

Round Table:

"Learning from farmer's practices: from smallholders to large commercial irrigated farms"

***Smallholder irrigation performance in
the semiarid Brazilian North East.
The Baixo Acaraú Irrigation District.***

Luciano Mateos

José A. Frizzone

Alexsandro C.S. Almeida

Silvio C.R.V. Lima

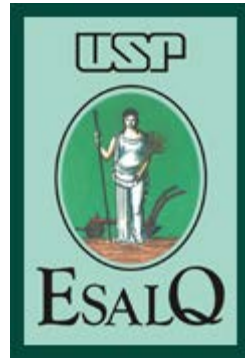


Brazilian Program

Science without Borders

Project:

“Bases Científicas do Assessoramento na Melhoria da Irrigação”



Field Team

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Paula

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BAIXO AÇARAU

M5

BAIXO AÇARAU

M2

BAIXO AÇARAU

M3

BAIXO AÇARAU

M4

BAIXO AÇARAU

M1

GOVERNO DO ESTADO DO CEARÁ
SECRETARIA DE INFRAESTRUTURA E OBRAS

PONTE PORTICO

ROLA 25

CÂMARA 2
1ª ETAPA

CÂMARA 3
1ª ETAPA

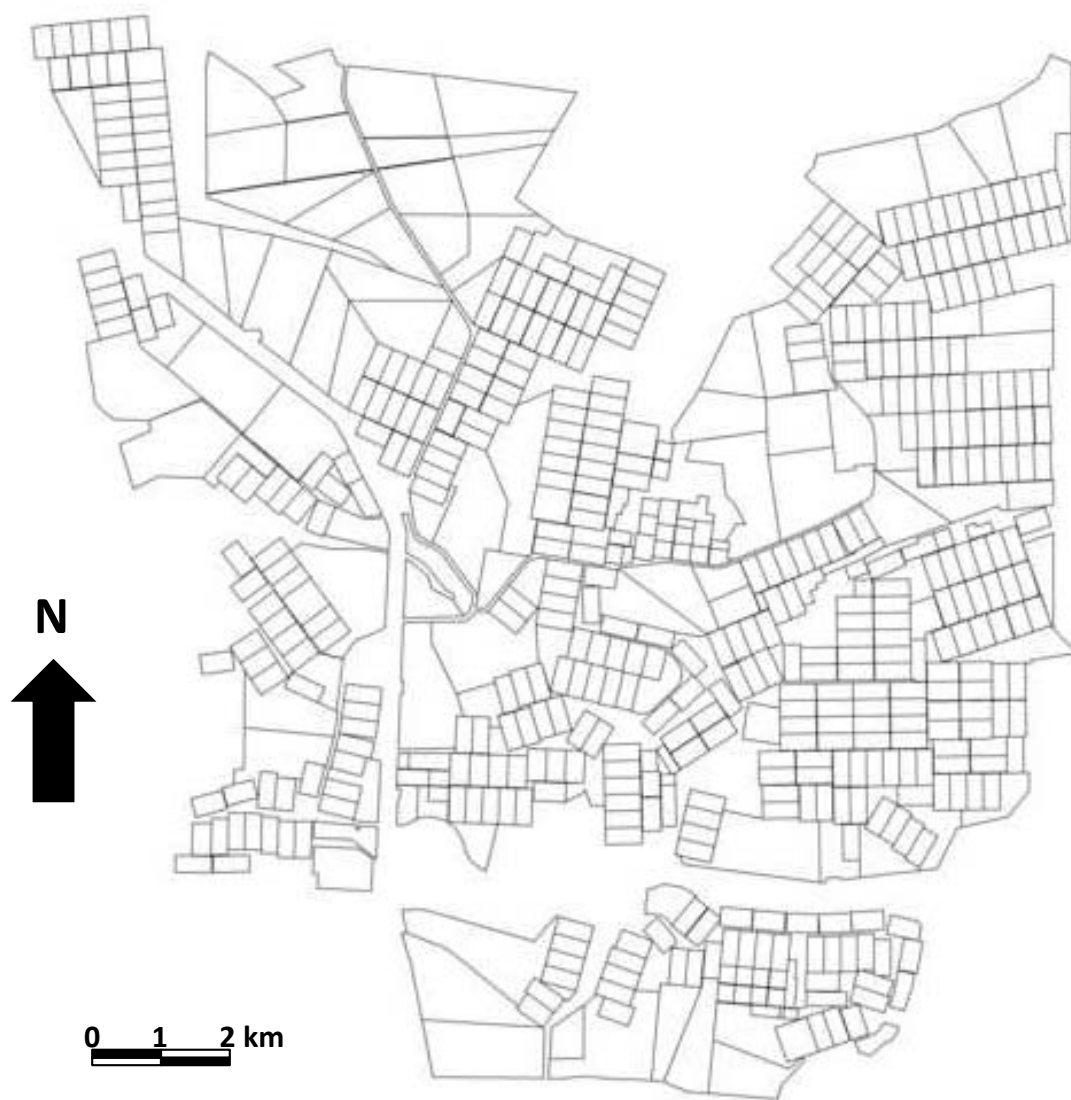
CÂMARA 4
1ª ETAPA

CÂMARA 5
1ª ETAPA





- 8,335 ha irrigable area
- 501 farm lots
 - 355 small (8 ha)
 - medium (16-18 ha)
 - large (80-200 ha)
- Micro-irrigation
- Managed by a WUA



