Scanning Analyzer, SA1100

The portable SA1100 is an easy-to-use, accurate, cost-effective instrument for monitoring lead concentrations. Using differential pulse anodic stripping voltammetry*, a USEPA-approved methodology for determining total lead in drinking water, the SA1100 makes monitoring easy.

**Differential pulse anodic stripping voltammetry is approved by the USEPA for determining lead concentrations, and acid digestion is required for reporting purposes. Hach Method 1001, for use in Lead and Copper Rule compliance monitoring.*

Prod. No.	Description
5050000	SA1100 Analyzer for Lead Includes instrument, carrying case, instructions, sensor pack electrodes (Prod. No. 5050100), calibration chip, check standard, and 20 drying sticks.

Replacement Consumables

5050100	Sensor Pack Electrodes for Lead (10 Tests) Includes electrodes (10), sample preparation tablets (10), graduated tubes (10), crushing rods and calibration chip.
---------	--

Find it here... Buy it today on hach.com

U.S. customers only.



LAB SUPPLIES

METALS FLUORIMETER — MICROSCOPES

NEW!



Metals Fluorimeter

The AND1100 Fluorimeter tests for metals in water in two steps and less than two minutes, significantly reducing the test expenditures, complexity and wait times experienced in traditional tests. Powered by DNA, it is a breakthrough in streamlining the water analysis and reporting processes. The AND1100 Fluorimeter is a platform centric portable device for heavy metals testing for drinking water and industrial water supplies. It uses an

extremely sensitive measurement technique in tandem with ANDalyze sensor kits to determine the toxicity levels of heavy metal contamination.

Prod. No.
AND002

Sensors, Accessories & Consumables

Prod. No.	Description	Unit
AND010	Lead Sensor Kit	25 /pk
AND011	Uranium Sensor Kit	25 /pk
AND012	Low Range Copper Sensor Kit	25 /pk
AND013	High Range Copper Sensor Kit	25 /pk
AND014	Mercury Sensor Kit	25 /pk
AND015	Zinc Sensor Kit	25 /pk
AND016	Cadmium Sensor Kit	25 /pk
AND900	Filtration Kit	25 /pk
AND901	Dilution kit	25 /pk
AND902	Iron Interference Kit	1 each
AND903	pH Adjustment Kit	1 each
AND918	Combo Car and AC Wall USB Adapter	1 each
AND920	Fluorimeter Case	1 each
AND922	Mercury Chelator Pellets	10 /pk
AND923	15mL Dropper Bottle with NaOH	1 each

Microscope, Compound, Leica®, DM500

This brightfield achromatic model offers 4x, 10x, 40x, and 100x oil objectives. Includes led illumination that offers minimum of 25,000 hours of daylight color temperature illumination (the bulbs do not burn out at 25,000 hours but dim in brightness), and many other Leica unique features such as AgTreat™, which helps prevent the spread of surface bacteria. The universal power source allows easy conversion when used with the local country power cord.

Power supply: 100-240V, 50/60 Hz with standard U.S. power cord. Standard Euro power cord available and sold separately.



Prod. No.	Description	Unit
2947050	DM500 with Plan Achromatic Objectives	1 each
2945041	Leica EU Power Cord Only	1 each

Microscopes, Stereo, Leica® E-Series

Renowned for quality, the E-Series microscopes are affordable, rugged and dependable. All models feature plug and play design, no removable parts, "tool free" tension adjustment, 100 mm working distance, Leica exclusive 50-75 mm Interpupillary distance, student-proof design, built-in 25,000 hour 6500 K, sealed stage plate, true daylight, constant-color temperature power LED illumination for BOTH reflected and transmitted light, built-in universal stabilizing power supply 100-240V and dust cover.



Leica EZ4 with 10x Eyepiece

Includes 10x eyepieces, 4.4:1 Zoom Stereo Microscope with 8x - 35x zoom range and 10x/20 mm high eyepoint. Features include the Leica exclusive 3 directional reflected illumination, auto-shutoff after 60 minutes and a sealed light control panel.

Prod. No.	Description	Unit
2942700	Leica EZ4 with 10x Eyepiece	1 each

Leica EZ4 with 16X Eyepiece

Includes 16x eyepieces, 4.4:1 Zoom Stereo Microscope with 12.8x - 56x zoom range and 16x/15 mm high eyepoint. Features include the Leica exclusive 3 directional reflected illumination, auto-shutoff after 60 minutes and a sealed light control panel.

Prod. No.	Description	Unit
2942800	Leica EZ4 with 16x Eyepiece	1 each

Leica EZ4 D with Built-in Digital Camera

Includes 10x eyepieces, 4.4:1 Zoom Stereo Microscope with built-in 3 MPixel digital camera and 8x - 35x zoom range, and 10x/20 mm high eyepoint. Also includes Leica LAS EZ software (for PC) for image capture and simple measuring and annotation applications, built-in Secure Digital card slot (card included) for image capture without the need of a computer, live composite analog video output (selectable PAL or NTSC) and USB 2.0 output.

Features include the Leica exclusive 3 directional reflected illumination, auto-shutoff after 60 minutes and a sealed light control panel.

Prod. No.	Description	Unit
2942900	Leica EZ4 HD with Built-in Digital Camera	1 each

OIL & GREASE SYSTEMS – PIPET CONTROLLER

Oil and Grease Systems, SPE Xenosep®

Xenosep Solid-Phase Extraction (SPE) Systems offer the easiest and most cost effective way to test for Oil and Grease using EPA Method 1664A. Fast, in-house results enable you to maintain control over your plant discharges in real time without the complications of hexane LLE procedure. Xenosep SPE filters feature a unique triple layer that prevents premature clogging and flows 10 times faster than typical SPE filters.

It is now possible to easily achieve reliable, consistent Oil and Grease results and decrease your sample turnaround time. A free training video on CD is included with each Starter Kit to show your lab how to perform EPA Method 1664A by SPE. For more information on Xenosep SPE Systems, visit our website at www.hach.com/xenosep.

Xenosep SPE Systems are available in convenient kits, which include the components for 24 tests and all the glassware required to process them, one at a time. Replacement components are also available.

Lab Stand and Clamp sold separately.



Take a video tour of this system. Just visit the Hach Company channel on YouTube.

Prod. No.	Description	Unit
2943231	Xenosep SPE Starter Kit without Solvent Recovery	1 each

Select Replacement Components (Others available upon request)

Prod. No.	Description	Unit
2943800	Xenomax™ SPE Consumables Kit (includes 24 SPE Filters, Pipets, and Sodium Sulfate Columns)	1 each
2943300	Xenomax SPE Filter	48 /pk
2943400	Pipets, Transfer, Polyethylene, 15 mL	48 /pk
2943500	Inline Column with Sodium Sulfate, 10g, 48/pk	48 /pk
2943600	Glass Wool Fibers 50 g	1 each
2943701	EPA 1664A Standard, 1x30 mL, 4mg/mL	1 each
2943702	EPA 1664A Standard, 1x10 mL, 4mg/mL	1 each
2943226	Aluminum Pans, 105 mm, 100/pk	100 /pk
2943227	Hi-Loft GFM Prefilters, 42 mm, 48/pk	48 /pk

Oven, General Purpose

General-purpose ovens for drying, sterilizing, baking, annealing, conditioning, evaporating, and dehydrating. Natural convection oven provides fast, electronically controlled drying. Has adjustable exhaust port for venting, independent safety controller, stainless steel interior, digital temperature display, and two chrome plated shelves.



- Temperature range: 5°C (9°F) above ambient to 300°C (572°F) ±1.5°C
- Integrated timer: 0-99 hours
- External dimensions: 32.8 x 25.4 x 27.6". Internal dimension: 23.6 x 15.8 x 18".

