

Fiber Optic Distribution Box Dissolution Technology



Overview

• Fiber optic dissolution systems started to appear in the mid 1990's. • Light is “pumped” into the vessel from the spectrophotometer for “in situ” analysis, then back to the spectrophotometer where the absorbance is. The Opt-Diss 410 brings dissolution measurement directly to the vessel, eliminating the need for manual or automated sampling along with the associated consumables, labor, and off-line analysis. Choose from our patented ARCH probes, designed specifically for dissolution testing, or the new patent. Fiber optic dissolution testing offers you a fast and cost-effective method for determining the rate of release of a drug product over time. It serves as a central point for fiber optic cable termination, splicing, and distribution. • They. 2010-11-17Assigned to AGILENT TECHNOLOGIES, INC. ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS). The manifold device communicates with liquid.



Article Content

UV Fiber Optic Dissolution

The Opt-Diss 410 brings dissolution measurement directly to the vessel, eliminating the need for manual or automated sampling along with the associated

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Fiber optic technology for dissolution testing has been a topic of interest for many researchers for some years. Josefson, Johansson, and Tortensson¹ published early research in this field in 1988. They

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Introduction Fiber Optics for dissolution testing has been beyond the prototype stage for over five years now. It is a labor saving and efficient way to analyze and sample dissolution testing procedures.

How to Use Fiber Distribution Box: A Comprehensive

A fiber distribution box (FDB) functions as a central hub in fiber optic networks where the main cable is split into multiple individual fibers for

Multiple fiber-optic dual-beam UV/Vis system with application to ...

A system for fiber-optic probing in dissolution testing of solid pharmaceutical formulations has been constructed. The system is based on an imaging spectrometer and a charged coupled

Ultimate Guide to Fiber Optic Distribution Box: Types

Fiber optic technology has revolutionized the telecommunications industry, enabling faster and more reliable data transmission. One essential

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Despite its technological youth, fiber optic dissolution has already become an important tool for research and development scientists and is beginning to appear in the quality control area of pharmaceutical

Fiber Optic Solution for QC Dissolution Testing

Our powerful analytical instruments and 21 CFR Part 11 compliant software measure concentration and percent dissolved data in real time and are widely trusted in quality control labs, both for accuracy

Comprehensive validation scheme for in situ fiber optics dissolution ...

One potential reason may be the lack of clear validation guidelines that can be applied for the assessment of suitability of fiber optics. This article describes a comprehensive validation

US6764651B2

A dissolution system provides remote flow cells integrated into a manifold device. The manifold device communicates with liquid input and output lines associated with each flow cell, as well as...

In-Situ Dissolution Testing Using Different UV Fiber

All these break-through studies had great impact on subsequent development of commercial instruments and established the platform for modern

FS Community

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

Opt-Diss 410 UV Fiber Optic Dissolution System

By moving light rather than liquids, the in-situ fiber optic UV system of the Opt-Diss 410 removes the need for filters, tubing, and syringes, saving time, labor, and costs, while enabling near real-time data

Fiberoptic UV Dissolution Ken Boda Method Development ...

- Fiber optic dissolution systems started to appear in the mid 1990's.
- They eliminate the need to remove the sample from the vessel.
- Light is "pumped" into the vessel from the spectrophotometer

Ultimate Guide to Fiber Optic Distribution Box: Types

In this article, we will delve into the world of fiber optic distribution boxes - what they are, their importance, types, installation process, advantages,

Fiberoptic UV Dissolution Ken Boda Method Development ...

- Agilent Cary60 Fiberoptic Dissolution System
- Developing a Fiberoptic Method 2
- Background of Fiber Optic Dissolution testing Fiber Optic Background.
- Dissolution testing can be a labor intensive and

Fiber Optic Distribution Box Application and Research Report

This report discusses the application and research of the Fiber Optic Distribution Box (FDB), systematically explaining its basic concepts, functional structure, operating principles,

Agilent Technologies Practical Solutions Newsletter

Method Development and Validation for Online UV-Dissolution Methods Using Fiber-Optic Technology Online fiber-optic and multicell UV-dissolution systems have become increasingly used in the

Wiley Online Library

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Fiber Termination Box: Essential Component in Optical

This comprehensive guide explores what fiber termination boxes are, their key features, applications, and best practices for implementation. What Is a

Protocol development, validation, and troubleshooting of in-situ fiber ...

Abstract Currently, there is no systematic approach available for the validation, quantitative assessment, and troubleshooting for the in-situ fiber optic/bathless dissolution system

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