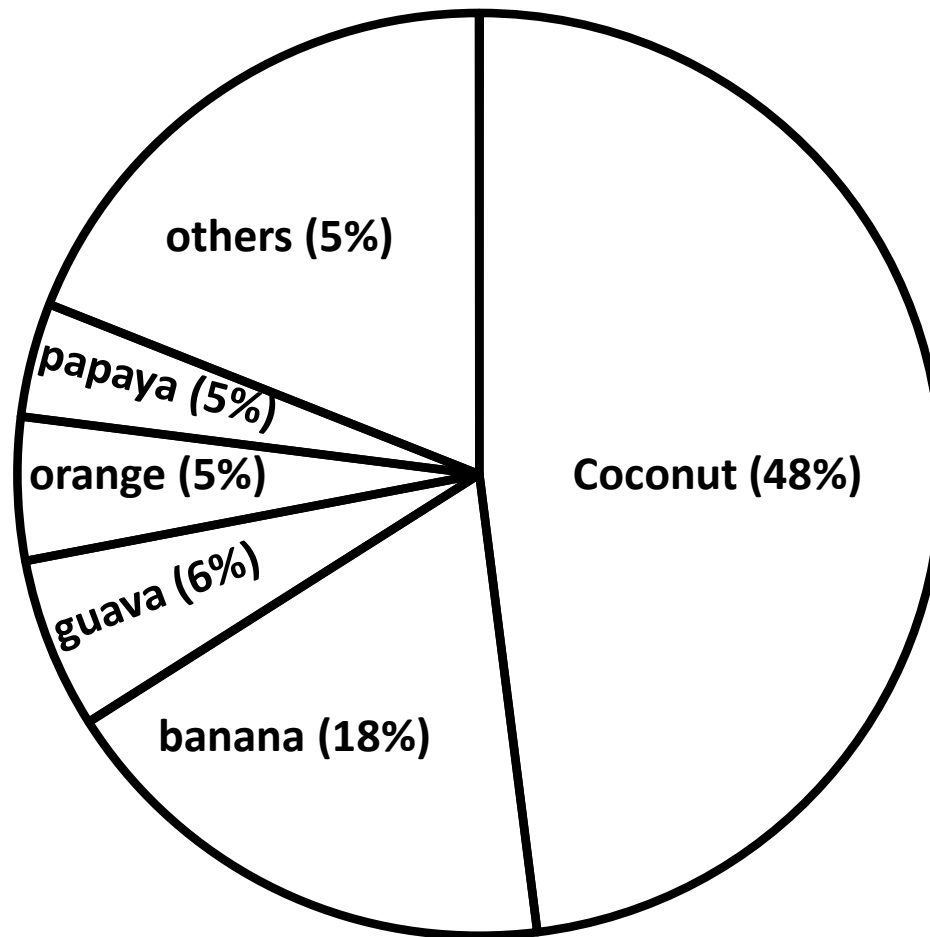




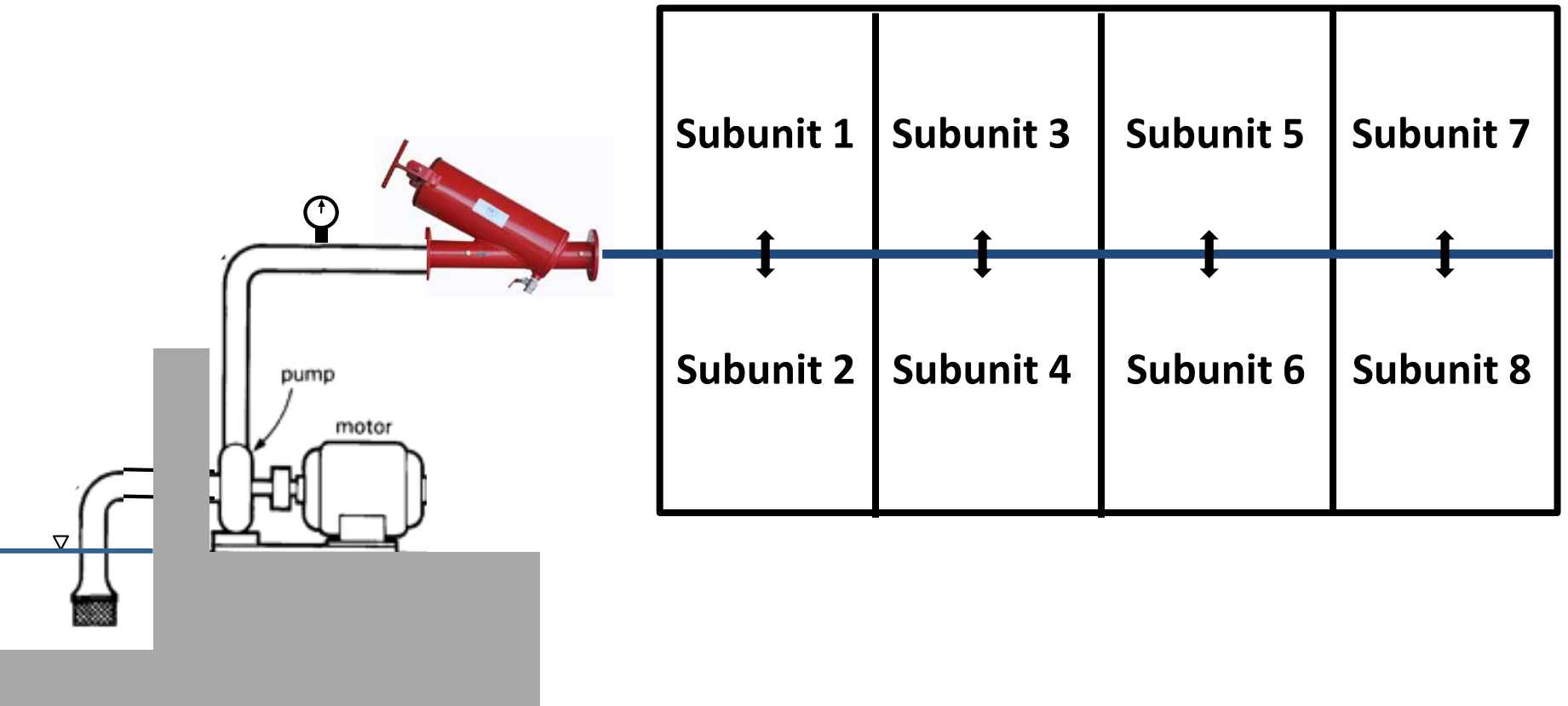


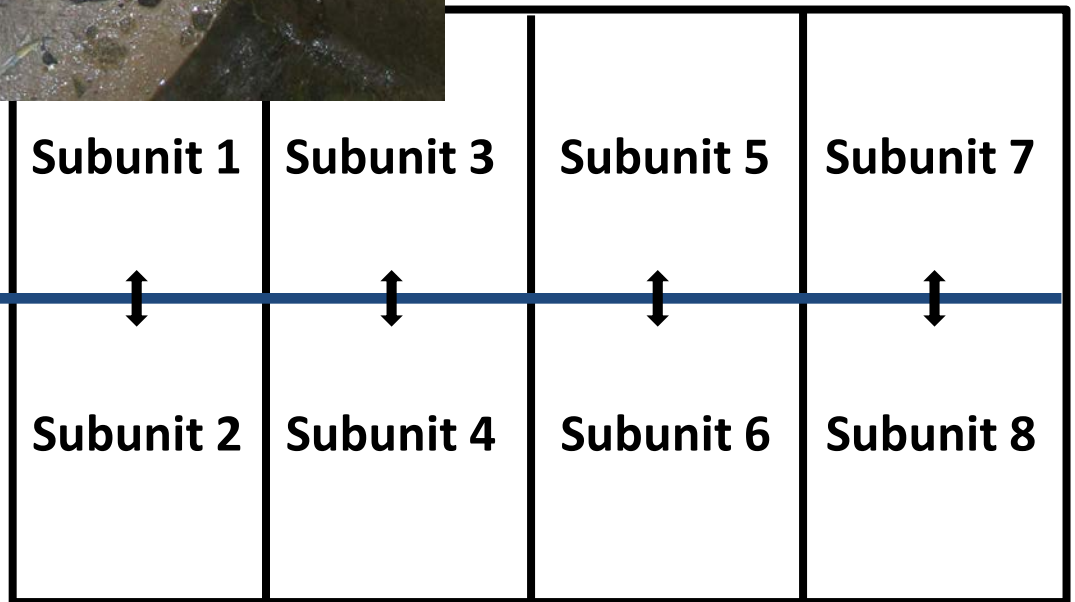
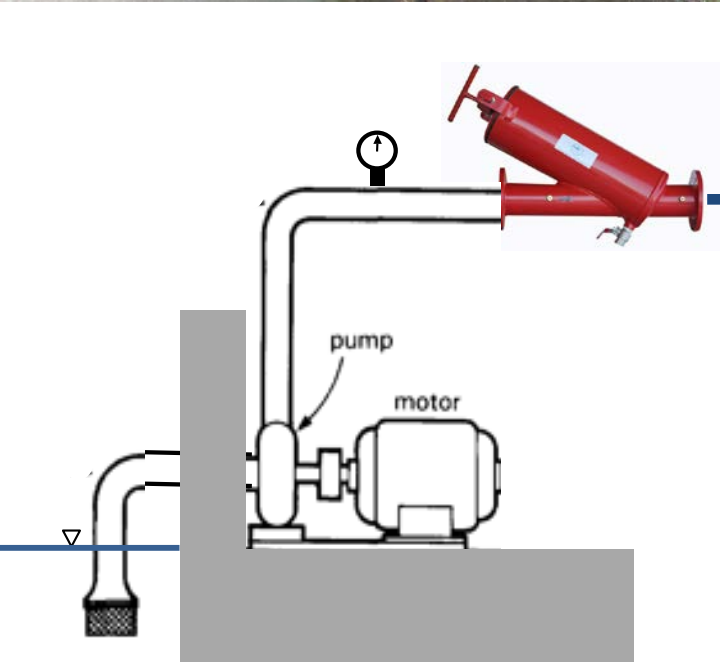


