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## Shimadzu DGU-20A3 Degasser

### Performance Specifications

#### **Membrane Degassers:**

DGU-20A3 (3 channel)

DGU-20A5 (5 channel)

- <400 uL internal volume
- Connects to pump for power and control
- Teflon AF® high efficiency membrane

#### **Specifications**

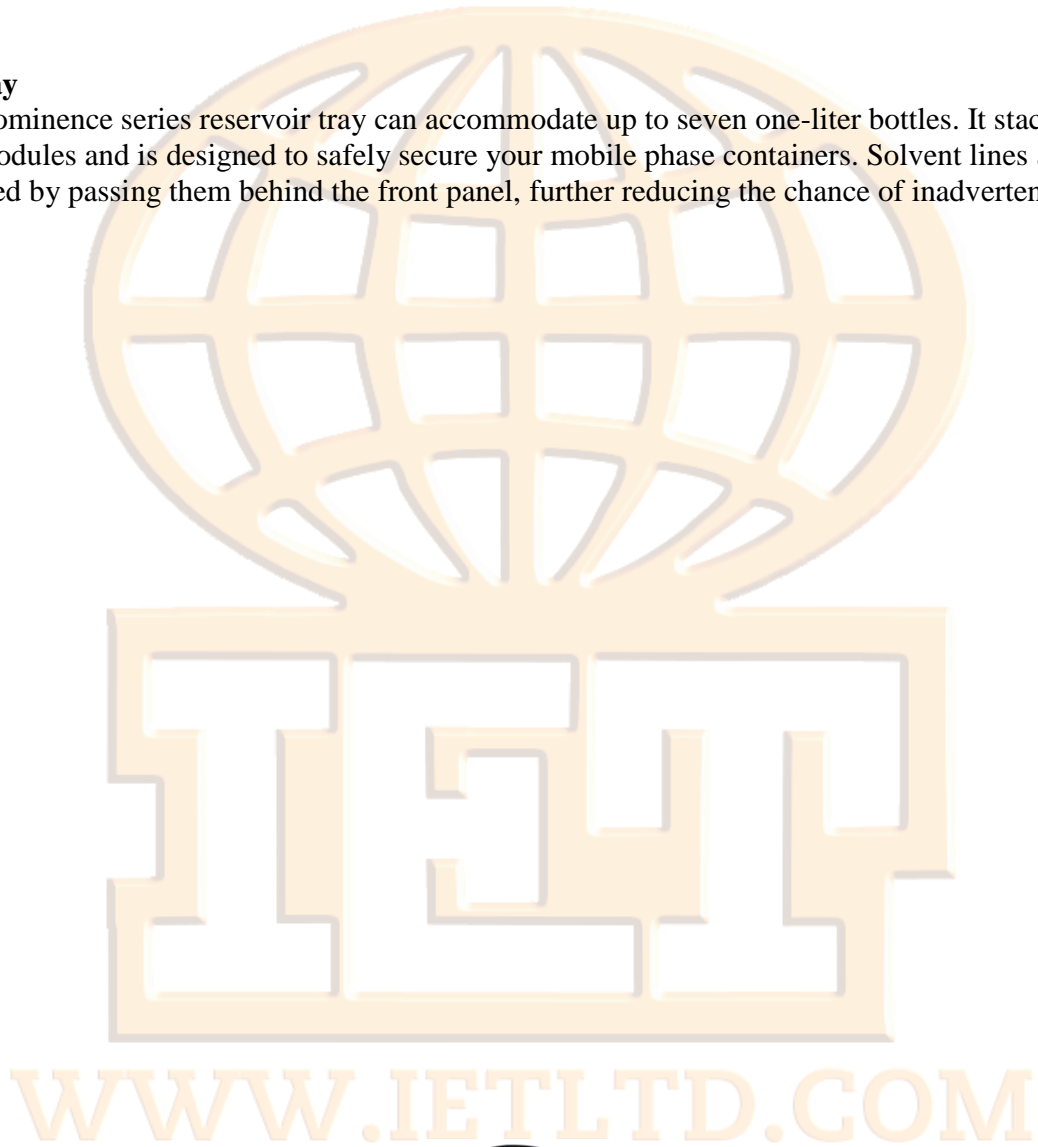
	DGU-20A3 (228-45018-32)	DGU-20A5 (228-45019-32)
Degassing Channels	3	5
Internal volume	380uL	380uL
Operating Temperature Range (non-condensing conditions)	4 degrees C to 35 degrees C	4 degrees C to 35 degrees C
Dimensions	260 (W) x 70 (H) x 420 (D) mm, 5kg	260 (W) x 70 (H) x 420 (D) mm, 5.2kg
Power	Supplied from LC-20AB/AD/AT pump	Supplied from LC-20AB/AD/AT pump
Auxiliary AC adapter (for non- Prominence pumps)	228-45110-92	228-45110-92

Removing dissolved gases in mobile phase is a critical step for ensuring proper function of the pumping system. It is especially important in a low-pressure gradient mixing system, sometimes referred to as a quaternary system, where mobile phase components are mixed at near ambient pressure. Solvents mixed under these conditions can form micro bubbles from out-gassing caused by the mixing of liquids with dissimilar gas solubilities. These micro bubbles can affect the system in many ways – from impaired check valve performance to a noisy baseline to bubbles being trapped in the detector flow cell.

The DGU-20A's utilize an additional channel for degassing the rinse phase of the autosampler. Degassing of the rinse phase is necessary to get the ultimate in accuracy and precision from the injector. The DGU-20A's are conveniently powered by the Prominence series pumps and can be controlled by Shimadzu software. Regulated laboratories will appreciate the DGU-20A's ability to output the vacuum level – allowing one to monitor and record its stability throughout the run. All of these features in a compact module designed to stack efficiently with the Prominence series makes the DGU-20A an indispensable accessory for any HPLC system.

### **Reservoir Tray**

The Prominence series reservoir tray can accommodate up to seven one-liter bottles. It stacks with other Prominence modules and is designed to safely secure your mobile phase containers. Solvent lines are kept neatly organized by passing them behind the front panel, further reducing the chance of inadvertent spills.



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