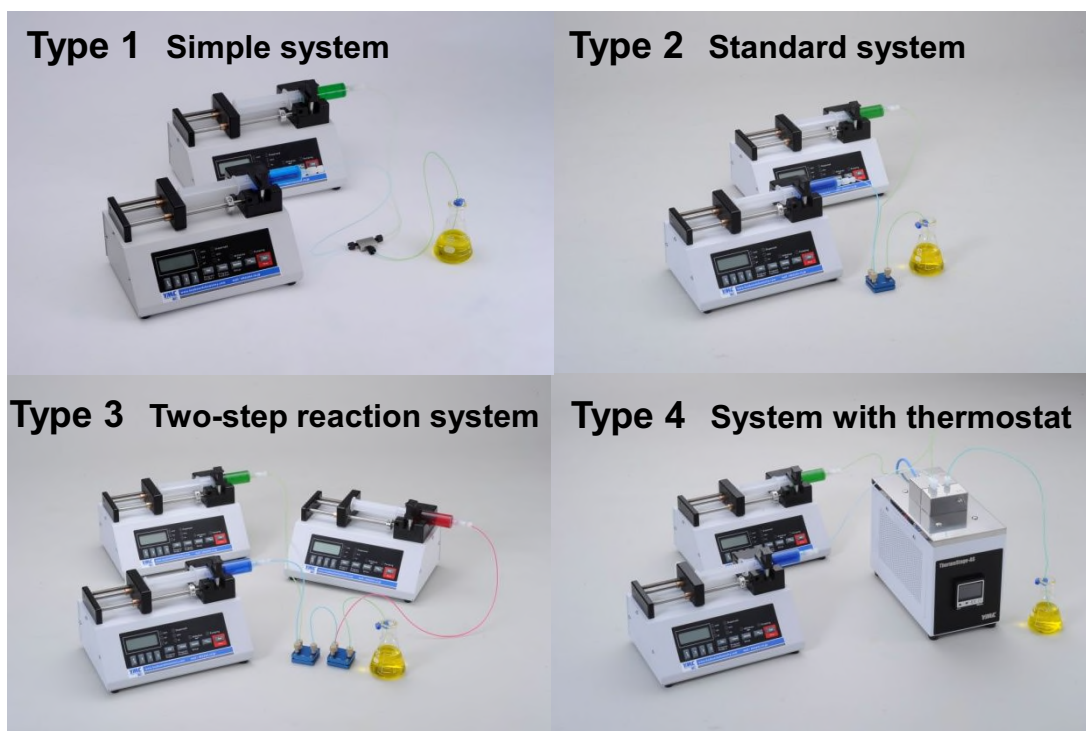


Introductory microreactor kit to get started quickly

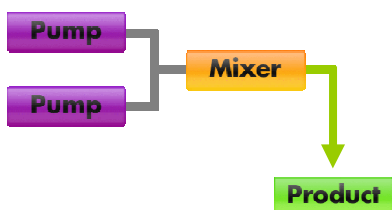
Ideal for those examining introduction of flow reaction. Test several configurations exchanging parts from flexible parts for system configuration.



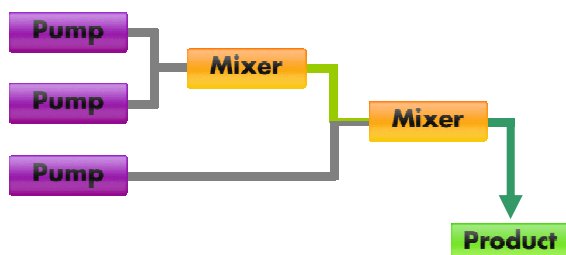
- Type 1: For examining a simple system initially
- Type 2: For examining the power of the micro-mixer
- Type 3: For those wishing to examine a two-stage reaction to understand microflow effects
- Type 4: For those who want simple operation with an oil-free thermostat
- Produce any flexible combination of the four features above

1 Selection of number of reaction stages

Single-stage reaction



Two-stage reaction



Three-stage reaction

⋮

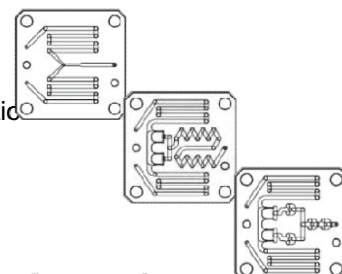
2 Selection of pump

- Syringe pump
- Plunger pump
- Combination of PC



3 Selection of mixer

- **Channel shape**
T-shaped, Y-shaped, Helix, Static
- **Material**
SUS, glass, PTFE, others