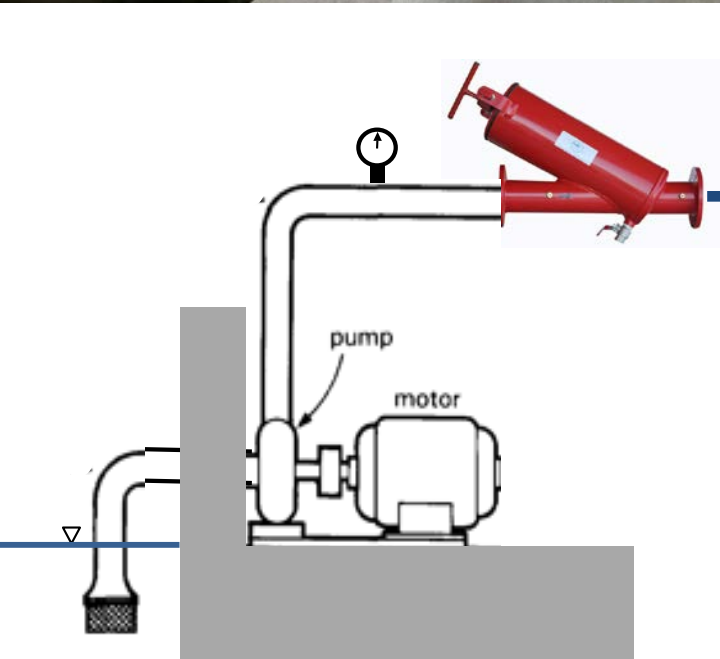




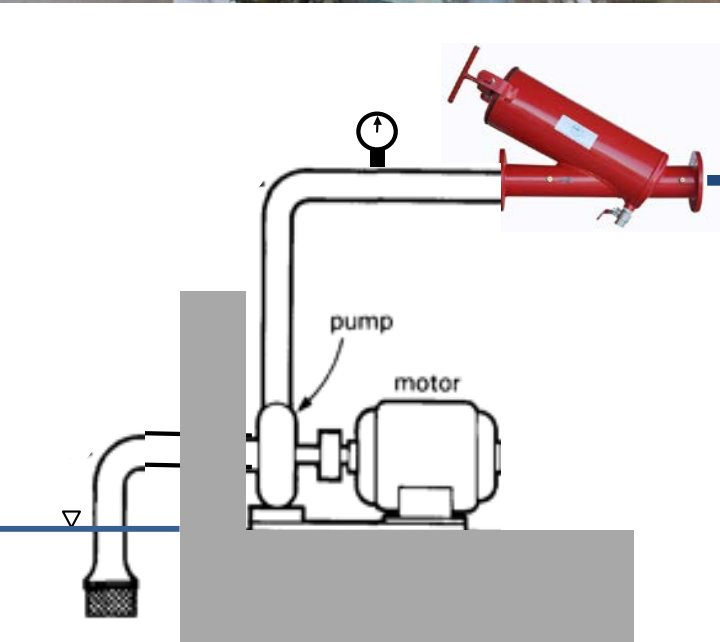




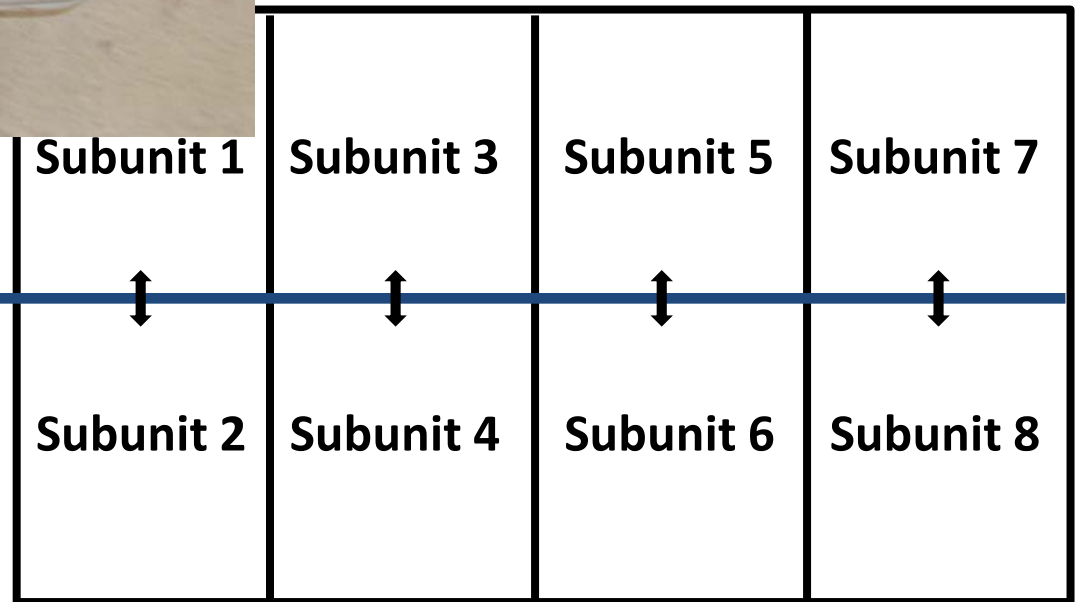
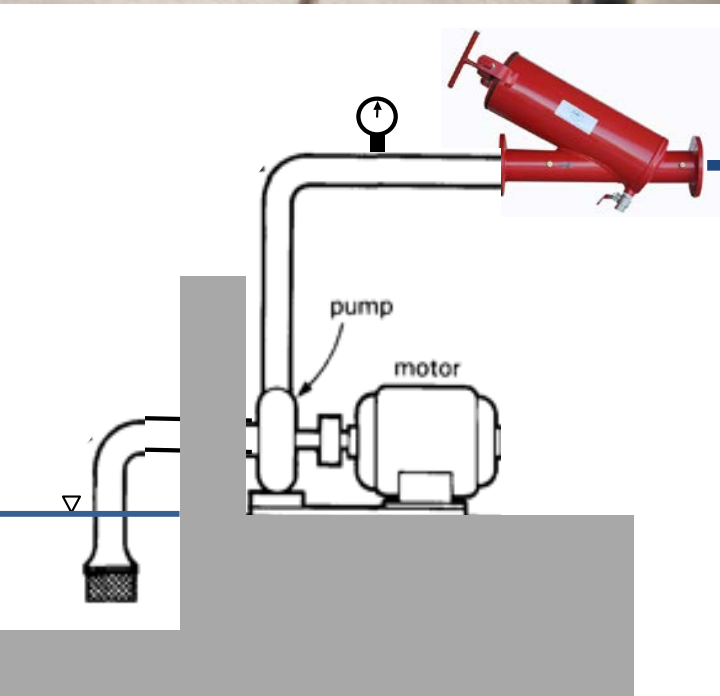


