

SAMPLING OF PETROLEUM AND PETROLEUM PRODUCTS AND LP GASES



Sampling of Petroleum and Petroleum Products Sampling Liquefied Petroleum (LP) Gases

Test Method Standards

All samplers conform to ASTM D4057 (formerly ASTM D270), D6074 or ASTM D1265 specifications.

Sample Thief (Bacon Bomb)

- Obtains bottom samples or samples from any level
- Four different capacities
- Plated brass, stainless steel or acrylic construction
- Standard Viton O-ring seal
- Optional metal-to-metal seal

Obtains samples from storage tanks, tank cars and drums. When the thief strikes the bottom of the tank, a plunger assembly opens to admit the sample. The plunger closes again when the bomb is withdrawn, forming a tight seal. Samples can be taken at any depth with the use of a secondary trip line, or extension rods may be added for obtaining samples at levels of up to 18"(46cm) off the bottom. Equipped with plunger locking cam for tight closure during transport (except for 4 oz 1½" dia. model). Special models include a 4 oz (118mL) 'pencil' model for sampling through small diameter pipes and openings, and clear acrylic samplers with plated brass plunger and end pieces. Modified samplers can be supplied for special applications – we invite your inquiries.

Specifications and Ordering Information

Catalog No.	Capacity oz(mL)	Construction	Seal	Outside Diameter (O.D.)in.(cm.)	Overall Length in.(cm)	Shipping Weight lbs(kg)
K27700	32 (946)	plated brass	Viton O-ring	3¾ (8.6)	15½ (38.5)	13 (5.9)
K27701	32 (946)	stainless steel	Viton O-ring	3¾ (8.6)	15½ (38.5)	13 (5.9)
K27790	16 (473)	plated brass	Viton O-ring	2¾ (7)	12½ (30.6)	9 (4.1)
K27795	16 (473)	plated brass	Metal Seat	2¾ (7)	12½ (30.6)	9 (4.1)
K27791	16 (473)	stainless steel	Viton O-ring	2¾ (7)	12½ (30.6)	8 (3.6)
K27792	16 (473)	acrylic	Viton O-ring	2¾ (7)	12½ (30.6)	8 (3.6)
K27780	8 (237)	plated brass	Viton O-ring	2⅝ (5.9)	10½ (25.8)	5 (2.3)
K27785	8 (237)	plated brass	Metal Seat	2⅝ (5.9)	10½ (25.8)	5 (2.3)
K27781	8 (237)	stainless steel	Viton O-ring	2⅝ (5.9)	10½ (25.8)	5 (2.3)
K27782	8 (237)	acrylic	Viton O-ring	2⅝ (5.9)	10½ (25.8)	5 (2.3)
K27770	4 (118)	plated brass	Viton O-ring	1½ (4.7)	9⅞ (24.6)	4 (1.8)
K27771	4 (118)	stainless steel	Viton-O-ring	1½ (4.7)	9⅞ (24.6)	4 (1.8)
K27772	4 (118)	plexiglass	Buna N O-ring	1½ (4.01)	9⅞ (24.6)	3 (1.4)
K27760	4 (118)	plated brass	Viton O-ring	1½ (2.8)	13¼ (33.7)	3 (1.4)
K27761	4 (118)	stainless steel	Viton O-ring	1½ (2.8)	13¼ (33.7)	3 (1.4)
K27762	4 (118)	acrylic	Viton O-ring	1½ (2.8)	13¼ (33.7)	3 (1.4)

Sample Thief Extension Rods

Installs in sample thief plunger assembly. Stainless steel with threaded end.

Catalog No.	Length in. (cm)	Application
K277-EXT1	1 (2.5)	32,16 and 8 oz models
K277-EXT2	2 (5.1)	
K277-EXT3	3 (7.6)	
K277-EXT6	6 (15.2)	
K277-EXT12	12 (30.5)	
K277-EXT18	18 (45.7)	
K277C-EXT1	1 (2.5)	4 oz models
K277C-EXT2	2 (5.1)	
K277C-EXT3	3 (7.6)	
K277C-EXT6	6 (15.2)	
K277C-EXT12	12 (30.5)	
K277C-EXT18	18 (45.7)	

All-Levels Sample Thief

Similar to the standard 16 oz (473mL) Sample Thief (Bacon Bomb), but equipped with an adjustable needle valve opening instead of a plunger to control rate of flow during 'all-levels' and 'running' sampling from storage tanks. Plated brass construction.

Ordering Information

Catalog No.
K27800 All-Levels Sample Thief

Adjustable-Level Sample Thief

Takes samples at depths up to 12" (30.5cm) from bottom. Similar to the standard 16 oz (473mL) Sample Thief (Bacon Bomb), but with built-in graduated extension rod adjustable between 0-12" (30.5cm). Plated brass construction.

Ordering Information

Catalog No.
K27900 Adjustable Level Sample Thief