

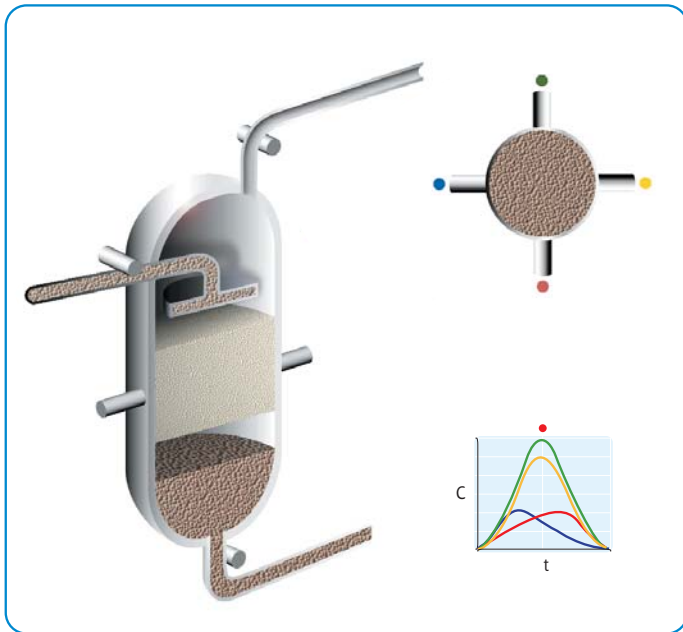
TRACERCO Diagnostics™ Residence Study

TRACERCO Diagnostics™ Distribution Study

The time and distribution of material through mixing, reaction or separation vessels can be critical to industrial processes.

A **TRACERCO Diagnostics™** Residence Study can offer a rapid, on-line and cost effective method of determining the optimal process parameters. It can also identify other problems such as channelling, by-passing and internal blockage.

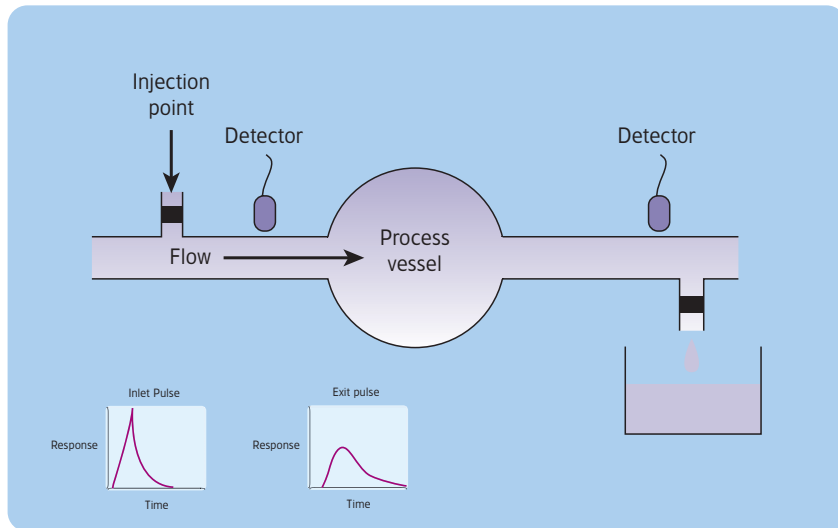
Distribution Study



The requirements on site are a suitable injection point on the main feed line to the vessel. The Tracerco engineer will survey the system to locate the optimum position and the method of injection to ensure all safety concerns are addressed. The tracer material can be provided in numerous forms and careful consideration will be made to ensure that a process compatible chemical is used. A sharp pulse of this tracer is injected into the process and its path through the system is measured by external detectors but in certain cases by sampling from a suitable point on the exit line. These samples would then be analysed for tracer content. The use of sophisticated software and experienced interpretation allows for precise analysis of the process to be made.

Please call us today to discuss how we can assist in your production operations.

Residence Study



This is a simple example of using an array of radiation detectors. We can observe a number of different points on the plant simultaneously. This is valuable for determining the Residence Time characteristics or investigating the fine detail of flow paths through vessels.

This method has a wide range of applications as an aid to process diagnostics and trouble-shooting including the following:

- Reactors.
- Oil/Water Separators.
- Packed Bed Distillation Towers.
- Driers.
- FCCU Systems.

The tracer is available in liquid (organic and aqueous), gas and solid forms depending upon the duty of the vessel/process under investigation.

All processes are different so please seek our advice if you have a problem.

Corporate Headquarters:
4106 New West Dr.
Pasadena, TX 77507 USA
Tel 281 291 7769
Fax 281 291 7709
Toll Free 800 288 8970

Field Office Locations:
Corpus Christi, TX 78409 USA
Tel 361 242 4815

Newark, DE 19702 USA
Tel 302 454 1109
Merrillville, IN 46410 USA
Tel 219 945 0400
Toll Free 877 994 0400
Baton Rouge, LA 70820 USA
Tel 225 761 0621
Concord, CA 94520 USA
Tel 925 687 0900

West Valley City, UT 84119 USA
Tel 801 478 0736
Edmonton, AB, T6E 6A6 CANADA
Tel 780 469 0055
Sarnia, ON, M7S 5C5 CANADA
Tel 519 332 6160


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