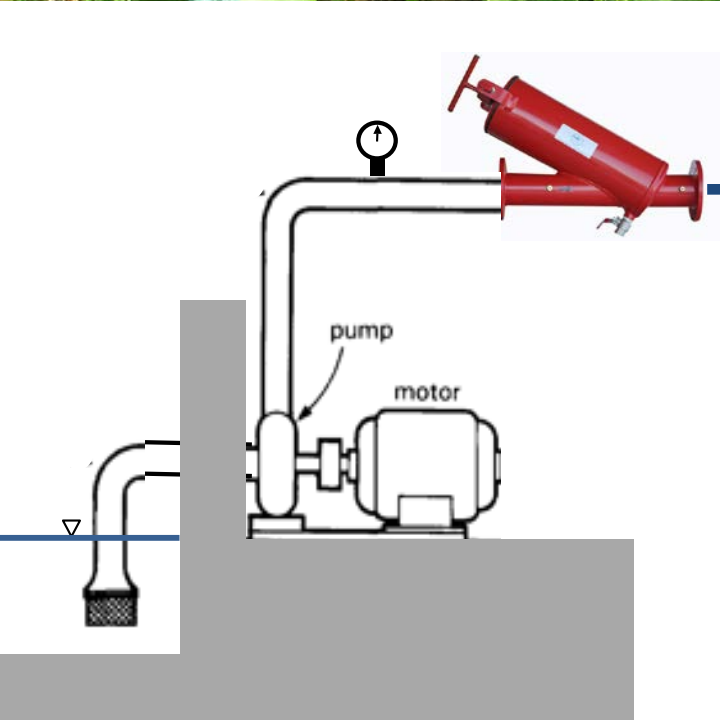


Subunit 1	Subunit 3	Subunit 5	Subunit 7
↕	↕	↕	↕
Subunit 2	Subunit 4	Subunit 6	Subunit 8

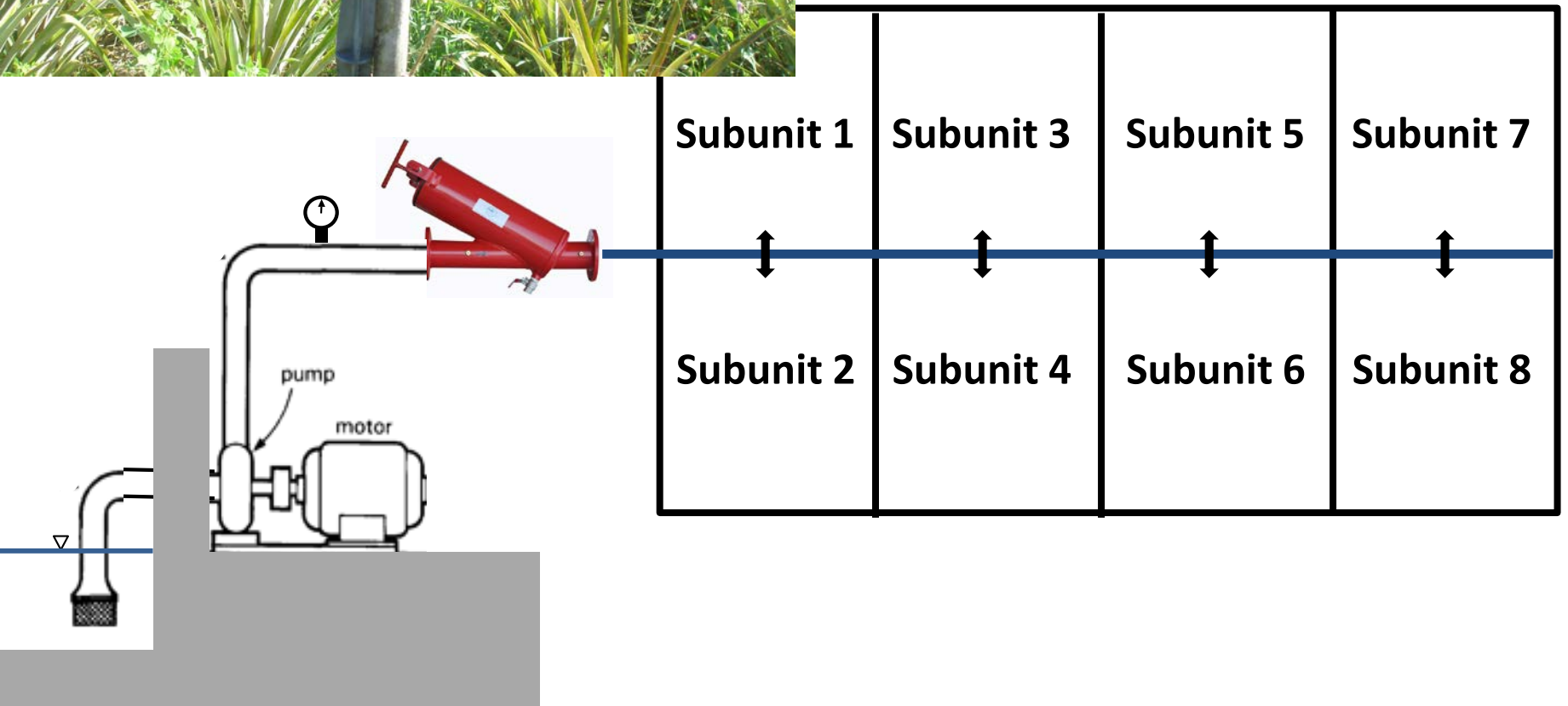


Subunit 1	Subunit 3	Subunit 5	Subunit 7
↕	↕	↕	↕
Subunit 2	Subunit 4	Subunit 6	Subunit 8