Prod. No.	Description	Unit
2615500	115 Vac, 50/60 Hz	1 each
2615503	230 Vac, 50/60 Hz	1 each

Oven, Laboratory

For drying, baking, annealing, conditioning, sterilizing, evaporating and dehydrating. Factory tested. Sturdy welded steel construction. Ample insulation. Two nickel-plated shelves adjustable at 12.7 mm (0.5") increments. Thermostatically controlled with damper-controlled, gravity convection air circulation. Red pilot light indicates heater action. Gray-green, hammerloid, baked enamel finish. Three-wire cord and plug standard. Inside dimensions:

30w x 25d x 25h cm (11.8 x 9.8 x 9.8"). Outer dimensions:(19h x 14w x 12d"). Temperature range is ambient to 200°C Control is ±15°C.



Prod. No.	Description	Unit
1428900	120 Vac, 60 Hz	1 each
1428902	240 Vac, 50 Hz	1 each

Parafilm M Laboratory Film

Seals labware quickly, effectively. Film prevents sample evaporation and contamination; protects anhydrous materials. Can be folded repeatedly and twisted around sharp surfaces without rupturing. Stretched lengthwise at 21°C (71°F), Parafilm M increases approximately 200%. Becomes more flexible, softer, stronger as temperature increases. Resistant to alcohol, medium concentration acid, and alkalies. Width: 10 cm (4"); 38-m (125') roll.



Prod. No.	Unit
251764	1 each

pH Paper Rolls

Provides simple, fast, economical method of pH measurement. Sharp color change for each 0.5 pH unit. Convenient for sample pH adjustments. Recommended for sewage water, not finished water. Five 4.6-meter (15') rolls per package.



Prod. No.	Description	Unit
37333	3.0-5.5 pH	1 each
37633	4.5-7.5 pH	1 each
37933	6.0-8.0 pH	1 each
38533	9.0-12.0 pH	1 each
39133	1.0-11.0 pH	1 each

pH Paper Strips

Provides a simple, fast, economical method of pH measurement. Obtain accurate results in weakly buffered, turbid and lightly colored samples.



Prod. No.	Unit
2601300	100 /pk

Pipet Controller, Brinkmann

Features one handed operation to aspirate/dispense with most pipets from 0.1-100 mL. Added safety from contamination with in-line filter (changeable).



Prod. No.	Description	Unit
2489200	Brinkmann Pipet Helper	1 each
2489300	Replacement Filters	10 /pk

Find it here... Buy it today on hach.com

U.S. customers only.



LAB SUPPLIES

PIPET CONTROLLER — PIPETS

Pipet Controller, Powerpette Plus

Lightweight, rechargeable pipet controller offers finger tip control in an easy-to-hold pistol grip shape. Eight hours of use on a single charge and can be charged while in use. Programmed with three aspirate & dispense modes (including gravity dispense for "to deliver" pipets). Low battery warning light. Suitable for most pipets from 1.0-100 mL. Complete set includes rechargeable nickel metal hydride battery. AC adapter, autoclavable pipet stand, three hydrophobic filters (two 0.45 µm; one 0.2 µm), and instruction manual. CE marked.



Prod. No.	Description	Unit
2799500	Powerpette Plus Pipet Controller	1 each
2799401	Replacement Filters (0.45µm)	5 /pk
2799403	Replacement pipet holder (nose cone), silicone	1 each

Pipet Controller, Safetypetter

Simple, controllable pipet filler provides easy aspiration and dispensation at variable speeds. Fits most 1-100 mL pipets. Includes a built-in filter for contamination control (can be replaced).



Prod. No.	Description	Unit
2799400	Safetypetter Pipet Filler	1 each
2799401	Replacement Filters (0.45µm)	5 /pk
2799403	Replacement pipet holder (nose cone), silicone	1 each

Pipet Filler, Safety

Easy "1-2-3" operation. Squeeze the "1" valve to discharge air in top bulb. Squeeze valve "2" to draw up sample. Squeeze valve "3" to dispense. Fits all standard-sized pipets. Durable silicone with glass ball valves for long life. Meets OSHA requirements.



Prod. No.	Unit
1218900	1 each

Pipet Filler, Safety Bulb

Unique cone adapter allows universal pipet filling. Squeeze bulb to charge for filling and place cone adapter onto pipet in sample. Release the bulb to fill. Remove bulb and cover pipet end with finger for dispensing. Easy and safe.



Prod. No.	Unit
1465100	1 each

Pipet Filler, Small Volume

Dropper bulb slips over the end of Pasteur and other small volume pipets (approximately 1 mL). Latex.



Prod. No.	Unit
2676800	12 /pk

Pipets



Fixed Volume, Micropipette

Micropipette features a two-stage plunger dispenser, which ensures high accuracy and precision in pipetting techniques and facilitates last drop dispensing. Unique tip cone accepts both micro and ultra micro pipet tips. Each micropipette is fully autoclavable and color-coded for easy identification. Includes one pipet tip. Additional pipet tips sold separately.

Prod. No.	Capacity	Accuracy	Unit
2946001	5 µL	1.5 %	1 each
2946002	10 µL	1.0 %	1 each
2946003	20 µL	0.5 %	1 each
2946005	50 µL	0.4 %	1 each
2946006	100 µL	0.3 %	1 each
2946007	200 µL	0.5 %	1 each
2946008	250 µL	0.5 %	1 each
2946009	500 µL	0.5 %	1 each
2946010	1000 µL	0.5 %	1 each

Pipet Tips for Micropipette

Pipet Tips for Micropipette - Disposable polypropylene pipet tips.

Prod. No.	Description	Unit
2948700	5 to 200 L Tips	1000 /pk
2511900	250 to 1000 L Tips	1000 /pk

Mohr (Measuring) Pipet, Glass



Class B pipets calibrated "To Deliver". Permanent brown, graduated scale fused into body. Color coded for volume. Tips hardened for durability. Designed from ASTM E1293, Class B Style 1 requirements.

Prod. No.	Resolution	Capacity	Tolerance	Color Code	Unit
2093400	0.01 mL	0.1 mL	± 0.005 mL	White	1 each
2093635	0.01 mL	1.0 mL	± 0.02 mL	Red	1 each
2093636	0.1 mL	2.0 mL	± 0.02 mL	Green	1 each
2093437	0.1 mL	5.0 mL	± 0.04 mL	Blue	1 each
2093438	0.1 mL	10.0 mL	± 0.06 mL	Orange	1 each
2093440	0.1 mL	25.0 mL	± 0.05 mL	White	1 each

Mohr (Measuring) Pipet, Polypropylene



Graduated, translucent polypropylene pipets. Ideal for silica analysis. Autoclavable (Temperatures above 60°C can cause changes to volumes).

Prod. No.	Resolution	Capacity	Tolerance	Unit
210635	0.1 mL	1 mL	± 0.02 mL	1 each
210637	0.1 mL	5 mL	± 0.04 mL	1 each
210638	0.1 mL	10 mL	± 0.06 mL	1 each
210665	0.1 mL	1 mL	± 0.02 mL	12 /pk
210667	0.1 mL	5 mL	± 0.04 mL	12 /pk
210668	0.1 mL	10 mL	± 0.06 mL	12 /pk

Pipets, continued

Serological Pipet, Glass



Graduated glass pipets. Calibrated "To Deliver". Designed to ASTM E1044 specifications.

