



TOXIC INTERFACE UNIT (TIU)

Overview: The Toxic Interface Unit provides a separation chamber with a free flowing belloram rolling diaphragm, to prevent toxic/contaminated fluids and vapours from entering the aluminium base of the cell or pressure/volume controller, removing the risk of any damage to the equipment from the potentially corrosive fluids.

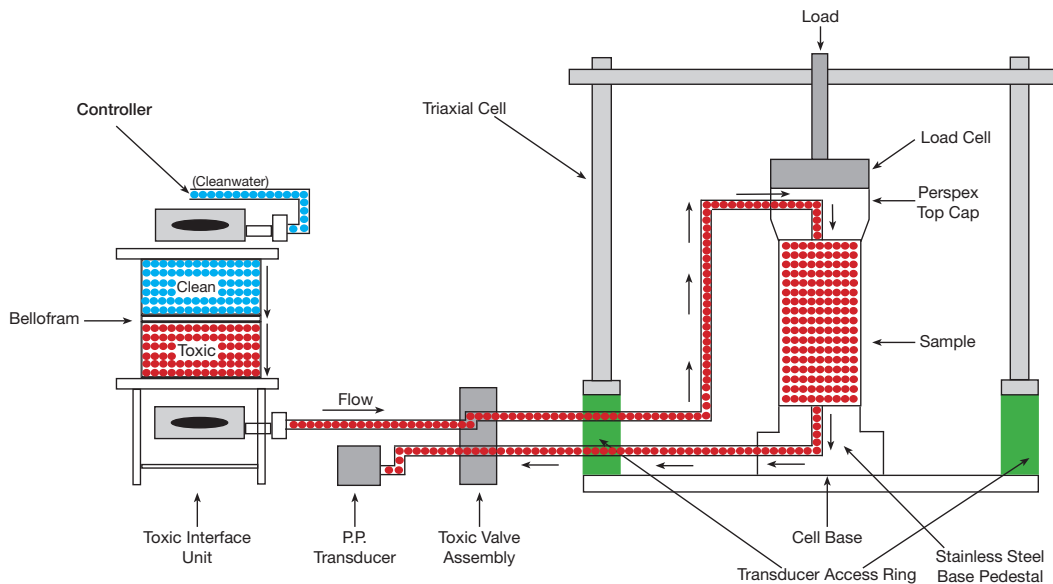
The Toxic Interface Unit is paired with an access ring, specialist pedestals and a valve setup to provide the most suitable solution when using contaminated materials during testing. The Toxic Interface Unit is suitable for specimens that a high salinity content, or from potentially contaminated sites. Construction of the chamber is stainless steel for complete corrosion resistance.

Key Features:

Benefits to the User:

Harsh Sample Testing Capabilities:	Suitable with contaminated liquids such as: Ammonium Chloride, Barium Sulfate, Pottasium and Chloride etc.
User-Friendly Design:	Small compact design, easy set-up and dismantle for cleaning.
Compatible with many GDS systems:	The toxic interface is commonly used with GDS' low pressure static and dynamic triaxial systems. However, it can also be used with GDS' Resonant Column and Back Pressured Shearbox.
Upgrade existing apparatus:	The toxic interface can upgrade existing systems with the addition of an access ring, valve panel assembly and toxic interface unit.

Handling of toxic fluids and substances with GDS Instruments toxic interface unit



Technical Specification:

Material:	Stainless Steel 316
Pressure Rating:	2MPa
Volume:	Over 200cc to allow full pressure controller movement
Weight & Dimensions:	<5 kg, 227.90mm x 112.00mm

Why Buy GDS?

GDS have supplied equipment to over 86% of the world's top 50 Universities:

GDS have supplied equipment to over 86% of the world's top 50 Universities who specialise in Civil & Structural Engineering, according to the "QS World University Ranking 2020" report.

GDS also work with many commercial laboratories including BGC Canada, Fugro, GEO, Geolabs, Geoteko, Golder Associates, Inpijn Blokpoel, Klohn Crippen, MEG Consulting, Multiconsult, Statens Vegvesen, NGI, Ramboll, Russell Geotechnical Innovations Ltd, SA Geolabs, SGS, Wiertsema and Partners to name a few.

**TOP
50**

Would you recommend GDS equipment to your colleague, friend or associate?

100% of our customers answered "YES"

Results from our post-delivery survey asked customers for feedback on their delivery, installation (if applicable), supporting documentation, apparatus and overall satisfaction with GDS. The survey ran for two years.



Made in the UK:

All GDS products are designed, manufactured and assembled in the UK at our offices in Hook. All products are quality assured before they are dispatched.

GDS are an ISO9001:2015 accredited company. The scope of this certificate applies to the approved quality administration systems relating to the "Manufacture of Laboratory and Field Testing Equipment".

**40 YEARS OF
BRITISH
INNOVATION** 

Extended Warranties:

All GDS apparatus are covered by a 12 month manufacturers warranty. In addition to the standard warranty, GDS offer comprehensive extended warranties for 12, 24 and 36 months, for peace of mind against any repairs in the future. The extended warranties can be purchased at any time during the first 12 months of ownership.



GDS Training & Installation:

All installations & training are carried out by qualified engineers. A GDS engineer is assigned to each order throughout the sales process. They will quality assure the apparatus prior to shipping, if installation has been purchased, install the apparatus on the customers site & provide the training.



Technical Support:

GDS understand the need for ongoing after sales support, so much so that they have their own dedicated customer support centre. Alongside their support centre GDS use a variety of additional support methods including remote PC support, product helpsheets, video tutorials, email and telephone support.