Subunit 1	Subunit 3	Subunit 5	Subunit 7
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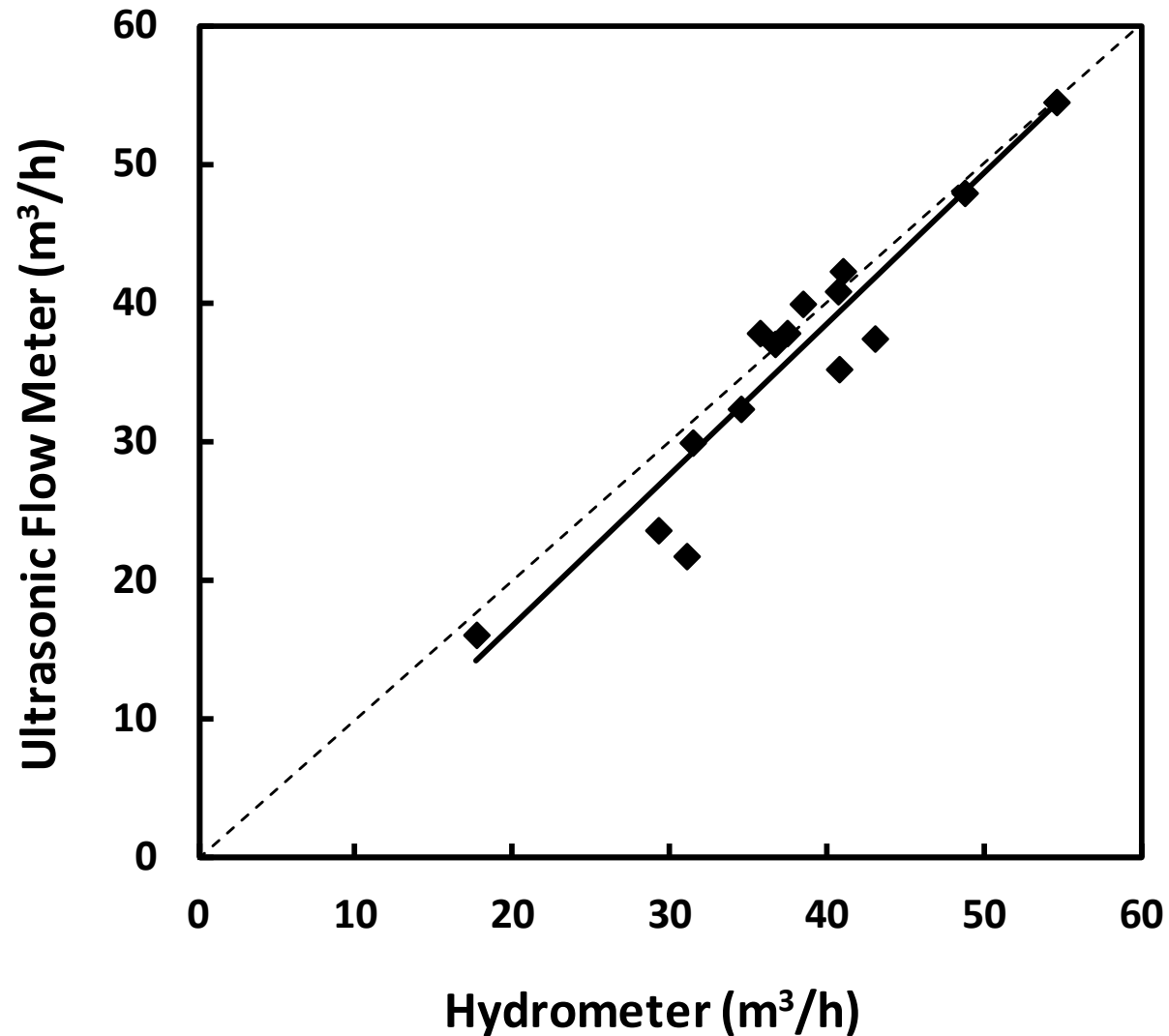
Sample:
- 40 family lots
- ? %