Prod. No.	Resolution	Capacity	Tolerance	Unit
919002	0.01 mL	1 mL	± 0.02 mL	1 each
206670	0.1 mL	25 mL	± 0.2 mL	12 /pk
53236	0.1 mL	2 mL	± 0.02 mL	1 each
53237	0.1 mL	5 mL	± 0.04 mL	1 each
53238	0.1 mL	10 mL	± 0.06 mL	1 each
206640	0.1 mL	25 mL	± 0.2 mL	1 each

Serological Pipet, Sterile, Glass



Sterile, glass pipet with blue graduation scale. Calibrated "To Deliver". Complies with ASTM E438, Class B requirements and designed from ASTM Specification E714.

Prod. No.	Resolution	Capacity	Tolerance	Negative Graduations (mL)	Unit
2093135	0.01 mL	1 mL	± 0.02 mL	0.2	50 /pk
2093165	0.01 mL	1 mL	± 0.02 mL	0.2	500 /pk
2093136	0.01 mL	2 mL	± 0.04 mL	0.2	35 /pk
2093166	0.01 mL	2 mL	± 0.04 mL	0.2	175 /pk
2093127	0.1 mL	5 mL	± 0.15 mL	1	25 /pk
2093157	0.1 mL	5 mL	± 0.15 mL	1	400 /pk
2093128	0.1 mL	10 mL	± 0.3 mL	2	25 /pk
2093158	0.1 mL	10 mL	± 0.04 mL	2	400 /pk

Serological Pipet, Sterile, Polystyrene



Sterile, disposable plastic pipet. Individually wrapped. Color coded. Calibrated "To Deliver". Complies with ASTM E934.

Prod. No.	Resolution	Capacity	Negative Graduations (mL)	Color Code	Unit
2092655	0.01 mL	1 mL	0.3	Yellow	1000 /pk
2092656	0.01 mL	2 mL	0.3	White	1000 /pk
2092626	0.01 mL	2 mL	0.3	White	50 /pk
2092667	0.10 mL	5 mL	2	Blue	200 /pk
2092627	0.10 mL	5 mL	2	Blue	50 /pk
2092668	0.10 mL	10 mL	3	Orange	200 /pk

Serological Pipet, Sterile, Polystyrene with Plug



Sterile, disposable plastic pipet with plug. Bulk packaged in 25/pack. Color coded. Black ascending/descending graduations. Calibrated "To Deliver". Accuracy ±2%.

Prod. No.	Resolution	Capacity	Unit
2092826	0.01 mL	2 mL	50 /pk
2092828	0.10 mL	10 mL	50 /pk
2092835	0.01 mL	1 mL	50 /pk
2092868	0.10 mL	10 mL	500 /pk
2092855	0.01 mL	1 mL	1000 /pk

Single Channel Pipet



Hach's new variable volume single-channel, air-displacement pipets feature robust design, comfortable ergonomics, slim-line tip ejection, and single-handed operation. Outstanding accuracy with adjustments in 50 µL increments (0.05 mL). Ideal to use with Hach TNTplus reagents. Supplied with calibration tool.

Product Number	Volume (mL)	Accuracy
BBP078	0.2-0.4	0.8-0.65%
BBP065	0.5-1.0	0.60%
BBP065	1.0-5.0	0.05%

Prod. No.	Description	Unit
BBP065	Pipet, Variable Volume, 1.0-5.0 mL	1 each
BBP078	Pipet, Variable Volume, 0.2-1.0 mL	1 each
LZP320	Pipet set BBP065 & BBP078	1 each
BBP079	Pipette tips for 0.2-1.0 mL pipet	100 /pk
BBP068	Pipette tips for 1.0-5.0 mL Pipet	75 /pk

TenSette® Single Channel Pipet



Perform accurate, economical pipetting with Hach's TenSette pipets. Single-channel, air-displacement pipets come in two models: 0.1-1.0 mL volumes (0.1 mL increments) or 1.0-10.0 mL (1.0 mL increments). Volume selection with a simple twist of the turret.

Prod. No.	Description	Unit
1970001	TenSette Pipette: 0.1 - 1.0 mL: incl. 50 tips	1 each
2185628	Pipet Tips: 0.1- 1.0 mL; non-sterile	1000 /pk
2185696	Pipet Tips: 0.1- 1.0 mL; non-sterile	50 /pk
1970010	TenSette Pipette: 1.0 - 10.0 mL: incl. 50 tips	1 each
2199725	Pipet Tips: 1.0-10.0 mL; non-sterile	250 /pk
2199796	Pipet Tips: 1.0-10.0 mL; non-sterile	50 /pk
2558996	Pipet Tips: 1.0-10.0 mL; sterile (indiv. wrapped)	50 /pk

Transfer Pipet, Sterile



LDPE 0.5 & 1.0 mL marks 3mL capacity.

Prod. No.
2232512

Find it here... Buy it today on hach.com

U.S. customers only.

PIPETS — REFRACTOMETER

Pipets, continued

Volumetric Pipet, Class A, Glass



Glass Class A pipets unserialized and calibrated "To Deliver". Designed to ASTM E969 specification for accuracy and ASTM E1273 for color coding.

Prod. No.	Capacity	Tolerance	Color Code	Unit
1451534	0.5 mL	± 0.01 mL	2 Black	1 each
1451535	1 mL	± 0.01 mL	Blue	1 each
1451536	2 mL	± 0.01 mL	Orange	1 each
1451503	3 mL	± 0.01 mL	Black	1 each
1451504	4 mL	± 0.01 mL	2 Red	1 each
1451537	5 mL	± 0.01 mL	White	1 each
1451538	10 mL	± 0.02 mL	Red	1 each
1451539	15 mL	± 0.03 mL	Green	1 each
1451520	20 mL	± 0.03 mL	Yellow	1 each
1451550	20 mL	± 0.03 mL	Yellow	6 /pk
1451540	25 mL	± 0.03 mL	Blue	1 each
1451570	25 mL	± 0.03 mL	Blue	6 /pk
1451541	50 mL	± 0.05 mL	Red	1 each
1451571	50 mL	± 0.05 mL	Red	6 /pk
1451542	100 mL	± 0.06 mL	Yellow	1 each

Volumetric Pipet, Class A, Certified, Glass



Glass Class A pipets serialized and calibrated "To Deliver". Each comes with Certificate of Identification and Capacity. Marked with an "A" to designate compliance to ASTM E969.

Prod. No.	Capacity	Tolerance	Unit
2636150	20 mL	± 0.03 mL	6 /pk
2636166	2 mL	± 0.01 mL	6 /pk
2636167	5 mL	± 0.01 mL	6 /pk
2636168	10 mL	± 0.02 mL	6 /pk
2636171	50 mL	± 0.05 mL	6 /pk

Pump, Vacuum, Hand-Operated

This unit is ideal for field use and is a real convenience in the lab. Pumping rate is 15 cc (0.50 oz) per stroke. Entire unit is corrosion-resistant, sealed, and self-lubricating. Nozzle fits standard 6 mm (1/4") I.D. tubing. Supplied with 61 cm (2') of clear plastic tubing. Choose with or without vacuum gauge.



Prod. No.	Description	Unit
1428300	Economy Hand Pump	1 each
2094100	Hand Pump with Vacuum Gauge	1 each

Pump, Vacuum Pressure, No-Oil

Provides up to 68.6 cm (27") Hg vacuum for applications in laboratory, office or industrial plant—vacuum distillation, filtration, and air pollution studies employing membrane filters. Quiet, pulse less air delivery and vacuum. Compact dimensions (WxDxH) 15 x 39 x 20 cm (6 x 15.4 x 8 inches). Complete with vacuum and pressure gauges and regulators, hose nipples, outlet filter, switch, cord, and plug. Capacity: 0.6 liters/sec (1.3 cfm) at 0 mm Hg. 124 W (1/6 HP).



