

AIR SEPARATION PLANTS PERFORMANCE TEST PROCEDURE

REV.	DATA	DESCRIZIONE	COMPILATO	APPROVATO
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1. GENERAL

This specification defines the procedure applicable for the performance test of air separation plants.

2. PERFORMANCE TEST PROCEDURE

After the plant is started up and the full capacity operation has been reached, a performance test will be carried out in order to demonstrate that the performance parameters per contract are fulfilled.

The site SIAD MI personnel will decide when start performance test and will inform the client one day in advance.

② The performance of the plant will be demonstrated with the proper guarantee performance test run. Such performance test run shall be carried out in 24 hours continuous operation.

Product capacities and purity are guaranteed at the contractual battery limits. Gas capacities will be measured by means of calibrated orifices calculated according to Italian Rules; the liquid production capacity will be measured as a level increasing in the liquid storage tanks between the start and the end of performance test. In case the battery limits are at the cold-box flanges the transfer line and tank losses shall be added to the tank liquid level increasing.

The capacities are measured in Nm^3/h at 0°C at 1.013 bar abs dry.

The purities will be measured by the plant installed analyzers and correctly calibrated before the beginning of performance test.

If the performance test is disrupted through no fault of the SIAD MI, the plant shall be re-started at earliest convenience and the performance test shall be continued from the point of disruption.

In case of successful and positive performance the client must accept the plant.