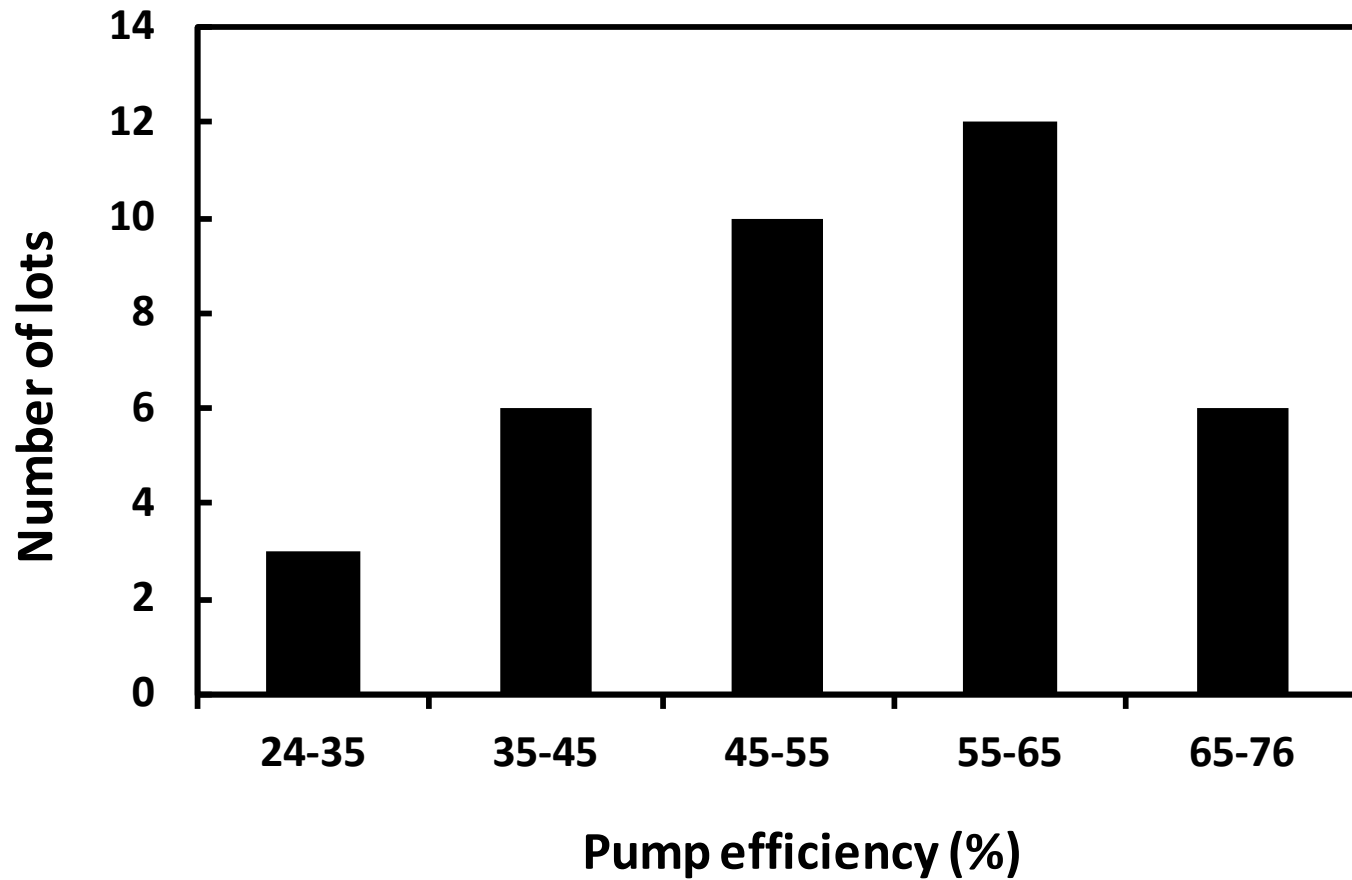


Hydrometer performance



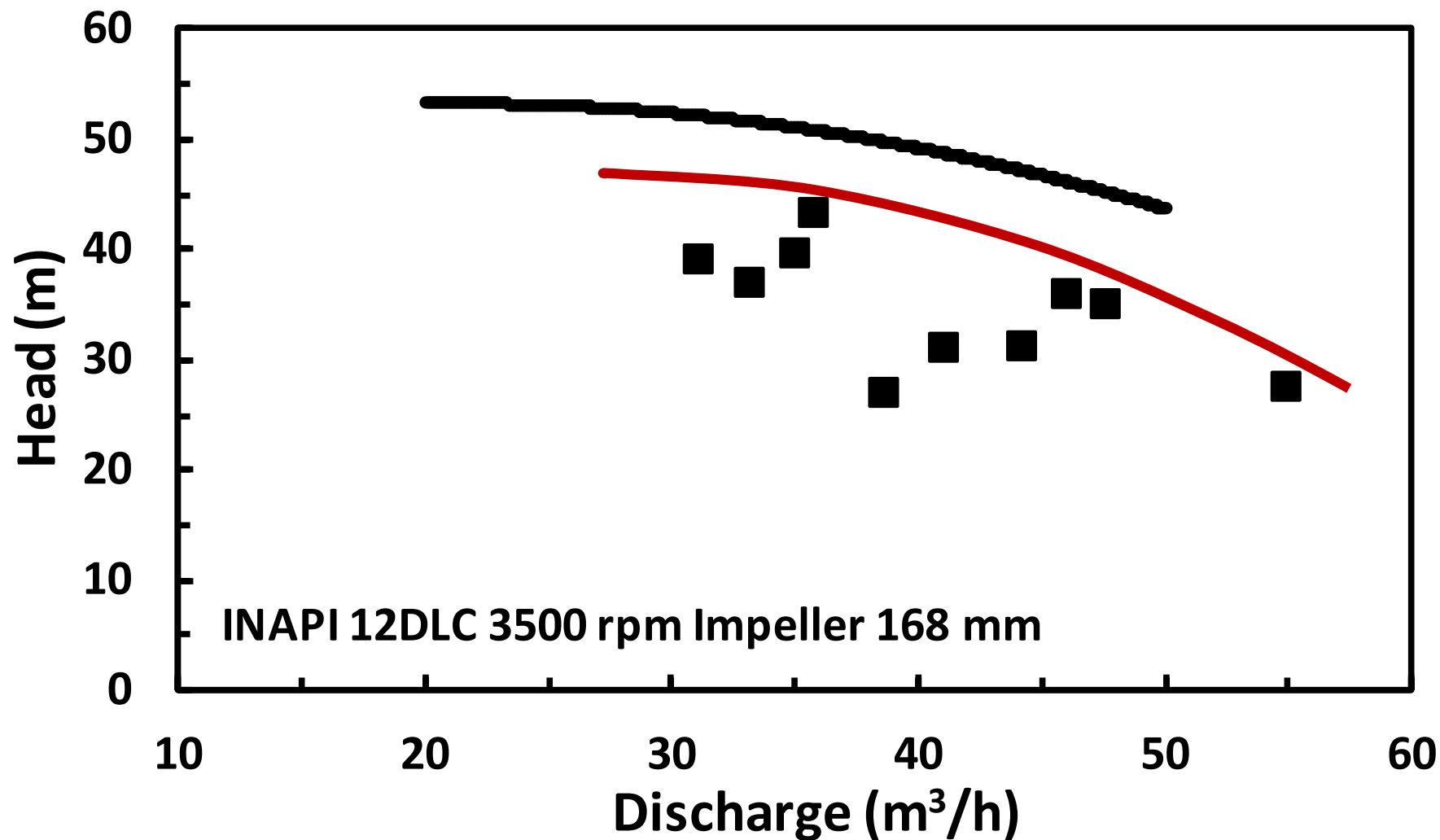


Pump performance

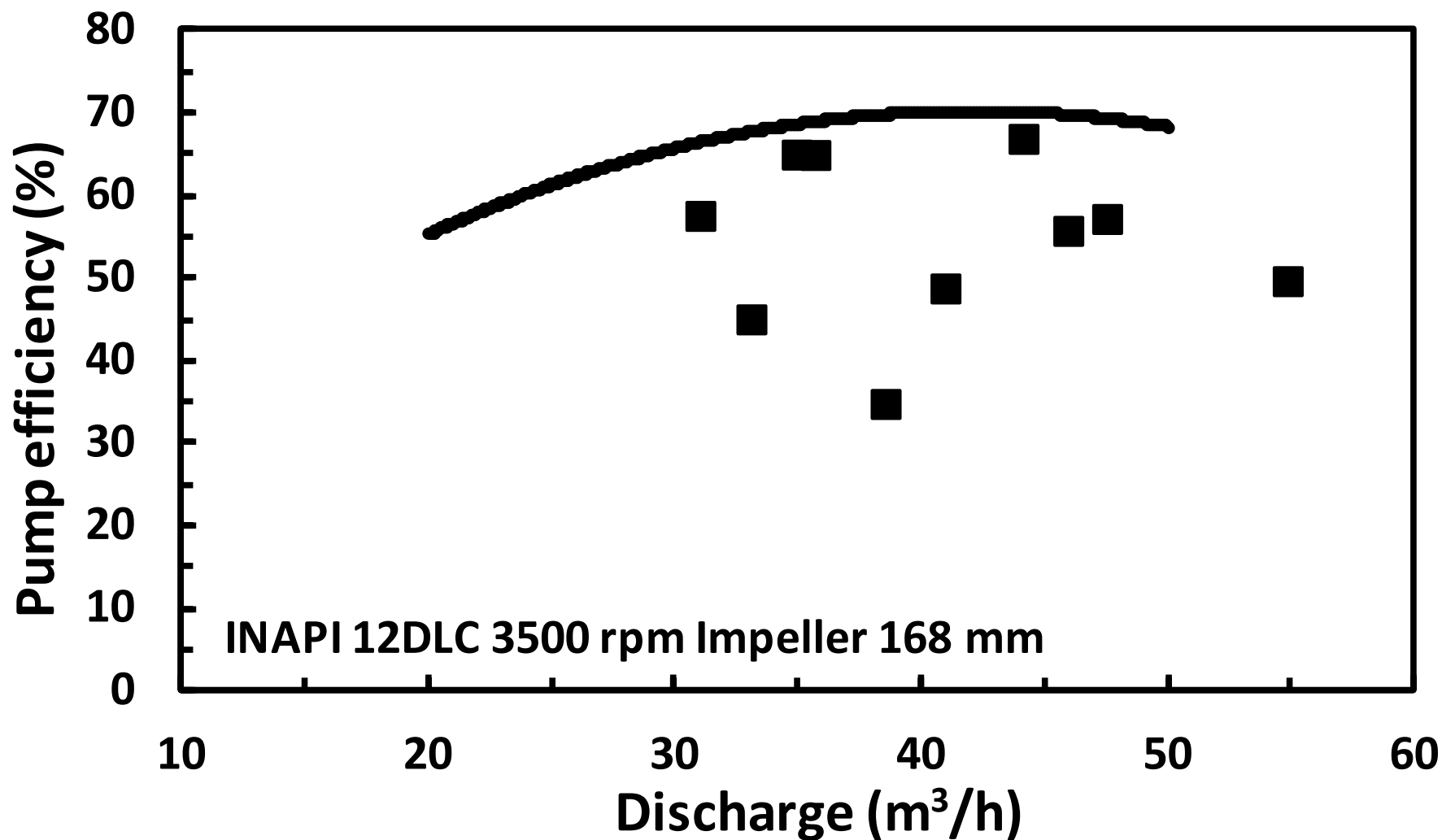




