

062M1704 / SOAPLAST

Date: 08/06/2017

Manufacturer's data

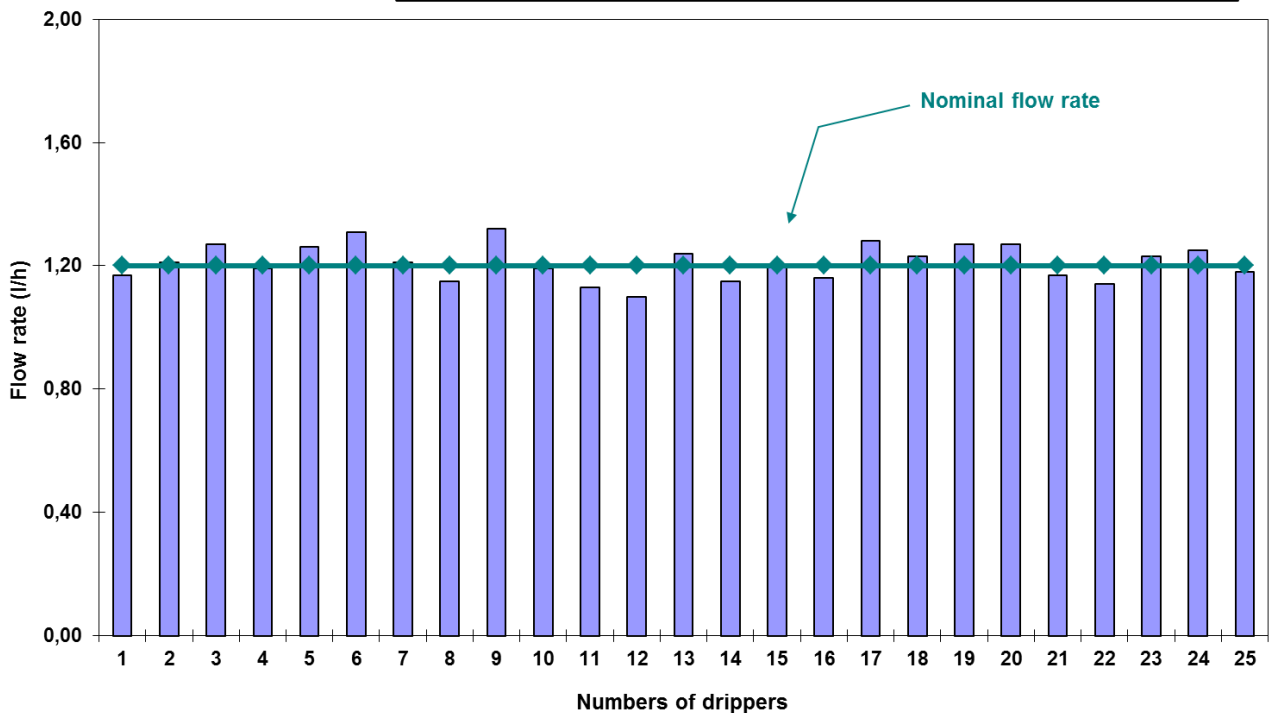
Type : Inline NPC
 Nominal flow rate : 1.2 l/h

Model: /
 Nominal operating pressure: 70 kPa

UNIFORMITY OF FLOW RATE

	Test 1
Number of Specimens	25
Working pressure (Bar)	0.68
Water temperature (°C)	22.5
CV: Coefficient of variation ^(*) (%)	4.82
Classifications following Irstea's protocol	Excellent
Mean flow rate (l/h)	1.21
Deviation of the mean flow rate from the nominal flow rate (%)	0.93
Classifications following Irstea's protocol	Excellent

062M1704.100 Manufacturing Uniformity / SOAPLAST / INLINE NPC // Pressure of the test 0.68 Bar

