

# 1150 / 1152 / 1640 Design Request Sheet

Blue shaded cells must be filed out

**Step 1 - Application Information – Fill out necessary information**

Source material		Source temperature °C	
Maximum flow rate		Maximum process pressure	

**Step 2- Material Properties – For new materials only**

Molecular mass, g/mol		Source material decomposition temperature, °C	
Source material compatible with			
Vapor pressure and gas viscosity information, if available:			
Temperature, °C	Vapor pressure, torr	Gas viscosity, μpoise	

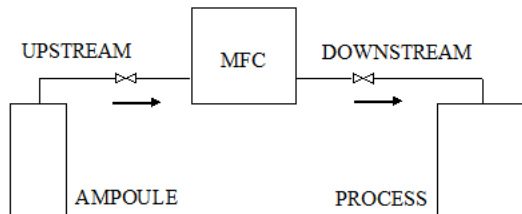
**Step 3 - Plumbing Details – It is important to be as complete as possible**

Plumbing type	Upstream of MFC	Downstream of MFC
Tubing length		
Tubing diameter		
Elbows (size & quantity)		
Valves (size & quantity)		

**Recommended tubing diameter:**

1150 and 1152: 1/2" (12 mm) OD minimum recommended

1640: 1/4" (6 mm) OD minimum recommended



**Step 4- Please send completed request to:**

[Mark\\_Townsend@mksinst.com](mailto:Mark_Townsend@mksinst.com) and/or [Bill\\_Corkum@mksinst.com](mailto:Bill_Corkum@mksinst.com)

**Step 5 - To Be Filled Out by MKS Applications Engineering**

Model request number		MKS product model number	
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