Pump performance



Pump performance



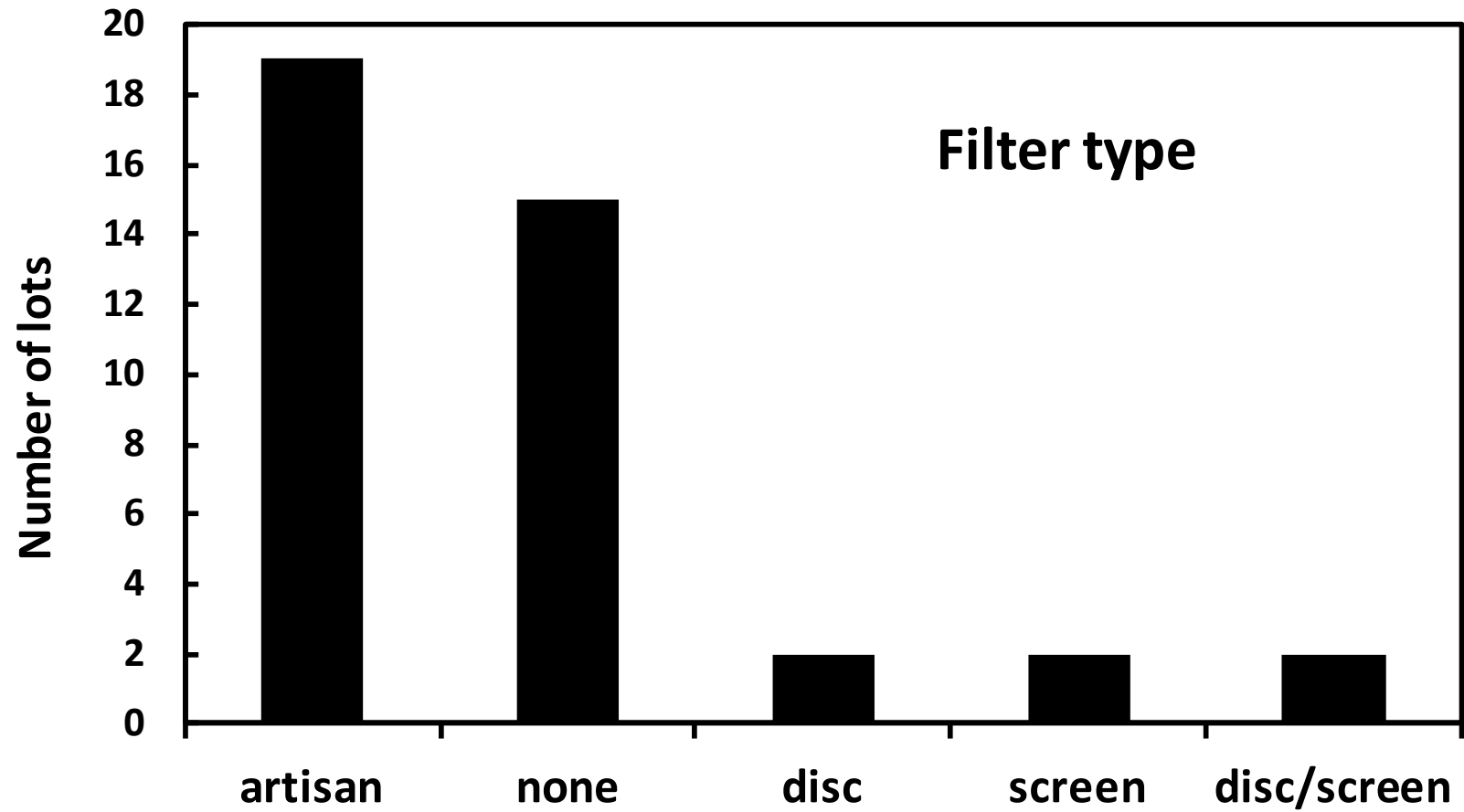
Filter performance







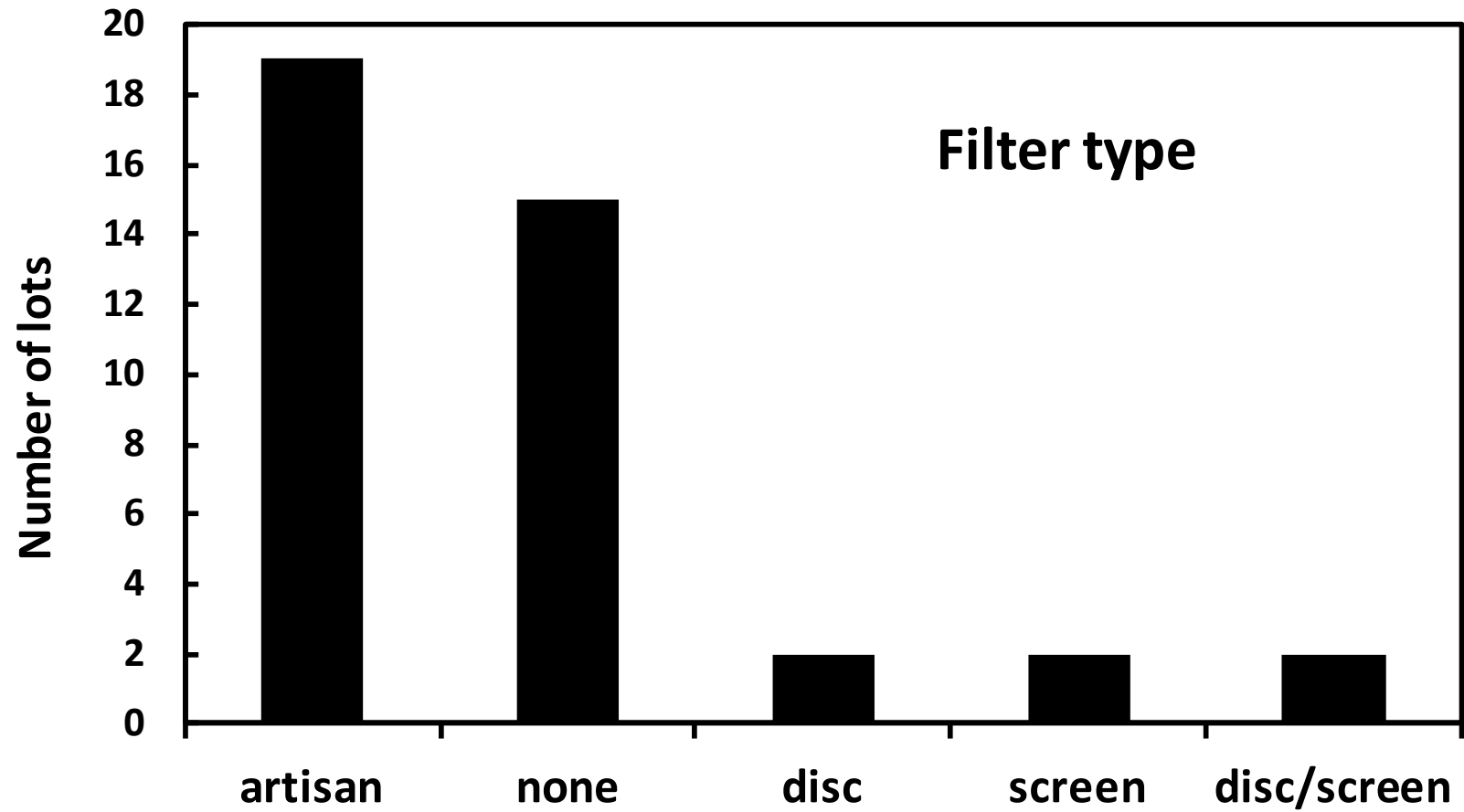
