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

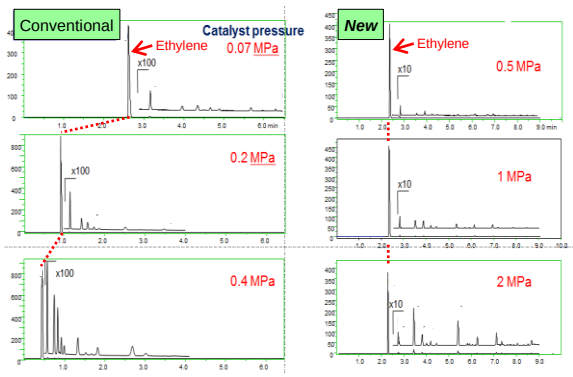
Using this optional, Tandem and Single μ-Reactors can be easily upgraded to HP Tandem μ-Reactor.

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.

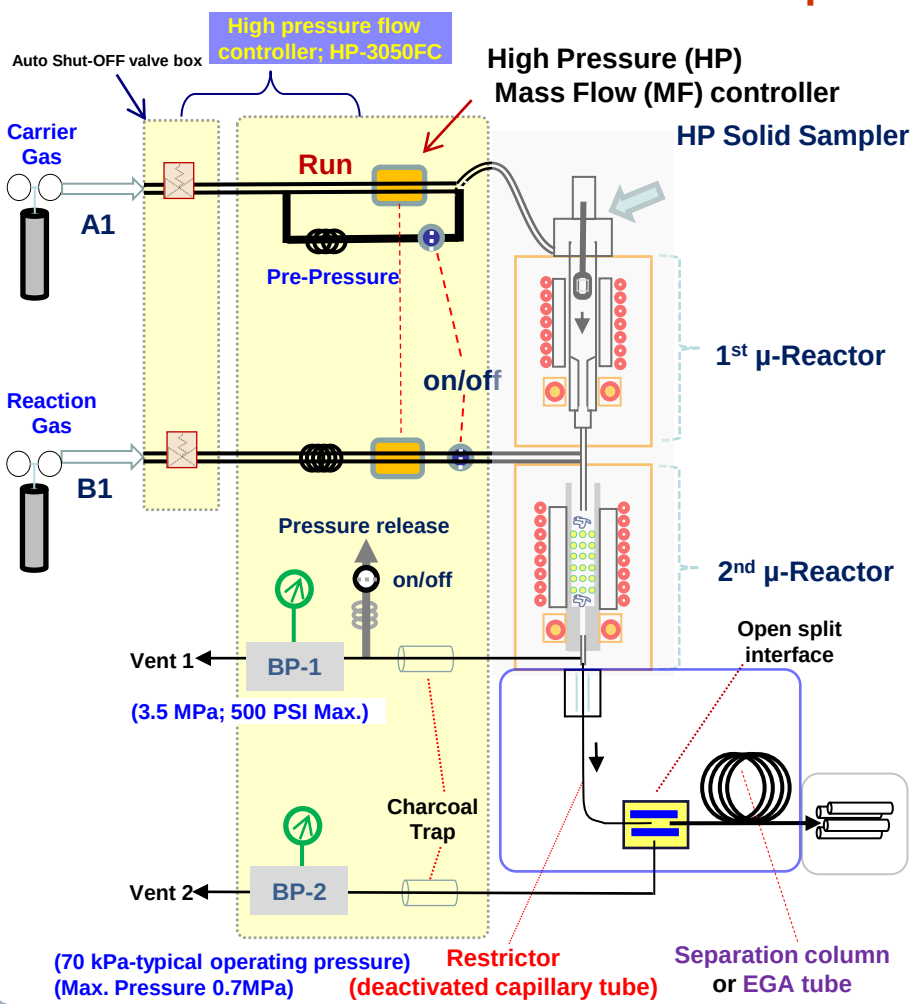
Retention times stay unchanged at different catalyst pressures

Online monitoring High Pressure Reaction



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

Innovative Pneumatics of HP Tandem μ-Reactor System



High pressure flow Controller; HP-3050FC

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)