

**Specifications. Salamander Jacketed Reactor with Static Mixers**

Part number **39090**  
Commodity Code 8419899585

General

Standard Material Standard 316 Stainless Steel  
Optional Hastelloy C276 alloy

Assembly Welded construction  
Temperature Range °C -80 to 200  
Max Working Pressure bar 25  
Hydrostatic test pressure bar 30  
Nominal Reactor Volume mL 100  
Inlet Feed port 1/4" compression 1  
Outlet port 1/4" compression 1  
Number of sampling port connections 1/8" compression 9  
Temperature Sensors Type PT100  
Standard quantity 1  
Maximum number 9  
Material Standard 316 Stainless Steel  
Diameter inches 1/8"  
Length mm 50  
Support brackets Included 2  
Dimensions diameter x length 315mm x 500mm  
Weight kg 10

Shell Side

Volume L 2  
Port Connection 1/2" NPT Female 2  
Shell bleed pipe 1/4" tube 2  
Shell bleed pipe connections Swagelok  
Insulation Standard None  
Optional Silicone Sponge

O rings Viton  
ID x Section 12.5 x 1.5 11  
ID x Section 115.0 x 2.0 2

Screws (Metric) M6 x 35 12  
Screws (Metric) to support bracket M6 x 50 4

Tube Side

Tube Diameter ID mm 6  
Tube Length mm 300  
Total number of Tubes 12  
Nominal Volume mL 100  
Minimum Operating Volume mL 8.5  
O rings Standard Viton  
Optional Kalrez  
ID x Section 7.5 x 1.5 11  
ID x Section 14.0 x 2.0 2  
ID x Section 27.5 x 2.0 13

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>