NEW!

Optional accessory for Tandem and Single μ-Reactors

High Pressure Flow controller; HP-3050FC

MAJOR FEATURES

1) Online High pressure (HP) reaction analysis by innovative pneumatics
   A new flow system permits ideal online monitor and analysis of reaction. Maximum pressure up to 3.5 MPa (500 PSI).

2) Retention times in GC/MS unchanged at any catalysts pressure
   Catalyst reaction products can be monitored online through GC/MS analysis that can be performed at any desired reactor pressure and temperature (within set points).

3) Easily upgradable from Tandem and Single μ-Reactors
   Using this optional, Tandem and Single μ-Reactors can be easily upgraded to HP Tandem μ-Reactor.

4) Analysis of liquid and solid samples
   Liquid samples can be injected using a micro syringe and solid samples can be introduced with the supplied high pressure solid sampler.

Innovative Pneumatics of HP Tandem μ-Reactor System

Retention times stay unchanged at different catalyst pressures

Online monitoring High Pressure Reaction

Catalyst: H-ZSM-5 at 250°C, He: 100 ml/min, Split ratio: 1/100, Ethanol 1uL, FID, UA1-30M-2.0F, 30 (4min)-@20-230°C
All data were obtained in USA.

Speciﬁcation:
• Max pressure: 3.5 MPa
• High pressure solid sampler
• Pressure: Digital display
• Open split interface with restrictors:
  • Flow rate: 10-200 ml/min
  • Pressure: 0.5-3.5 MPa
• Safety: Auto Shut-OFF valves for carrier and reaction gases. (Safety; low and high pressure limiter)
• AC 100/240V, 30 W

User preparation:
• Carrier and Reaction gases
• Pressure regulator;
  (2nd regulator indicates up to 5 MPa)

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