Prod. No.	Description	Unit
2824800	115V, 60 Hz, 1.2 CFV, 1725 RPM w/ N. American Plug	1 each
2824801	220V, 60 Hz, 1.2 CFV, 1725 RPM w/ N. American Plug	1 each
2824900	Pump maintenance kit for 115V Model	1 each
2824901	Pump maintenance kit for 220V Model	1 each

Pump, Vacuum Pressure, Large, No-Oil

Provides up to 27.6" Hg vacuum for applications in laboratory, office or industrial plant—vacuum distillation, filtration, and air pollution studies employing membrane filters. Quiet, pulse less air delivery and vacuum. Complete with vacuum and pressure gauges and regulators, hose nipples, outlet filter, switch, cord, and plug. Capacity: 100 liters/min (3.5 CFM). 1/3 HP. Dimensions (LxWxH): 1 5x 10 x 10 inches. Weight: 16.5 lbs. Tubing needed: 3/8".



Prod. No.	Description	Unit
2947000	115V, 60 Hz, 3.5 CFM	1 each

Rack, Drying

Epoxy-coated, steel-wire drying rack for test tubes, vials, flasks, cylinders, beakers and other laboratory glassware. Rack can be used standing up, lying down or mounted to the wall. Incorporated drain pan design keeps your counter dry. Choose small capacity rack to hold 26 pieces of glassware, or the large capacity rack to hold 90 pieces of glassware.



Prod. No.	Description	Unit
2089000	Small	1 each
2089010	Large	1 each

Rack, COD and Test Tube

Stainless steel rack for holding hot COD vials or test tubes prior to reading. Fit Hach COD vials and Test 'N Tube vials. Vials not included.



Prod. No.	Description
1864100	COD Rack

NEW!

Refractometers, Digital

Small, light weight and as simple to use as a traditional handheld optical refractometer, but with the accuracy of a digital readout. Sample size can be as small as 1mL. The temperature is initially displayed followed by the measurement results. Provides automatic calibration, automatic temperature compensation and automatic shutoff. A sturdy soft-sided water resistant case protects the electronics from wet environments and makes for easy clean up.



Prod. No.	Refractometer Scale
2300050	Honey
2300051	Brix 0-65%
2300052	Brix 40-95%
2300053	Brix 0-95%
2300054	Salinity
2300055	Automotive

REFRACTOMETER — STAND, SUPPORT

Refractometer, Handheld Optical

NEW!

This handheld salinity refractometer is designed for accurate measurement of salinity and specific gravity for a wide variety of aqueous solutions. Use in laboratories, seawater treatment, aquaculture, food processing, hydroponics monitoring, salt production, ballast water, or anywhere an accurate measurement is essential. Read with only a few drops of test solution. Dual scale salinity/specific gravity. Scale range: 0.0-100.0 ppt salinity or 1.000-1.070 specific gravity.



Prod. No.
25128000

Ring, Support

Cast-iron construction with zinc-plated finish. Distance from center of ring to center of clamp is 108 mm (4.25").



Prod. No.	Description	Unit
58000	67 I.D., 83 O.D. (mm)	1 each
58001	92 I.D., 108 I.D. (mm)	1 each
2656300	102 I.D., 118 O.D. (mm)	1 each

Sample Transport Kit

Contains everything needed for collecting field samples, keeping them cold during transport. Includes Rubbermaid Cooler, plastic-coated rack with 15 compartments for sampling bags, 100 Whirl-Pak sampling bags (177 mL) with dechlorinating agent, one leak-proof refrigerant pack. Dimensions: 42.4 x 28.4 x 58.6 cm (16.7 x 11.2 x 23.1)



Prod. No.
2568700

Sampler, Water Core, Sludge Judge®



Accurate readings can be obtained on suspended solids up to a depth of 4.5 m (15'). Comes in three 1.5 m (5') sections with screw-type fittings. Designed for sampling solids in wastewater and food processing applications. Standard Sludge Judge features 3/4" diameter plastic tubing, while the large capacity Sludge Judge features 1-1/4" diameter plastic tubing for double the capacity.

Prod. No.	Description	Unit
2194300	3/4 Standard Sampler	1 each
2506102	1-1/4 Large Capacity Sampler	1 each

Sludge Judge Accessories

Prod. No.	Description	Unit
2194301	Carrying Case - Fits both models	1 each
2506101	Cleaning Brush - Standard Sampler	1 each
2506103	Cleaning Brush - Large Sampler	1 each
2506104	Grease Trap Cleaning Rod	1 each
2506105	Cotton Cleaning Strips	50 /pk

Sampler, Economy

For convenient sampling from tanks, vats, streams, ponds, lakes, etc., these economy dippers are light, easy to use and portable. The polypropylene cups have threaded fittings that screw onto the handle. Two pouring spouts on the 500 mL (16 oz) dipper make it useful for left or right-handed people to pour from either side. Ends are sealed for easy cleaning and include a hook for hanging.



Prod. No.	Description	Unit
2929301	Sampler Dipper 3ft Handle	1 each
2929302	Sampler Dipper 6ft Handle	1 each
2929401	Extra screw-on cup 500 mL (3 ft. and 6 ft. only)	1 each
2943000	Sampler Dipper 12ft Handle	1 each

Sampler, Ultra

For taking samples of water, sewage, wastes and effluents from lakes, streams, tanks, or ponds, the water sample dipper provides a long reach for otherwise inaccessible spots. A 1000 mL graduated polypropylene pitcher is mounted on an aluminum tube handle. The handle has 3 parts, a 91cm (36") lower section, a 112cm (44") telescoping section, and an additional 91cm (36") upper section. Connections are made with spring buttons with adjusting steps, 15cm (72") apart. Minimum handle length is 91cm (36"), maximum length is 274cm (108"). Handle diameter is 25mm (1") with 22mm (7/8") telescoping tube.



Prod. No.	Unit
2929501	1 each

Settleometer Kit

Complete kit for analyzing activated sludge process. Includes a transparent, polycarbonate 1-L jar with cover. Jar has easy-to-read white graduations and is impact-resistant. Custom polypropylene paddle allows agitation of sample without scratching the jar. Also includes 10 polycarbonate centrifuge tubes (15 mL; graduated). All components chemically resistant at pH range 3-10.



Prod. No.	Description	Capacity	Unit
2115700	Settleometer Kit	2 Liter Jar	1 each
2764400	Timer for Settleometer		1 each
2115839	Replacement Tubes, Graduated	15 mL	10 /pk

Stand, Buret Support

Cast iron, white enamel base provides favorable background for observing end points. Also acts as a steady support for buret. Base is 178 x 330 mm (7 x 13") furnished with a 13 x 610 mm (0.5 x 24") aluminum rod with a threaded nut.

Prod. No.	Description	Unit
32900	Support Stand	1 each



Stand, Support

Heavy black enamel, cast iron base and zinc-plated rod. Base is 127 x 203 mm (5 x 8") with an 8 x 508 mm (0.3 x 20") rod.

Prod. No.	Unit
56300	1 each



Find it here... Buy it today on hach.com

U.S. customers only.



LAB SUPPLIES

STIR BAR MAGNETIC ARRESTER — STIRRERS

Stir Bar Magnetic Arrester



Use the Magnetic Stirring Bar Arrester to hold your stirring bar in place when pouring from a beaker or flask.



Prod. No.	Description	Unit
2928501	9.4 mm thick x 51 mm dia	1 each

Stir Bar Magnetic Retriever



Polyethylene pickup rod with powerful magnet sealed in one end and hang-up grip on other; 31 cm (12") long.

Prod. No.	Unit
1523200	1 each

Stir Bar, Cuvette

Teflon magnetic centrifugal stirrer fits into standard 10 mm light path spectral cell and provides rapid vertical and horizontal mixing with a minimum of vortexing when placed on a magnetic stirrer. This one-piece molded unit will not scratch cuvettes. May also be used in test tubes.



