

Catalyst Cartridge

for Continuous Flow Reaction

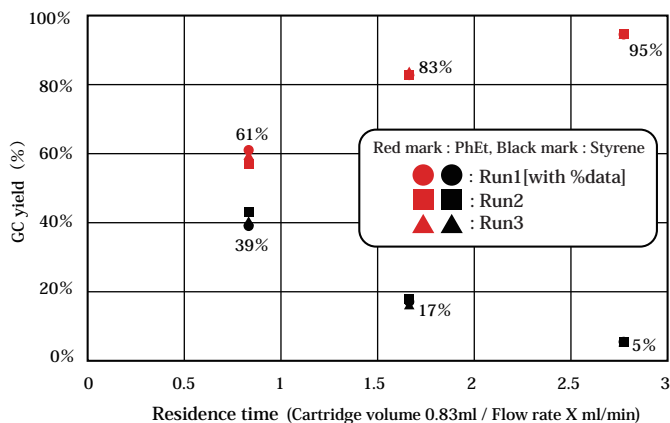
(Catalysts supplier : Kawaken Fine Chemicals Co.,Ltd.)



These catalyst cartridges are designed for continuous flow reaction and are packed with a spherical form catalyst with low pressure loss.

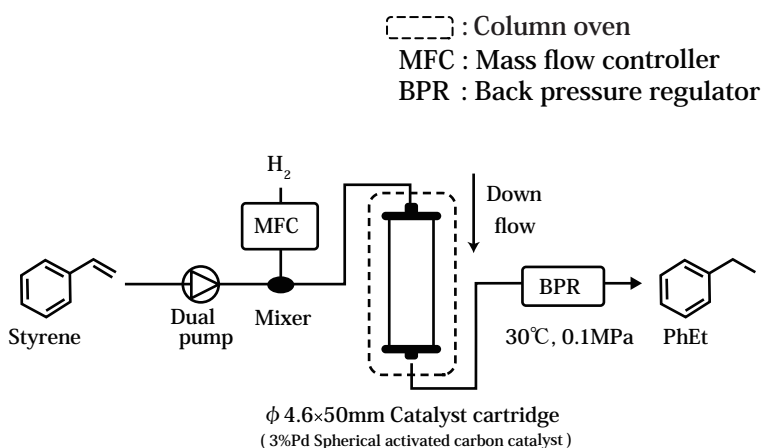
Test results of the catalyst cartridges

■ The results of repeatability for 3%Pd Spherical activated carbon catalyst cartridge.



(Source : Kawaken Fine Chemicals Co.,Ltd.)

■ Scheme of the continuous flow reaction



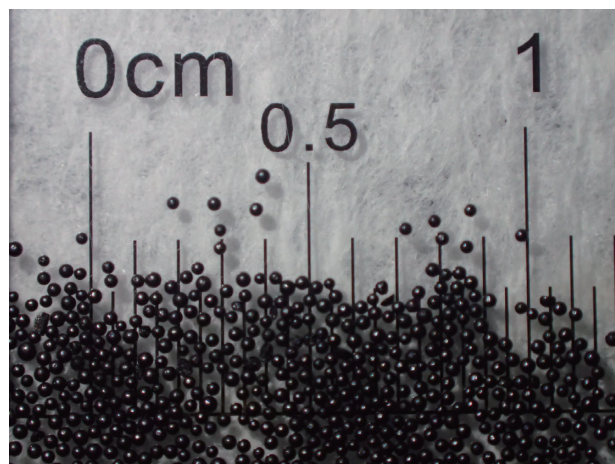
※The test results of repeatability are examples under specific conditions, and cannot be obtained under all conditions.

Spherical activated carbon catalysts

These catalysts are made by supporting precious metals such as palladium and platinum on spherical activated carbon with low pressure loss.

These are ideal for various hydrogenation reactions.

- Metal types : Pd(3%) , Pt(3%) , Rh(2%)
- Bulk density : 0.6 g / mL
- Particle size : ϕ 0.3 mm



Spherical activated carbon catalysts (ϕ 0.3 mm)

(Source : Kawaken Fine Chemicals Co.,Ltd.)

Product List (Catalysts : Kawaken Fine Chemicals Co.,Ltd.)

Products	Product number	Size (Inner diameter \times Length)
3%Pd Spherical activated carbon catalyst cartridge	FC-CC-KF-Pd3-4650	I.D. 4.6mm \times L 50mm
	FC-CC-KF-Pd3-46100	I.D. 4.6mm \times L 100mm
	FC-CC-KF-Pd3-46150	I.D. 4.6mm \times L 150mm
	FC-CC-KF-Pd3-10050	I.D. 10mm \times L 50mm
	FC-CC-KF-Pd3-100100	I.D. 10mm \times L 100mm
	FC-CC-KF-Pd3-100150	I.D. 10mm \times L 150mm
3%Pt Spherical activated carbon catalyst cartridge	FC-CC-KF-Pt3-4650	I.D. 4.6mm \times L 50mm
	FC-CC-KF-Pt3-46100	I.D. 4.6mm \times L 100mm
	FC-CC-KF-Pt3-46150	I.D. 4.6mm \times L 150mm
	FC-CC-KF-Pt3-10050	I.D. 10mm \times L 50mm
	FC-CC-KF-Pt3-100100	I.D. 10mm \times L 100mm
	FC-CC-KF-Pt3-100150	I.D. 10mm \times L 150mm
2%Rh Spherical activated carbon catalyst cartridge	FC-CC-KF-Rh2-4650	I.D. 4.6mm \times L 50mm
	FC-CC-KF-Rh2-46100	I.D. 4.6mm \times L 100mm
	FC-CC-KF-Rh2-46150	I.D. 4.6mm \times L 150mm
	FC-CC-KF-Rh2-10050	I.D. 10mm \times L 50mm
	FC-CC-KF-Rh2-100100	I.D. 10mm \times L 100mm
	FC-CC-KF-Rh2-100150	I.D. 10mm \times L 150mm



DFC Co.,Ltd / Device for Flow Chemistry

Uji Bencha Kigyo Ikusei Kojo Bldg. No2,
1-25 Nishinohata Okubocho, Uji-shi Kyoto 611-0033

MAIL info@dfc-kyoto.co.jp URL <https://dfc-kyoto.co.jp/>

Scientific equipment product development and sales

Field

Flow chemistry
HPLC (liquid chromatography)
Others (scientific equipment etc.)