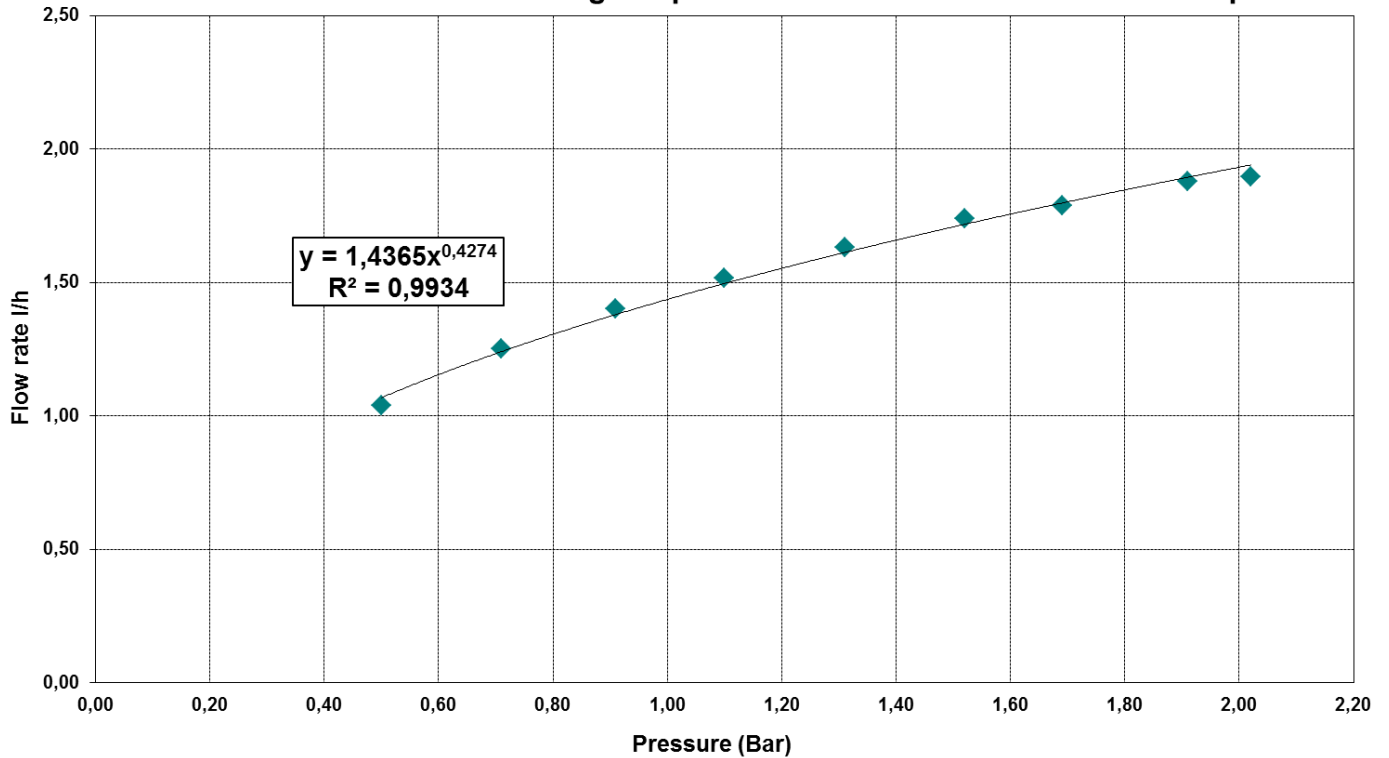


^(*) Shall not exceed 7 % ISO 9261/2004
^(**) Shall not exceed ± 7 % ISO 9261/2004

FLOW RATE VERSUS PRESSURE RELATIONSHIP

The value of the pressure's exponent is **0.4274**, this value is between **0 and 0.5** the emitters are considered **very tolerant** to pressure variations (classifications following Irstea's classification)**.*.