Prod. No.	Description	Unit
2140800	9 mm dia x 8 mm ht	1 each

Stir Bar, Egg Shaped

Designed specifically for round bottom flasks and vessels. The Teflon coated, egg-shaped, magnetic stir bar fits the round bottom for uniform stirring without restriction. Recommended for the following round bottom flask sizes: 10, 25, 50, and 100 mL.



Prod. No.	Description	Unit
2753200	19.0 L x 9.52 mm dia (3/4 x 3/8)	1 each

Stir Bar, Micro

Use micro stir bar for mixing in vials, test tubes, spectrophotometer cells and other small-volume containers. Usable at temperatures up to 260°C. Alnico V magnet encapsulated in Teflon.



Prod. No.	Description	Unit
2054959	3 mm dia x 10 mm L	1 each
2054960	2 mm dia x 7 mm L	1 each

Stir Bar, Octagonal

Teflon coated with molded pivot ring.



Prod. No.	Description	Unit
2095348	12.7 x 7.9 mm (0.5 x 0.3)	1 each
2095349	15.9 x 7.9 mm (0.63 x 0.3)	1 each
2095350	22.2 x 7.9 mm (0.87 x 0.3)	1 each
2095351	25.4 x 7.9 mm (1.0 x 0.3)	1 each
2095352	28.6 x 7.9 mm (1.12 x 0.3)	1 each
2095355	50.8 x 7.9 mm (2.0 x 0.3)	1 each

Stir Bar, Plus-Shaped

This magnetic stir bar adds speed and efficiency to your mixing requirements. The "+" shape creates a deep vortex and provides stable, quiet operation.



Prod. No.	Description	Unit
2928601	9.5 mm (3/8)	1 each
2928602	19 mm (3/4)	1 each
2928603	25.4 mm (1)	1 each
2928604	31.8 mm (1-1/4)	1 each
2928605	38 mm (1-1/2)	1 each

Stir Bar, Polygon

Teflon coated stir bar.



Prod. No.	Description	Unit
4531500	22.2 x 4.8 mm (0.8 x 0.2)	1 each

Stirrer, Hand-Held

Hand-held mini-mixer used with test tubes, micro centrifuge tubes and containers too narrow for conventional mixers. Stirring rod flares out for use in larger spaces. Clear vinyl carrying case, 11.4 x 6 cm (4.5 x 2.4") stirring rod, 2 AA batteries included. Dimensions including rod 20.3 x 3.2 x 2.5 cm (8 x 1.25 x 1"). Weight 3 oz.



Prod. No.	Description	Unit
2496400	Stirrer, Hand-Held	1 each
2496510	Disposable nylon stirring rods for use with Stirrer (2496400)	10 /pk

Stirrer, Lab, Programmable



Jar Testers allow you to replicate actual plant conditions and operations. All stirrers run in both standard and programmable modes. Memory banks can each be set for paddle speeds from 1 to 300 RPM in one-RPM increments, with run times from 1 second to 59 minutes, 59 seconds in one-second increments. The stirrer can run sequentially through all memory banks, independently in any one memory mode, or manually at a selected speed. To allow work elsewhere in the lab, audio signals can be programmed in each memory bank. Programmed information is retained even with power-off, permitting day-to-day test reproducibility.

Features include: digital readout, stainless steel paddles placed 6 inches apart, regulated variable speeds of all paddles simultaneously, from 1-300 rpm, powder-coated steel uniframe chassis, built-in L.E.D. illuminator, anti-glare curtain, and dust cover. Choose from a 4-paddle or 6-paddle model. Order with or without beakers. Each unit holds either round 1000 mL mixing beakers or square 2 L Wagner Floc Jars.

Unit Dimensions, 6-Paddle : 119 x 41 x 51 cm (47 x 16 x 20 inches)

Unit Dimensions, 4-Paddle: 89 x 41 x 51 cm (35 x 16 x 20 inches)

Prod. No.	Description	Unit
2631710	6-Paddle Jar Tester with 1L Beakers	1 each
2631720	6-Paddle Jar Tester with 2L Beakers	1 each
2703810	6-Paddle Jar Tester, no Beakers	1 each
2631730	4-Paddle Jar Tester with 1L Beakers	1 each
2631740	4-Paddle Jar Tester with 2L Beakers	1 each
2703910	4-Paddle Jar Tester, no Beakers	1 each

Accessories and Replacement Components

Prod. No.	Description	Unit
4117000	Wagner Floc Jar, 2 L, Square	1 each
1480474	Stopper, Replacement, for Floc Jar	1 each
50083	Beakers, 1000 mL, Round	6 /pk
2692500	Paddle Assembly, Replacement	1 each
2692600	Knob Replacement	1 each
2692700	Collar Assembly Replacement	1 each
2692800	Shaft Replacement	1 each
2692940	Carrying Case, 4-Paddle Tester	1 each
2692960	Carrying Case, 6-Paddle Tester	1 each

Stirrer, Magnetic

Cimarec ceramic top stirrer features a reflective, white ceramic that is seamless, easy to clean, and resistant to alkali/acid solutions. Low profile increases efficiency and reduces spill risk. StirTrac™ technology offers improved slow speed stirring, consistent speed control, adjustable speed range from 50-1200 RPM, and rapid braking. Detachable cord. Integral ringstand/support rod holder (order rod separately).



Prod. No.	Ceramic Top	Electrical Specifications	Unit
	Dimensions	Volts/Amps/Watts	
2881200	4.25 x 4.25	120 Vac, 50/60 Hz	1 each
2881300	7.0 x 7.0	120 Vac, 50/60 Hz	1 each
Support Rod			
2705900	1.3 cm (0.5) diameter support rod		1 each

Stirrer, Magnetic, Battery-Powered



Portable, light-weight stirring ideal for field use where no electricity is available. It can be used for up to 24 hours of continuous operation, mixing up to 1 liter with a maximum stirring speed of 900 rpm using one "D" sized battery. Continuous operation time greatly extended if two "D" sized batteries are used. Dimensions: 9 1/4" x 5" x 3 1/2"H.

Prod. No.	Unit
2163600	1 each

Stopcock Grease

For lubricating ground glass joints, glass stopcocks and valves, and for sealing desiccators. Lubricant has a low vapor pressure and resists attack by acidic and alkaline solutions.



Prod. No.	Description	Unit
56275	Tube of 150g	1 each

Stopcock Plug, Teflon

Teflon stopcock for your buret, separatory funnel, or other labware.



Prod. No.	Description	Unit
2095661	Bore size approx. 2 mm	1 each

Stopper, Neoprene, One Hole

Made of synthetic rubber that resists petroleum products, fats, oils, and organic chemicals. Recommended where natural rubber would deteriorate or be attacked.



Prod. No.	Description	Stopper	Unit
		Size	
1480407	12 mm Hole Dia.	7	6 /pk
1480477	8 mm Hole Dia.	8	1 each

Find it here... Buy it today on hach.com

U.S. customers only.

STOPPERS — THERMOMETERS

Stopper, Neoprene, Solid

Recommended where natural rubber would deteriorate or be attacked.



Prod. No.	Stopper Size	Unit
1480801	1	12 /pk
1480802	2	12 /pk
1480803	3	12 /pk
1480806	6	6 /pk
1480807	7	6 /pk
1480808	8	6 /pk

Stopper, Rubber, One Hole

Pliable and non-corrosive.



Prod. No.	Description	Stopper Size	Unit
211904	5 mm Hole Dia.	4	6 /pk
211906	5 mm Hole Dia.	6	6 /pk
211907	5 mm Hole Dia.	7	6 /pk
211908	5 mm Hole Dia.	8	6 /pk

Stopper, Rubber, Solid

Black. Soft and resilient.



