

## 080M1601 / THE MACHINE

PReSTI Plateform for Research and experiment on Science and Technology for Irrigation

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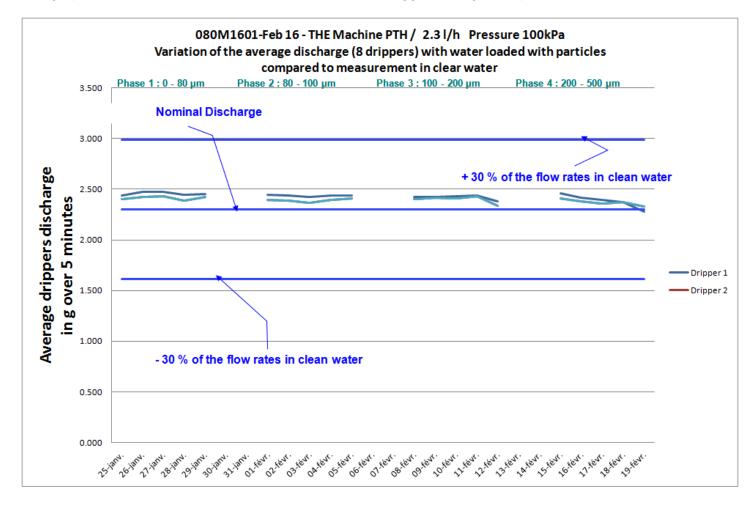
Date: 05/08/2016

Manufacturer's data

Designation: PTHNominal flow rate: 2.3 l/hAverage discharge measured (on 8 drippers): 2.39 l/h for serie 1 and 2.43 l/h for serie 2

## SENSITIVITY TO PHYSICAL CLOGGING

The graphic hereafter shows that the 8 emitters are not clogged during the 4 phases of the test.



The classification of this emitter is **Non sensitive** to clogging. Consequently a **130 microns** filtration should protect the drippers against physical clogging following the classification proposed by Irstea (according to the tests results with strictly mineral particles).

Montpellier, 05/08/2016 F.Liron B. Molle



For information, the detailed measurements

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## 080M1601-Feb 16 - THE Machine PTH / 2.3 l/h Pressure 100kPa Variation of the discharge (serie 1) with water loaded with particles compared to measurement in clear water Phase 2 : 80 - 100 µm Phase 3 : 100 - 200 µm Phase 1 : 0 - 80 µm Phase 4 : 200 - 500 µm 3.5 Nominal Discharge 3 Average drippers discharge + 30 % of the flow rates in clean water 2.5 in g over 5 minutes Dripper 1 Dripper 2 2 Dripper 3 Dripper 4 1.5 Dripper 5 Dripper 6 Dripper 7 Flow rates measured in clean water 1 Dripper 8 - 30 % of the flow rates in clean water 0.5 0 25-janv

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