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).

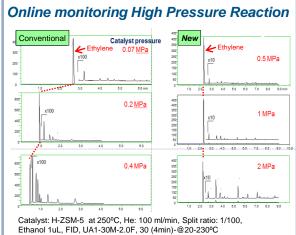
3) Easily upgradable from Tandem and Single **µ-Reactors**

Using this optional, Tandem and Single μ -Reactors can be easily upgraded to HP Tandem µ-Reactor.

4) Analysis of liquid and solid samples

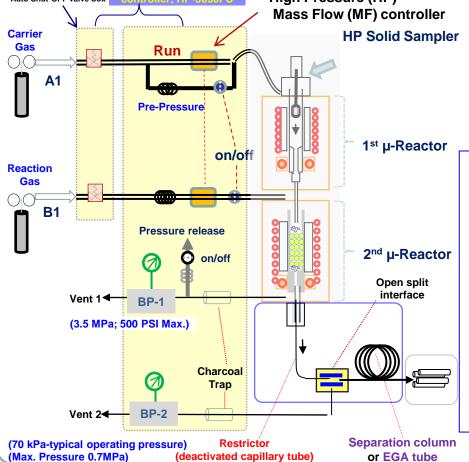
Liquid samples can be injected using a micro syringe and solid samples can be introduced with the supplied high pressure solid sampler.

Retention times stay unchanged at different catalyst pressures



All data were obtained in USA

Innovative Pneumatics of HP Tandem µ-Reactor System **High Pressure (HP)** Auto Shut-OFF valve box Mass Flow (MF) controller





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
- Auto-Shot Sampler and Selective Sampler are not compatible with High-Pressure Flow Controller HP-3050FC.



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