

Gryphon

Liquid Handling System

- High Throughput Screening
- Genomic Solutions
- Protein Crystallography



The Gryphon is a small modular dispenser. Interchangeable heads, optional X-Y stage, and optional nano dispensers can be added at anytime in the future.

It is designed to meet the demanding requirements of today's laboratories. The Gryphon accomplishes fast, efficient liquid handling by moving air-tight seals inside 96 or 384 precision glass syringes arrayed in microplate spacing. The innovative design of the Gryphon dispensing head allows users to easily remove the entire syringe head for servicing or for changing to a different syringe style. An operator can change syringe heads in minutes, without the use of any tool.

The removable head design enables users to optimize the configuration of the Gryphon for a specific application by installing the proper dispensing head. The 96-syringe head is available in 100, 250, 500, 1000 μ l with flexible needles - or choose the 384 head with flexible needles.

Easy-to-learn and easy-to-use graphical interface features drag-and-drop protocol creation and real time protocol validation. The Windows-based software allows for user control of all parameters to optimize sample dispensing. Plates can be easily selected from the plate library, or new plates can be quickly defined.

Gryphon features:

- Modular design allows for custom set ups to meet needs of application.
- Stand alone touch screen control or computer control.
- Flex tip positive displacement dispense head for dispensing down to 100 nl.
- 96-head with 100, 250, 500 and 1000 µl volume options.
- 96 or 384 head options with flexible needles.
- Optional non-contact 1-channel dispenser.
- Optional 2 position X-Y stage.
- Optional integrated wash system.
- Easy to use drag-and-drop software for use with stage.
- Small space-saving footprint (h x w x d): 20 x 23 x 23 inches (51 x 59 x 59 cm).

Gryphon specifications:

- Dispense volumes:

96/384 Head:	100 nl to 1000 µl
Nano:	100 nl to 100 µl

- Size:

Base (h x w x d):	20 (51) x 23 (59) x 23 (59) inches (cm) 68 lbs, 31 kg
Wash (h x w x d):	13 (33) x 6,5 (17) x 14 (36) inches (cm) 5,5 lbs, 2,5 kg
Nano (h x w x d):	9,5 (24) x 6 (15) x 16 (41) inches (cm) 18,5 lbs, 8,4 kg

- Electrical:

Base:	120/240 Vac, 3 A, 50/60 Hz
Wash:	120/240 Vac, 2 A, 50/60 Hz
Nano:	120/240 Vac, 1,5 A, 50/60 Hz

- Software:

Windows dotNet



Please note also available are:

The “**Phoenix**” - the bigger version of the “Gryphon” for high-throughput liquid-handling with 9 plate positions. Optional non-contact 1-, 2-, 3- or 4-channel dispenser.

The “**Cobra 148**” with 2 plate positions and 1, 4, or 8-channel dispenser.

The refurbished “**Hydra**” - for high-speed aspirating and dispensing of finite volumes.

Further details upon request.