



PLANTRIX[®]
MR555

CHEMTRIX
Scalable Flow Chemistry

Industrial Flow Production



CHEMTRIX BV IS HEADQUARTERED IN THE NETHERLANDS

WITH OUR GLOBAL OFFICES & LABORATORIES
 WE ASSIST OUR CUSTOMERS WITH LOCAL CHEMICAL
 & TECHNICAL SUPPORT

CHEMTRIX
 Scalable Flow Chemistry

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PLANTRIX[®]
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Industrial Flow Production

Plantrix[®] MR555 is a ceramic (Silicon carbide) continuous flow reactor used for material production at the multi-tonne scale. With integrated heat exchangers & SiC material of construction, Plantrix[®] gives optimal control of challenging flow chemistry applications. The compact, modular construction of Plantrix[®] enables;

- Long term flexibility towards different process types
- Access to a range of production volumes (5 to 400 l/h)
- Intensified chemical production where space is limited
- Unrivalled chemical compatibility & thermal control

CERAMIC (SiC) REACTORS

- Diffusion bonded 3M[™] SiC reactors (braze & metal-free)
- Excellent heat & mass transfer
- Superior chemical compatibility
- FDA certified materials of construction
- TÜV certified
- German quality

SPECIFICATIONS

- Reaction types: up to $A + B \rightarrow P1 + C \rightarrow P2 + D \rightarrow P$
- Throughput: 5 to 400 l/h
- Flexible reaction volume: 100 ml to 4 litre
- High operating pressure: up to 25 bar
- Wide temperature range: -30 to 200°C

DIMENSIONS

- 346 (W) x 823 (D) x 1421 mm (H)



CHEMTRIX BV DEVELOPS & PRODUCES
CONTINUOUS FLOW REACTORS & SYSTEMS
FROM LAB TO PRODUCTION