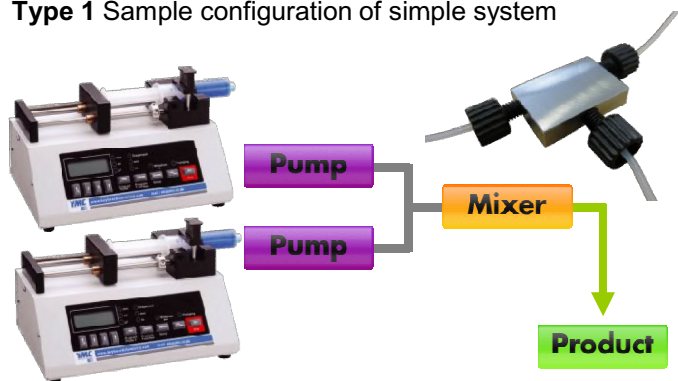


4 Method of temperature control

- Housing
Oil bath or water bath
- Thermostat
Oil-free temperature control

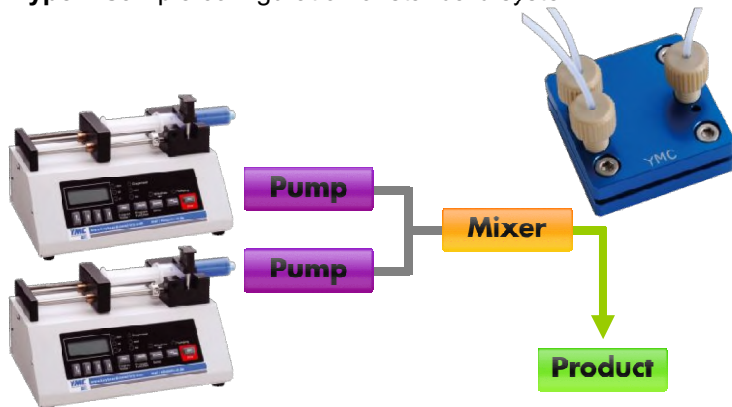


Type 1 Sample configuration of simple system



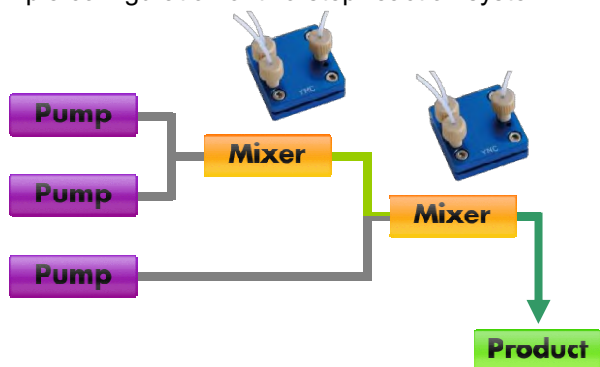
Name of product	Model number	No. pcs.
YSP-101 Syringe pump	YMC-101	2
1/16 in. connector (plastic, 10 pieces)	YMC-P-0006	1
Syringe adapter (female)	YMC-P-0007	2
1/16 in. ferrule (PTFE, GF, 10 pieces)	YMC-P-0012	1
T-shaped SUS reactor (int. diam. 0.3 mm)	YMC-P-0058	1
T-shaped SUS reactor (int. diam. 0.5 mm)	YMC-P-0019	1
T-shaped SUS reactor (int. diam. 1.06 mm)	YMC-P-0020	1
PTFE tube (outer diam. 1/16 in., int. diam. 0.5 mm, length 10 m)	YMC-P-0025	1
EASYFIT10Φ (10 pieces)	YMC-P-0009	1

Type 2 Sample configuration of standard system



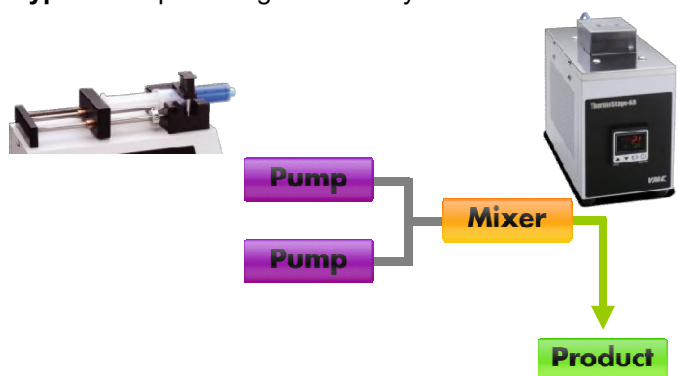
Name of product	Model number	No. pcs.
YSP-101 Syringe pump	YMC-101	2
1/16 in. connector (plastic, 10 pieces)	YMC-P-0006	1
Syringe adapter (female)	YMC-P-0007	2
1/16 in. ferrule (PTFE, GF, 10 pieces)	YMC-P-0012	1
Mixer for KeyChem® Deneb (Helix, SUS)	KC-M-H-SUS	1
Mixer housing for KeyChem®	YMC-P-0030-01	1
PTFE tube (outer diam. 1/16 in., int. diam. 0.5 mm, length 10 m)	YMC-P-0025	1
1/16 in. connector, PEEK, M6HN	YMC-P-0002	3

Type 3 Sample configuration of two-step reaction system



Name of product	Model number	No. pcs.
YSP-101 Syringe pump	YMC-101	3
1/16 in. connector (plastic, 10 pieces)	YMC-P-0006	1
Syringe adapter (female)	YMC-P-0007	3
1/16 in. ferrule (PTFE - GF, 10 pieces)	YMC-P-0012	1
Mixer for KeyChem® Deneb (Helix, SUS)	KC-M-H-SUS	2
Mixer housing for KeyChem®	YMC-P-0030-01	2
PTFE tube (outer diam. 1/16 in., int. diam. 0.5 mm, length 10 m)	YMC-P-0025	1
1/16 in. connector, PEEK, M6HN	YMC-P-0002	6

Type 4 Sample configuration of system with thermostat



Name of product	Model number	No. pcs.
YSP-101 Syringe pump	YMC-101	2
1/16 in. connector (plastic, 10 pieces)	YMC-P-0006	1
Syringe adapter (female)	YMC-P-0007	2
1/16 in. ferrule (PTFE, GF, 10 pieces)	YMC-P-0012	1
Mixer for KeyChem® Deneb (Helix, SUS)	KC-M-H-SUS	1
Independent Thermo Stage (Low temperature mixer)	TS-C-M	1
PTFE tube (outer diam. 1/16 in., int. diam. 0.5 mm, length 10 m)	YMC-P-0025	1
connector for KeyChem®	YMC-P-0005	3