

Hydrolyser

Pressurised thermal hydrolysis

Efficient

Controllable

Inert



Developed initially to perform the hydrolysis of poly and meta-phosphate to orthophosphate, the 7601 Hydrolyser has a range of uses where the requirement is to “pressure-cook” a sample to speed up or create the conditions for a chemical reaction

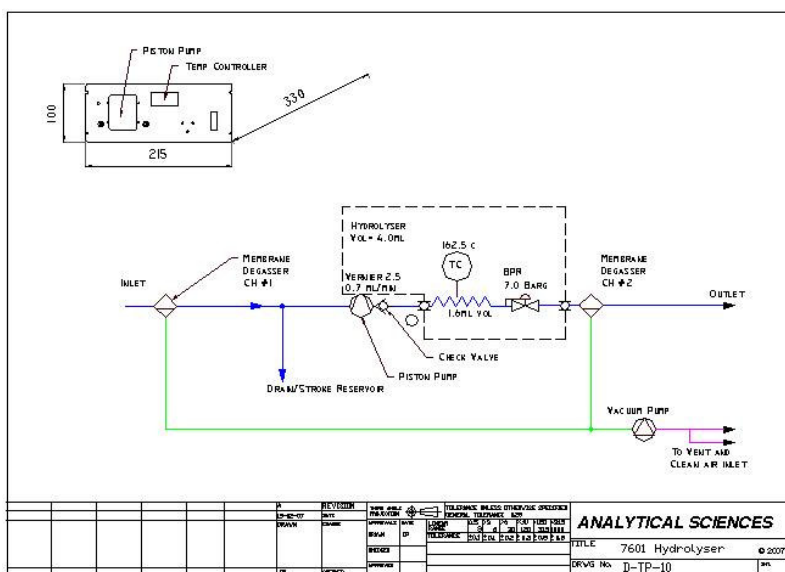
7601 HYDROLYSER

Efficient, robust



Hydrolysis is a chemical process in which a molecule is cleaved into two parts by the addition of a molecule of water. One fragment of the parent molecule gains a hydrogen ion (H+) from the additional water molecule. The other group collects the remaining hydroxyl group (OH-).

- We offer a self-contained Hydrolysis module to perform this task where the temperature, flow and pressure conditions may be independently set.
- The hydrolysis module incorporates a piston pump and is a stand alone flow-through unit.
- All wetted parts are made from glass, ceramic materials, Teflon® and Viton®. Alternative materials are available on request.
- Tube connections are standard lab 10-32 coned fittings.
- The module can operate alone or may be PC controlled



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|-------------------------|---|
| Volume | 2.5ml |
| Wetted Parts | Teflon®, PEEK® and Viton® |
| Typical flowrates | User adjustable up to 8ml/min |
| Max Pressure | Adjustable up to 7.0 Barg |
| Max Temperature | User adjustable up to 180°C |
| Power | 240/110VAC, 50/60 hz, 750VA |
| Dimensions | Height: 100mm Width: 215mm Depth: 230mm |
| Weight | 2.0Kg |
| Sample Connections | 10-32 NF coned fittings |
| PC COM | RS232 |
| Ambient operating range | 8° to 36°C |

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