Prod. No.	Stopper Size	Unit
211801	1	12 /pk
211802	2	12 /pk
211803	3	12 /pk
211804	4	12 /pk
211806	6	12 /pk
211808	8	12 /pk
211810	10	6 /pk

Stopwatch, Water Resistant

Counts up to 24 hours with resolution of 1/100 second for first 30 minutes, 1 second thereafter. Features lap function, alarm clock, and calendar. Button cell battery included. Dimensions: 5.4 x 6 cm. (2.4 oz). NIST-certified.



Prod. No.	Unit
2630200	1 each

Swabs, Cotton, Sterilized



Swabs (cotton tip, hardwood stick) used to transfer colonies from positive membrane filtration plates to confirmation broth. Length: 6 inches.

Prod. No.	Unit
2554300	100 /pk

Syringe, Luer-Lock Tip



Prod. No.	Description	Capacity	Unit
1226300	1 cc	1 mL	1 each
2228725	2 cc	2 mL	25 /pk
4321300	3 cc	3 mL	1 each
2343333	5 cc	5 mL	125 /pk
2202400	10 cc	10 mL	1 each

Syringe Filters

Prod. No.	Description	Unit
2513605	Nylon	50 /pk
2513608	PVDF	50 /pk
2513603	PVDF	50 /pk
2599734	Glass Fiber	150 /pk
2599737	Glass Fiber	150 /pk

Thermometer, COD

Bi-metallic. Dial gauge 0 to 200°C ±1%. Two degree divisions. Probe diameter is .15 inches.



Prod. No.	Unit
4565500	1 each

Thermometers, Digital

Thermometer, Digital, Acorn® RTD

Rugged and dependable, this RTD style thermometer offers a wide measuring range and a large LCD screen for a clear reading at a glance. Compact size, hold functionality and splash-proof keypad offer peace of mind and ease of use. Features °C or °F, min & max temperature display and offset temperature calibration. Protective rubber armor features built-in stand for easy benchtop use.

Order the certified meter with probe to receive NIST-traceable calibration. Your specific meter and probe will be tested and calibrated to NIST-traceable standards by an accredited laboratory prior to shipment. Calibration report includes detailed results of your system identified by product serial number.

Specifications

Meter Range: -320 to 1562°F (-200 to 850°C)

Probe Range: -58 to 932°F (-50 to 500°C)

Resolution: 0.1°F (0.1°C)

Accuracy: ±0.4°F (±0.2°C)



Prod. No.	Description
2630610	Acorn RTD Temp 6 Meter w/ General Probe
2630620	Certified RTD Temp 6 meter w/ Probe System
2630614	Replacement General Purpose Probe

Thermometer, Digital, Acorn® Thermocouple

Thermocouple style thermometers offer the greatest measuring range compared to other style thermometers. Compact size, hold functionality and splash-proof keypad offer peace of mind and ease of use. Features °C or °F, min & max temperature display and offset temperature calibration. Protective rubber armor features built-in stand for easy benchtop use.

Order the certified meter with probe to receive NIST-traceable calibration. Your specific meter and probe will be tested and calibrated to NIST-traceable standards by an accredited laboratory prior to shipment. Calibration report includes detailed results of your system identified by product serial number.

Specifications

Meter Range: -418 to 2501°F (-250 to 1372°C)

Probe Range: -418 to 1650 °F (-250 to 899°C)

Resolution: 0.1°F/°C from -146°F to 572°F

(-99.9°C to 299.9°C), 1°F/°C outside this range

Accuracy: ±0.25% of reading plus 0.9°F (0.5°C) above -99.9°F/°C



Prod. No.	Description
2630650	Acorn Thermocouple Meter w/ General Probe
2630660	Certified Thermocouple Meter w/ Probe System
2630654	Replacement K-type Probe

Thermometer, Digital, Acorn® Thermistor

Thermistor style thermometers have excellent accuracy over biological or ambient temperature ranges compared to other thermometer styles. The Acorn Thermistor is perfect for routine temperature measurement, as well as crucial biological measurements. Compact size, hold functionality and splash-proof keypad offer peace of mind and ease of use. Features °C or °F, min & max temperature display and offset temperature calibration. Protective rubber armor features built-in stand for easy benchtop use.

Order the certified meter with probe to receive NIST-traceable calibration. Your specific meter and probe will be tested and calibrated to NIST-traceable standards by an accredited laboratory prior to shipment. Calibration report includes detailed results of your system identified by product serial number.

Specifications

Meter Range: -40 to 257°F (-40 to 125°C)

Probe Range: -40 to 302°F (-40.0 to 150.0°C)

Resolution: 0.1°F (0.1°C)

Accuracy: ±0.4°F (±0.2°C)



Prod. No.	Description
2630630	Acorn Temp 5 Meter w/ General Probe
2630640	Certified Temp 5 Meter w/ Probe System
2630632	Replacement Probe

Thermometer, Digital Sper® Thermocouple

Light weight and inexpensive, this K & J type thermometer provides extremely accurate and reliable temperature measurement. Features relative minimum and maximum temperature, hold, auto power off, and touch tone buttons. This instrument comes with NIST certification for one year and includes one K-type probe. The certification will state an expiration date for NIST certification. Dimensions: 5 1/4" x 2 1/4" x 1 1/4" Weight: 6 oz.

Specifications

Meter Range: -328 to 2498°F (-200 to 1370°C)

Probe Range: -150 to 932°F (-65 to 500°C)

Resolution: 0.1°F (0.1°C)

Accuracy: ±0.05% of reading +0.7°C, 1.4°F



Prod. No.	Description	Unit
2630600	Thermometer, Digital	1 each
2630601	Stainless Steel Replacement K-type Probe	1 each

THERMOMETERS — TIMERS

Thermometer, Non-Mercury



Enviro-Safe non-Mercury thermometers feature an exclusive biodegradable liquid and dye. Easy to read, aesthetically distinctive due to dark green liquid and permanently fused markings. Each thermometer is individually calibrated against NIST traceable equipment and identified by a unique serial number for ISO 9000 or other quality systems.

Prod. No.	Description	Unit
2635700	-10 to 225°C, 1 Divisions (°C), 405 mm (16)	1 each
2635702	-20 to 110°C, 1 Divisions (°C), 305 mm (12)	1 each
2635701	-10 to 260°C, 1 Divisions (°C), 405 mm (16)	1 each
2635703	0 to 230°F, 2 Divisions (°F), 305 mm (12)	1 each

Thermometer, Non-Mercury



Safety coated. Blue fill solution on white background provides excellent visibility. Dual scale, partial immersion.

Prod. No.	Description	Unit
2999200	-30 to 50°C and -20 to -120 °F 0.1 Divisions (°C), 250 mm (10)	1 each

Thermometer, Non-Mercury, Compact



Compact and durable, non-mercury thermometers enclosed in a protective nylon case. These thermometers are designed for ruggedness and come in many standard ranges. Suitable for all field and portable uses where an unprotected thermometer may break.

Prod. No.	Description	Unit
2676100	-30 to 120°F, 2 Divisions (°F), 160 mm (6.3)	1 each
2676200	0 to 220°F, 2 Divisions (°F), 160 mm (6.3)	1 each
2676300	-5 to 45°C, 0.5 Divisions (°C), 160 mm (6.3)	1 each
2676400	-10 to 110°C and 0 to 220°F 1 Divisions (°C/F), 160 mm (6.3)	1 each

NEW!



