

Gas DTL Line system for ESS nBLM (GDTL)

The diagram illustrates the instrumentation schema for the Gas DTL line system (GDTL) for ESS nBLM. It shows a series of five identical units connected between "From gas distribution" and "To gas distribution".

Each unit consists of two parallel paths, each containing a "Slow" valve and a "Fast" valve. These valves are controlled by "H.V." (Hand Valve) and "E.V." (Electro Valve) signals.

Below the main schematic, three alternative configurations are shown:

- System without shunt
- System with shunt, fast connector and hand valve
- System with shunt, fast connector and only 1 hand valve

Legend:

- >> Fast connector
- Pressure overpressure valve
- Hand valve
- Control valve
- Electro valve
- Gas in
- Input DTL line
- Output DTL line
- Detectors
- Gas out
- PT Measuring pressure
- Manometer
- FT Flow measurement
- Gas distributor

Instrumentation schema for gas DTL line system (GDTL)			
ESS nBLM	V02	Edition 09/05/2017	Dessiné par Q.Bertrand

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ESS	nBLM
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» Fast connector

 Pressure overpressure valve

 Hand valve

 Control valve

 Electro valve

PT Measuring pressure



Manometer

FT Flow measurement

☐ Gas distributor