**GRAMS ASPIRATOR (Model S-300)**

**AN EFFICIENT, EXCEPTIONALLY QUIET, PORTABLE, DEEP VACUUM ASPIRATOR FOR SURGERY**

A fully enclosed sound insulated housing, with whisper quiet cooling fan, permits the modular pump motor to run continuously, producing vapor pressure vacuum in the disposable 1.5 liter container. A vacuum of 28" Hg is obtained by the Grams Aspirator in 12 seconds.

The housing is powder-coated aluminum and the clam shell design provides easy access to the pump and filters. Large casters provide smooth movement in and out of the operating room. Quietness is achieved by isolation of the pump vibration and high density insulation. The handle and containment system is easily removed for compact transportation and storage.

Pump and motor module are one piece, light weight, easily removed for service without tools. The oil type, two stage, rotary pump in the Grams Aspirator is one of the most efficient in producing deep vacuum. When less than full vacuum is needed, a vacuum control valve can control the amount of vacuum from 0 to 30" Hg.

An intake filter protects the motor from particle contamination. Air quality is assured by an easily maintained exhaust filter which traps oil mist and condensation.

The modular electrical panel incorporates a pneumatic foot pedal. The motor is thermally protected and an external circuit breaker protects the panel from electrical overload.

The modular concept of the pump, filters, and electrical panel, make factory replacement and service simple and can be serviced by non-technical personnel.

The disposable containment system is a cost effective, semi-rigid, disposable liner and lid supported by a rigid clear outer canister. The reusable outer canister is marked with graduations from 10-30cc, then 50cc markings up to the total volume of 1500cc. The disposable assembly incorporates a reverse cone permitting small volume measurements.

The lid has two inlets for a 1/4” and 3/8” hose connection, plus a 1” pouring spout. All openings are capped off after use for leak proof disposal. A built in shut off valve prevents accidental over fill from entering the pump system. It also incorporates a microbial filter to trap 99.9% of air borne microorganisms and particulate matter. The lid and liner are separate for compact storage, but snap together easily when needed.

**Specifications:**

**Model S-300:** Total weight - 55 lbs.

**Housing:** Powder-coated (light gray) on aluminum

- 13” H x 14” W x 19” L
- 31” top of handle (includes 4” casters)

**Electrical:**

- 120V AC, 7 Amp, 8 ft. power cord,
- Pneumatic on/off foot pedal
- Manual on/off switch

**Pump Module:**

- ½ Hp, 3cfm (85l/m)
- Vacuum: 25 microns (29.9975” Hg)
- Weight: 24 lbs.

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**Grams Medical**

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Rev 5 - 10/12
CL-340: Canister Liner with Lid, Disposable - 10 per box

CLC-340: - 100 per case

OC-341: Outer Canister Use with CL-340 liners

Disposable Tubing:
DT-338 - 3/8” x 9’
Sterile individually wrapped, Clear vinyl tubing, one time use - 10 per box

Silicone Tubing:
Highly Flexible, Steam Autoclavable, Translucent
SH-323 - 3/8” x 8’
SH-324 - 1/4” x 8’
Also available in custom lengths priced by the foot.

VO-325 Vacuum Pump Oil
1 qt. (32 oz.)

Aspirator Filter Cartridges:

EIF External In-line Filter Microbial
FE-326 Standard Filter 5 Micron Intake & Exhaust
FE-337 Charcoal Filter Exhaust
FE-336 Microbial Filter 0.2 Micron Intake & Exhaust

SP-320 Vacuum Pump Module
Replacement or to keep on hand as a back-up

VG-329 Vacuum Gauge

VCV Vacuum Control Valve

CV-331 Check Valve

FP-331 Foot Pedal

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