Thermometer, Wireless

Read the temperature inside an environmental chamber or clean room without opening the door. Mount the weatherproof sensor outdoors, in green houses, warehouses, air ducts and other hard to reach places to continuously monitor their ambient temperature from a remote location. The wireless sensor broadcasts the temperature to the monitor from up to 100 ft (30M)

away without obstructions via a wireless Radio Frequency signal. Displays either °C or °F, has min/max recall, audible and visual alarms, and indicates when batteries are low. Each monitor comes with 1 temperature sensor with bench stand and wall mount, batteries (2 x AA + 2 x AAA).

Prod. No.	Unit
2800025	1 each

Timer, Counts Up or Down

Counts up or down for 99 minutes, one-second intervals. Fast programming with numeric keypad. Includes built-in stand, pocket clip, magnet, button cell battery.

Dimensions: 6.35 x 6.67 x 1.90 cm (2.50 x 2.625 x 0.75). Weight: 0.64 (1.4 oz).



Prod. No.	Unit
2630300	1 each

Timer, Five-Channel

Four independent channels count up or down for any interval from one second to 100 hours; fifth channel is clock. Large display, one-minute alarm, memory, clock mode. Includes stand, pocket clip, magnet. Dimensions: 7.10 x 6.35 x 1.43 cm (2.875 x 2.50 x 0.56"). Weight: 0.08 kg (2.9 oz). Traceable to NIST.



Prod. No.	Unit
2630400	1 each

Timer, Talking

Features a clear human voice. Large 3/4 display with icons to indicate the various modes: voice off/on, count-down/count-up, etc. Also features a built-in stand for benchtop use, pocket clip, and magnetic back. Button cell batteries included.

Dimensions: 3.25 x 2.5 x 1. Weight: 2.2 oz.



Prod. No.	Unit
2764400	1 each

TIMERS — VIAL, SPECIMEN

Timer, Three-Channel

Audible and visual alarm, manual and automatic off. All three channels visible at same time. Outstanding quartz-crystal accuracy of 0.006 sec. Dimensions: 76 x 76 x 36 mm (3 x 3 x 1.4"). One second to 10 hours. Weight: 113 g (4 oz).



Prod. No.	Unit
2348000	1 each

Timer, Min/Max with Alarm

Set min/max temperature alarms for both the internal and external sensors. The external sensor, mounted on a 9ft long cord, is waterproof and can be used outdoors or in liquid. When the temperature exceeds the preset parameters, an audible alarm will sound. View ambient interior or exterior temperatures with min/max readings on both. User selectable °C or °F read outs. Useful in labs, incubators, refrigerators, water baths, drying chambers, and fume hoods. Stands or wall mounts and comes with 1 AAA battery. Dimensions: 105 x 70 x 20 mm (4-1/8 x 2-3/4 x 3/4) Weight: 85 g (3 oz)



Prod. No.	Unit
2800040	1 each

Tongs, Crucible

Nickel-plated steel. Length: 230 mm (9"). Wire size: 5 mm.



Prod. No.	Unit
56900	1 each

Tube, Culture, with Screw Cap

Cap has a firmly bonded rubber liner, providing a sure and highly inert sealing surface.



Prod. No.	O.D. x L	Capacity	Unit
2096208	13 x 100 mm	Capacity to Neck 8 mL	10 /pk
1436120	16 x 150 mm	Capacity to Neck 20 mL	10 /pk
2096230	20 x 150 mm	Capacity to Neck 30 mL	10 /pk
2096250	25 x 150 mm	Capacity to Neck 50 mL	10 /pk
2275800	16 x 100 mm	Capacity to Neck 11 mL	1 each
	(Cap not included)		
2275806	16 x 100 mm	Capacity to Neck 11 mL	6 /pk
	(Cap not included)		
2899300	16 x 100 mm	Capacity to Neck 11 mL	250 /pk
	(Cap not included)		

Tube Caps

White cap for Culture Tubes (16 x 100mm). Screw cap has a firmly bonded fluoropolymer liner, providing a sure and highly inert sealing surface.

Prod. No.	Description
2241106	Fits 16 x 100 mm tubes above, 6/pk

Tubing, Tygon® R-3603®

Chemical-resistant, Formula R-3603 Tygon tubing with flex strength greater than rubber. Unaffected by oxidizing agents and compatible with virtually any laboratory chemical. Bends readily to sharp radius curves and will maintain strong grip on glass or metal. Highly polished bore prevents interior build-up while facilitating cleaning.



Prod. No.	I.D.	O.D.	Wall Thickness	Unit
2074037	1/4 in	3/8 in	1/16 in	50 ft
2074038	1/8 in	3/16 in	1/32 in	50 ft
2074039	3/8 in	1/2 in	1/16 in	50 ft
2074040	1/2 in	5/8 in	1/16 in	50 ft
2074041	5/16 in	7/16 in	1/16 in	50 ft
2074042	1/8 in	1/4 in	1/16 in	50 ft
2074043	3/16 in	5/16 in	1/16 in	50 ft

Vial, Specimen

Borosilicate glass. Autoclavable. Cap included.



Prod. No.	O.D.	Capacity	Height	Unit
1497038	17 mm	8 mL	63 mm	10 /pk
1497046	21 mm	16 mL	73 mm	10 /pk
1497054	23 mm	24 mL	88 mm	10 /pk

Find it here... Buy it today on hach.com

U.S. customers only.



WATER PURIFICATION – WATER PURIFICATION SYSTEMS

Water Purification, Demineralizers

Demineralizer Bottle

Narrow mouth, polyethylene bottle. Contains monobed resin. Flip spout. Great way to deionize small volumes of water. Used with Hach Portable Laboratories.



Prod. No.	Description	Unit
1429900	177 mL (6 oz) capacity	1 each
2184600	473 mL (16 oz)	1 each
31101H	Demineralizer Resin, 380g	1 each
591200	Cap only for 177 mL bottle, sprinkler w/screen	1 each
2187201	Cap only for 473 mL Bottle, sprinkler w/screen	1 each

Barnstead® Cartridge Filtration System



Cartridge Filtration System is an economical and easy-to-use system to create Type III and IV general purpose lab water. Operates on city water pressure and no electricity required. Choose from three different cartridges:

- **Ultra Pure:** No dye in resin. Largely free of silica and carbon dioxide. 6.8 - 7.2.
- **Organic Removal:** Activated carbon removes organic and chlorines from feed water. Place ahead of Ultra Pure or High Capacity cartridge. Replace after second demineralizer cartridge replacement.
- **High Capacity:** Lower purity than Ultra Pure.

Prod. No.	Type	Finished Water Resistance	Specifications Capacity	Unit
2079100	Ultra Pure	1 meg ohm/cm endpoint	13,000 mg ionized solids	1 each
2074200	Organic Removal		5500 L	1 each
2079200	High Capacity	175,000 ohm/cm	29,500 mg ionized solids	1 each
2079400	Required Wall Bracket, 18 Tall			1 each

Siemens® IWT Cartridge Filtration System

Convenient, economical, high quality modular water filtration system that operates on city water pressure and can easily be expanded to fit most needs. No electricity required. Up to 18 Megohm water quality can be achieved with this system. Choose from two cartridges:

Adsorber: For pretreatment of water containing organics, free chlorine, phosphate complexes and turbidity.

Universal: Produces water quality comparable to a level obtained by single distillation. Removes all constituents except free carbon and silica.

Features:

- No instruments needed
- Substantial cost savings compared to distilled water
- Convenient color change indicates end of life

Prod. No.	Description
2967000	Adsorber Cartridge
2967100	Universal Cartridge
2967200	Single Cartridge Wall Bracket
2967300	Duplex Cartridge Wall Bracket



Water System, Ultrapure, Millipore® Direct-Q 3 System



Designed for laboratories that do not have access to pretreated water and need between 1 and 10L of ultrapure water per day, the Direct-Q system delivers ultrapure (type I) and pure (type III) water on demand directly from tap water.

