

Quench Line Acceptance Protocol			
Complete checklist for acceptance of the quench line installation Printed copies of the "Acceptance" sheet, "Calculator" sheet, "Escalated Acceptance" sheet and "Outlet photographs" must be kept in the "System Owner Manual".			
A copy of the Information must be sent to H IM MR QM RMPM matthias.dietrich@siemens.com			
Customer-related information			
Hospital / Clinic	CHIC CORNOUAILLE		
City:	QUIMPER		
Region / State:			
Country:	France		
System-related information			
System type:	SKYRA		
System serial No:	45887		
Installation date:	24/04/2015		
Quench Line manufacturer:	SANITHERN		
Calculation Result			
Pressure drop calculation		PASSED	
Total pressure drop on Quench Line	75,0	mbar	
Inlet flange force	136,9	N	
Outlet force	161,7	N	
Maximum Quench Line diameter	254,0	mm	
Total Quench Line length	18,8	m	
Checklist - Static and Mobile (Transportable) system	Static	<input checked="" type="checkbox"/>	Mobile <input type="checkbox"/>
Checklist			
If more than one system is connected to the same quench line, complete the "Escalated acceptance" sheet and send all details to SMT R&D			
1	Quench line outlet is external to the building.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
2	Quench tube material as specified (Stainless Steel or Aluminium).	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
3	Quench tube connections are welded or bolted. (Stainless steel screws used).	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
4	Quench tube wall thickness correct for material used.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
5	Expansion bellows fitted.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
6	Acoustic decoupler fitted.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
7	Acoustic_Decoupler alignment within +/- 20 mm.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
8	Galvanic_Isolation bushes fitted to acoustic decoupler flange.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
9	Outlet protected from rain and snow ingress.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
10	Quench Line exit surface area is 2.5 times the last quench tube surface area	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
11	Outlet mesh size (10 mm +/- 1 mm).	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
12	Electrical isolation at waveguide OUTSIDE the cabin	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

13	Electrical isolation at waveguide INSIDE the cabin	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
14	Warning label or tape fixed along the length of the Quench line	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
15	Thermal insulation of acoustic decoupler and Quench line.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
16	Quench line outlet is minimum of 5 meters above ground level.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
17	Quench line outlet has fenced area below / in front for protection of direct gas flow.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
18	Quench Line outlet is located horizontally 3 meters away from window, door or other openings to the building.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
19	Quench Line outlet is located vertically 6 meters away from window, door or other openings to the building.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
20	Opening windows and doors within defined area are permanently locked.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
21	Warning sign fitted adjacent to the quench line outlet.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
22	Quench line fully supported over it's length (so that no load is applied to the magnet turret components).	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
23	Drain screw REMOVED from quench valve STATIC systems.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
24	Photographs of quench line and outlet location provided (Tab 4)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Additional Mobile information			
1	Plenum outlet box fitted.	Yes <input type="checkbox"/>	No <input type="checkbox"/>
2	Drain screw FITTED in quench valve MOBILE systems.	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Quench Line Manufacturer - Install completed and complies with Quench line design			
Print name	Signature	Date	
A. Neunier	9 rue Alfred Le Bars - 29000 Quimper Tél 02 98 52 25 62	12/03/2015	
Project Manager - Quench Line installation is completion			
Print name	Signature	Date	
D BOYERE		11/03/2015	

SMT-QLC.891.02 EMU 000 06
Replaces:SMT-QLC.891.02 EMU 000 05

Quench line Outlet and Installation Photographs

Provide photographs of the installed quench line with (Size 1 - 2 MB .jpeg).

The photographs required are:-

- 1) Close up of the outlet showing the mesh type and size fitted.
- 2) Outlet position in relation to the wall or roof top location.
- 3) Outlet position in relation to the building and surrounding area.
- 4) Accoustic decoupler and connection to quench line. (Before insulation is fitted).

NOTE: - Additional photographs required to show details of difficult quench line installs and escalated sites.

Revision Control Sheet				
Revision	Tab / Page affected	Revision Date	Control Reference	Comments
00	ALL	21.01.08	516005	
01	Calculator sheet	27.05.08	520605	
02	Added Esc. Acc. Page	22.07.08	522734	
03	Update Calculator	21.10.2009	537067	
04	Page 3 - 8	28.07.2010	550381	Project Manager - note ref QL installation is complete (Acceptance sheets)
05	All Tabs	04.10.2011	551888	ALL - Locked and password protected spreadsheets
06	All Tabs	12.11.2013	595360	New Tab (4) Outlet photographs Updated Checklist and Acceptance Tabs Removed duplications Add Check box to checklists Calculator Tab changed to base settings