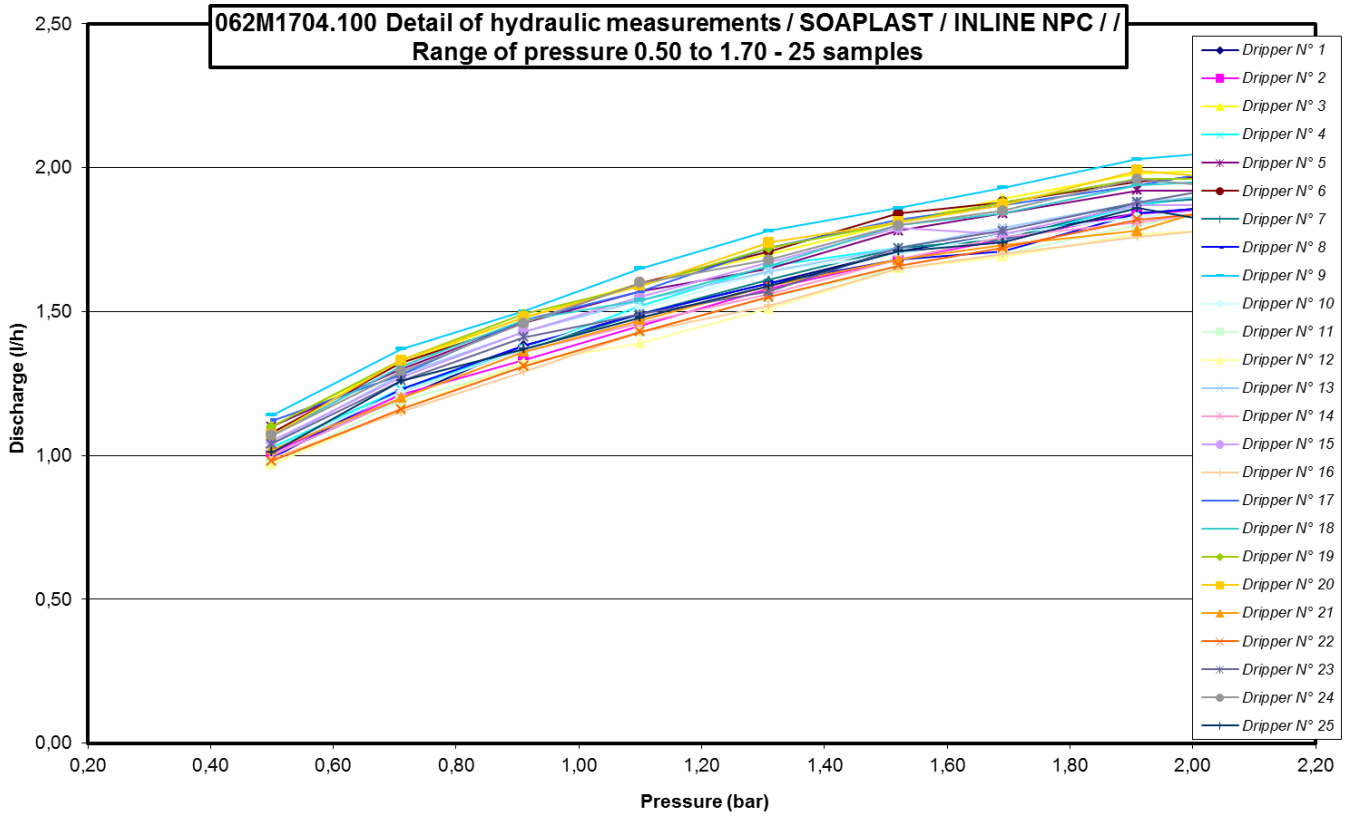
062M1704.100 FlowRate relationship / SOAPLAST / INLINE NPC //
Range of pressure 0.50 to 1.70 bar* on 25 samples**



Montpellier, 08/06/2017

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Informative annex 1: detail of the hydraulic measurement on each emitter



Comment: Hydraulic results are both excellent for manufacturing uniformity and Deviation of the mean flow rate from the nominal flow rate. As presented on the graph above we can see that each dripper has the same behavior with pressure increase indicating an excellent manufacturing uniformity. Moreover the flow of each dripper remains close from one to the other at each tested pressure showing a high tolerance to pressure variations.