



Technical Help

Plant Moisture Systems

Filling the gas bottles

Skye supply scuba diving bottles for their Plant Moisture System, as these are small and lightweight, easily portable and ideal for field work. Skye always recommend these bottles are refilled by personnel trained in the use of high pressure gases. The bottles have two filling connections, a clamp / yoke fitting and an international DIN standard screw fitting (5-thread, metric M25 x 2). Both of these fittings have a maximum pressure rating of 232 bar.

Please follow these instructions to use the screw connection:

1. Ensure the gas bottle is closed and both regulator dials show zero. Remove the flexible hose from the Skye Plant Moisture System
2. The gas regulator is attached to the gas bottle via an 'A' shaped clamp. Unscrew the black clamp and remove the regulator from the bottle
3. Locate the small 'O' ring seal at the top of the bottle pillar note there is a hexagonal hole in the centre of the 'O' ring
4. Use a hexagonal Allen key to unscrew the centre piece inside the 'O' ring seal take care not to loose the rubber 'O' ring seal or this centre piece
5. The screw fitting now revealed is a standard international DIN fitting (5-thread, metric M25 x 2) and can be used for filling the gas bottle.



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