The New Technology in Degassing is here...
The Bottle Top Degassing System Patent*

What is VacCap . . ?
VacCap is installed directly on the top of the Mobile Phase bottle and has a GL-45 standard thread. The Mobile Phase flows through the VacCap which consists of a vacuum chamber with thin walled Teflon membrane. While passing through the membrane the gases are drawn out of the solvent. We call this "on-line" degassing and it is the best method. All the dissolved gases are drawn out from the Mobile Phase to the MultiVacTM vacuum pump station.

Any mobile phase that reaches the LC pump is therefore guaranteed to contain less than 0.5ppm 02.

What is Multivac" . . ?
MultiVac is a rugged vacuum pump which can handle up to 8 VacCaps" - yes , it is correct it has enough capacity to degass up to 8 stations simultaneously. Think of the convenience of just adding one VacCap'" after the other as you need more degass i ng capacity. MultiVac" is a vacuum pump built to provide a 27 inches of mercury pressure and keeps automatically an appropriate level of vacuum.

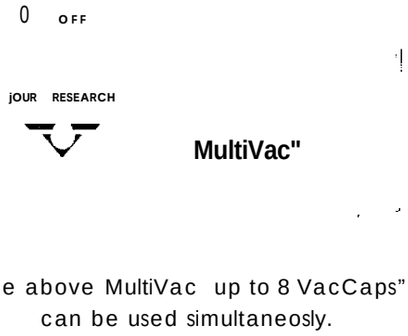
The vacuum pressure is monitored by the MultiVac" electronics and is indicated by a front panel LED which changes to red when the vacuum pump starts and to green when the pressure reaches 27 inches of mercury.

When the vacuum drops below this level the pump starts automatically and continues to operate until the set vacuum level has been reached.

What is No-Ox" Tubing?
Jour No-Ox" tubing has been designed especially for degassing . Teflon tubing is the standard type of tubing generally used in HPLC and is the worst tubing which can be used to transfer mobile phase to the pump since it allows atmosphere to re-enter into the mobile phase, yet it is the best for inertness.

No-Ox" is a co-extruded polymer tubing with extremely low oxygen permeability and is standard with all our VacCap" installations and is to be installed between the VacCap" and your HPLC pump for best performance. Ask for a detailed Data Sheet.

*US Patent No. 5,340,384 other Patents Pending.



On the above MultiVac up to 8 VacCaps" can be used simultaneosly.

Bottle Top Degassing System

Part No.	Description
0001-5641 0001-5741	MultiVac", Vacuum Station with 5 m vacuum tubing P/N 205199A VacCap" Degassing Unit with 3 p c s P / N 20116, 3 pcs P/N 051, 1 pcs P/N 20124, 1 pcs P/N 041, 1 pcs P/N 20089, 2 pcs 6141, 1 m P/N 6800, 1,5m P/N 6130, 1,5 m P/N 205199A, 1 pcs P/N 3677-l0, 2 pcs P/N 11571

Spareparts – Bottle Top Degassing System

Part No.	Description
20116	PEEK Flangefree Nut 1/8"
051	Tefzel Ferrule 1/8"
20124	PEEK Flangefree Nut 1/16"
041	Tefzel Ferrule 1 /16"
20089	Kel-F Plug for return port when not in use
6130	No-Ox™ Tubing
6141	Inserts for No-Ox" Tubing
6800	Teflon Tubing OD l/8" x ID 7.60 mm
205199A	Vacuum Tubing OD l/S"
3677-10	Mobile Phase Inlet Filter (l0u
11571	Vent Filter (0,2µ)

VacCap™ Specifications

Dimensions	
Diameter:	**8.9 cm**
Height Above Bottle:	**5.2 cm**
Cap Threads:	**GL-45**
Housing Material:	**UHMW Polyethylene**
Wetted Materials:	**Teflon", Kel-F", 316 Stainless Steel**
Operating Temp:	**Ambient**
Internal Volume:	**I5mL**
Degassing Efficiency:	**0.5 ppm at 1 mL/min 7.2 ppm at 4 mL/min (using 02, saturated water at 25-C)**

MultiVac™ Specifications

Dimensions:	**10 cm H x 13.5 cm W x 31.5 cm D**
Weight:	**3.2 kg**
Vacuum:	**27.5" Hg**
Power:	**100/120/'220/240 VAC XI/60 Hz**

JOUR RESEARCH