

JM

Discover advanced flow chemistry catalysts with Cataflo™ kit



Designed to deliver maximum value

At Johnson Matthey (JM), we are at the forefront of heterogeneous catalyst design and production. Our expertise in catalyst supply and identification ensures you receive the ideal catalyst for each continuous process, optimising reaction efficiency and reducing costs. Alongside our comprehensive range of flow chemistry products, we offer custom catalyst design and manufacturing services tailored to your needs—whether on a small or large scale.

Improve your catalyst selection process with Cataflo™ catalyst kit

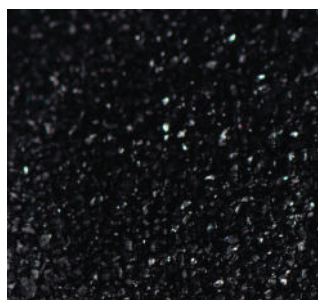
The Cataflo catalyst kit is expertly designed to elevate your flow chemistry processes. It delivers a variety of particle sizes and catalyst types, specifically chosen to match your lab scale reactor and reaction requirements. This ensures optimal performance while minimising attrition and deactivation.

Cataflo catalyst contents

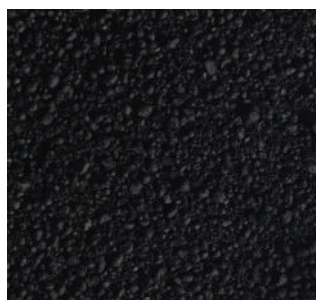
Product number	Description	Catalyst form	Particle size	Reaction type
Cataflo-Pd1	5% Pd/C	granules	500 µm (D50)	hydrogenation, hydrogenolysis
Cataflo-Pd2	5% Pd/C	granules	500 µm (D50)	hydrogenation, hydrogenolysis
Cataflo-Pd3	5% Pd/C	granules	200 µm (D50)	hydrogenation, hydrogenolysis
Cataflo-Pd4	3% Pd/Al ₂ O ₃	spheres	0.8 mm	hydrogenation, hydrogenolysis
Cataflo-Pd5	3% Pd/Al ₂ O ₃	spheres	0.8 mm	hydrogenation, hydrogenolysis
Cataflo-Pd6	3% Pd/Al ₂ O ₃	coarse powder	250 µm (D50)	hydrogenation, hydrogenolysis
Cataflo-Pt1	3% Pt/C	granules	500 µm (D50)	selective hydrogenation, dehydrogenation
Cataflo-Pt2	3% Pt/Al ₂ O ₃	spheres	0.8 mm	selective hydrogenation, dehydrogenation



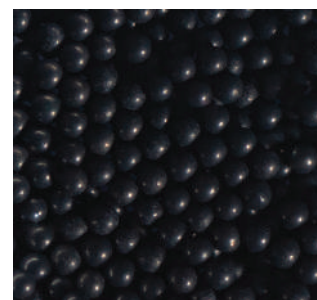
Cataflo-Pd1
Granules



Cataflo-Pd3
Granules



Cataflo-Pd6
Coarse powder



Cataflo-Pt2
Spheres

Tailored catalyst solutions for your unique needs

Work with our proven research teams in the US and UK, who specialise in developing custom platinum group metal catalysts in an iterative, collaborative process to create catalysts that meet your exact specifications.

Customisation options, include:

- **Metals:** Pd, Pt, Ru, Rh (up to 5% depending on the metal)
- **Supports:** Carbon, alumina, silica, zirconia
- **Additives:** Promoters or dopants to fine-tune performance

JM is your one catalyst partner from lab to commercial scale



Manufacturing capabilities: Consistent technology across lab, pilot, and production scales to ensure quality.



Production scale: Flexible production capacities, ranging from 100 kg to multiple metric tons, accommodating your needs as they grow.



Custom support adaptation: We adjust support sizes to align with your reactor size, ensuring optimal performance throughout the scaling process.



Strong supplier partnerships: Our established relationships with multiple support suppliers guarantee reliable and efficient scaling solutions.



For additional information email pharma@matthey.com