

Cambridge Reactor Design

Unit D2
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Specifications. Salamander Jacketed Reactor with Capillary Tubing

Part number **13900**
 Commodity Code 8419899585

General

Standard tube material Standard 316 Stainless Steel
 Optional Hastelloy C276 alloy

Assembly Welded construction

Temperature Range °C -80 to 300

Max Working Pressure bar 200

Hydrostatic test pressure bar 30

Nominal Reactor Volume (max) mL 18

Inlet Feed port 1/16" compression 1

Outlet port 1/16" compression 1

Number of sampling port connections 1/16" compression 6

Temperature Sensors Type K

Standard quantity 1

Maximum number 6

Material Standard 316 Stainless Steel

Diameter inches 1/16"

Length mm 50

Support brackets Included 2

Dimensions diameter x length 75mm x 500mm

Weight kg 3

Shell Side

Volume L 1

Port Connection Pipe Fitting 3/8"

Shell bleed pipe 1/4" tube 2

Shell bleed pipe connections Swagelok

Insulation Standard None

Optional Silicone Sponge

Screws (Metric) M5 x 16 5

Support bracket Cradle design

Tube Side

Tube Diameter ID mm 1/16"

Tube Length m 18

Total number of Tubes max 5

Maximum Operating Volume mL 18

Minimum Operating Volume mL 0.1

Options

Multiple inline cartridges

Environment

Packing box dimensions (L x W x H) cm 50 x 50 x 60

Packing box weight kg 15

Connectivity

Hose and Flexible Tubing

Fittings

<http://www.swagelok.com/downloads/webcatalogs/EN/MS-01-180.PDF>

<http://www.swagelok.com/downloads/WebCatalogs/EN/MS-13-151.PDF>