Direct-Q offers superior ultrapure water for BOD applications and effectively eliminates source water as a cause of high blanks in BOD analysis. Other applications include TOC analysis, general laboratory use, and creation of Standard Solutions for Turbidity and Metals testing. DQ3 Purification pack also required and sold separately. Dimensions: 16.5 x 11.4 x 21.3 (LxWxH). 90–255V, 50–60 Hz.

Features:

- Easy installation, intuitive operation
- Maintenance offers simple cartridge change twice a year
- Easily accommodates different sizes of common lab glassware

Ultrapure (Type I) Water Quality - Regular Operation Conditions

Resistivity, MΩ cm at 25°C	18.2
Particulates (Size > 0.22µm) (w/ Millipak® Express 20 filter or BioPak™ cartridge)	<1 Particulate / mL
TOC (Direct-Q 3 System)	<10 ppb
TOC (Direct-Q 3 System with UV Lamp)	<5 ppb
Flow rate (w/ Millipak® Express 20 filter or BioPak™ cartridge)	>0.5 L / min

Pure (Type III) Water Quality - Regular Operation Conditions

Ionic Rejection	>94%
Organic Rejection for MW > 200	>99%
Bacteria and Particulates	>99%
Flow Rate	2.4 L / hr at 15°C (typical)
Volume	Up to 10 L/day

Prod. No.	Description	Unit
2512100	Direct-Q 3 System (DQ3 Smart Pack Required)	1 each
2512200	Direct-Q 3 System with UV Lamp ¹ (DQ3 Smart Pack Required)	1 each

Consumables and Accessories

Prod. No.	Description	Unit
2512201	DQ3 Smart Pack	1 each
2512800	BioPak Ultra-filtration Cartridge	1 each
2512204	Wall Bracket	1 each
2512900	30L Reservoir	1 each
251901	Tank Connector Kit for 30L Reservoir	1 each
251902	Wall Bracket for 30L Reservoir	1 each
2512202	Millipak-20 Filter Unit	1 each
2512700	UV Lamp 185nm ¹	1 each
2512203	Vent Filter	1 each

¹Cannot be shipped to CT, IL, IN, LA, MA, ME, NC, NH, VT, WA, RI.

UV Lamp contains mercury. Dispose according to state, local or federal regulations.

Water System, Ultrapure, Millipore® Simplicity System



The Simplicity system delivers ultrapure (type 1) water from pretreated water (distilled, deionized or reverse osmosis) to laboratories requiring < 5 liters of ultrapure water per day. Simplicity is lightweight and optimal for your portable ultrapure water needs.

Applications include preparation of blanks and standard solutions for a variety of analytical procedures. Choose with or without built-in UV lamp. Purification pack required and sold separately. Choose the Purification Pack right for your laboratory. Dimensions: 14.2 x 11.4 x 20.1 (LxWxH). Operating weight: 18 to 20 lbs. 100 -230V, 50/60Hz.

Features:

- Easy installation, intuitive operation
- Maintenance offers simple cartridge change twice a year
- Automatic notification to change your purification cartridge
- Lightweight and portable

Ultrapure (Type I) Water Quality - Regular Operation Conditions	
Resistivity, MΩ cm at 25°C	18.2
TOC (Simplicity System)	<15 ppb
TOC (Simplicity System with UV Lamp)	<5 ppb
Flow rate	>0.5 L / min
Volume	Up to 5 L/day

Prod. No.	Description	Unit
2512300	Simplicity System (Purification Pack Required)	1 each
2512400	Simplicity System with UV Lamp ¹ (Purification Pack Required)	1 each

Consumables and Accessories

Prod. No.	Description	Unit
2512402	Purification Pack	1 each
2512403	Simplicity Final Filter, 0.05µm	1 each
2512404	Wall Mount Bracket	1 each
2512700	UV Lamp 185nm ¹	1 each
2512800	BioPak Ultra-filtration Cartridge	1 each

¹Cannot be shipped to CT, IL, IN, LA, MA, ME, NC, NH, VT, WA, RI.
UV Lamp contains mercury. Dispose according to state, local or federal regulations.

Water System, Ultrapure, Millipore® Synergy System



The Synergy system delivers ultrapure (type 1) water from pretreated water (distilled, deionized or reverse osmosis) to laboratories requiring < 50 liters of ultrapure water per day. The compact design assures easy installation anywhere in your lab, on the bench or wall-mounted. The Synergy system allows delivery of a fixed volume of Type I water and automatically shuts off once the selected volume has been delivered. Available with or without built-in UV lamp.

Applications include HPLC isocratic and gradient solution preparation, Sample dilution, Preparation of chemical solutions used with titrators, spectrophotometers and general laboratory use. Purification pack required and sold separately. Choose the Purification Pack right for your laboratory. Dimensions: 15 x 11.4 x 21.3 (LxWxH). 100 -230V, 50/60Hz.

Features:

- Easy installation, intuitive operation
- Maintenance offers simple cartridge change twice a year
- Automatic notification to change your purification cartridge
- Time saving, fixed-volume dispensation

Ultrapure (Type I) Water Quality - Regular Operation Conditions	
Resistivity, MΩ cm at 25°C	18.2
TOC (Synergy System)	<10 ppb
TOC (Synergy System with UV Lamp)	<5 ppb
Flow rate	Up to 1.5 L /min
Volume	Up to 50 L/day

Prod. No.	Description	Unit
2512500	Synergy System (Purification Pack Required)	1 each
2512600	Synergy System with UV Lamp ¹ (Purification Pack Required)	1 each

Consumables and Accessories

Prod. No.	Description	Unit
2512602	Purification Pack	1 each
2512604	Pressure Regulator	1 each
2512202	Millipak-20 Filter Unit	1 each
2512404	Wall Mount Bracket	1 each
2512700	UV Lamp 185nm ¹	1 each
2512800	BioPak Ultra-filtration Cartridge	1 each
2512203	Vent Filter	1 each

¹Cannot be shipped to CT, IL, IN, LA, MA, ME, NC, NH, VT, WA, RI.
UV Lamp contains mercury. Dispose according to state, local or federal regulations.

WEIGHING BOAT – WIPES, DISPOSABLE

Weighing Boat

Flexible plastic receptacles for handling liquids or solids during weighing. These flexible polystyrene boats bend easily into a pouring spout to ensure non-spill transfer after weighing sample. Stiff lip provides sure-grip surface for handling; won't react to most weighing sample materials.



Prod. No.	Description	Unit
2179000	67/46 mm I.D. Top/Base	500 /pk
2179100	110/85 mm I.D. Top/Base	500 /pk

Weight Set, Class M-2

Standard weight set. 16-piece, with stainless steel forceps. Eight fractional weights: 10, 20, 50, 100, 200, 200, 200, and 500 mg. (Two fractional weights, 200 mg and 500mg, are stainless steel, the rest are aluminum) Eight brass gram weights: 1, 2, 2, 5, 10, 10, 20, and 50 grams. Polypropylene case.



Prod. No.	Unit
2101100	1 each

See page 273 for ASTM Class 1 Balance Weight Set.

Weighing Paper

Smooth surface for efficient sample recovery.



Prod. No.	Description	Unit
1473885	102 x 102 mm (4 x 4)	500 pk

Wipes, Disposable

For wiping critical surfaces. Ideal for use with spectrophotometer cells and other optically sensitive glasses.



Prod. No.	Description	Unit
2096900	38 x 43 cm	70 /pk
2097000	11 x 22 cm	280 /pk
2097060	11 x 22 cm	60 pkgs