Filter performance







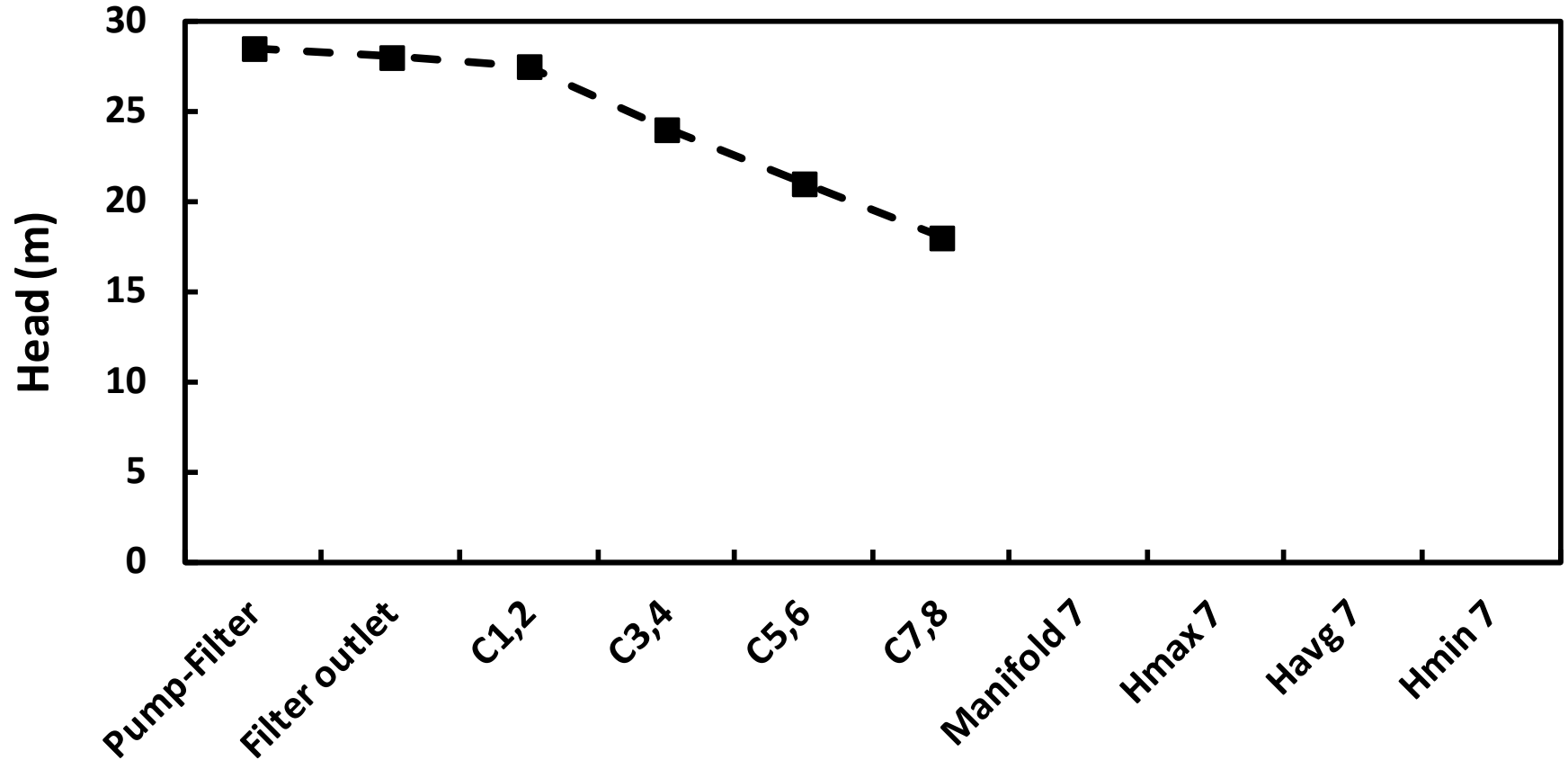
Filter performance



Main line performance



Main line performance







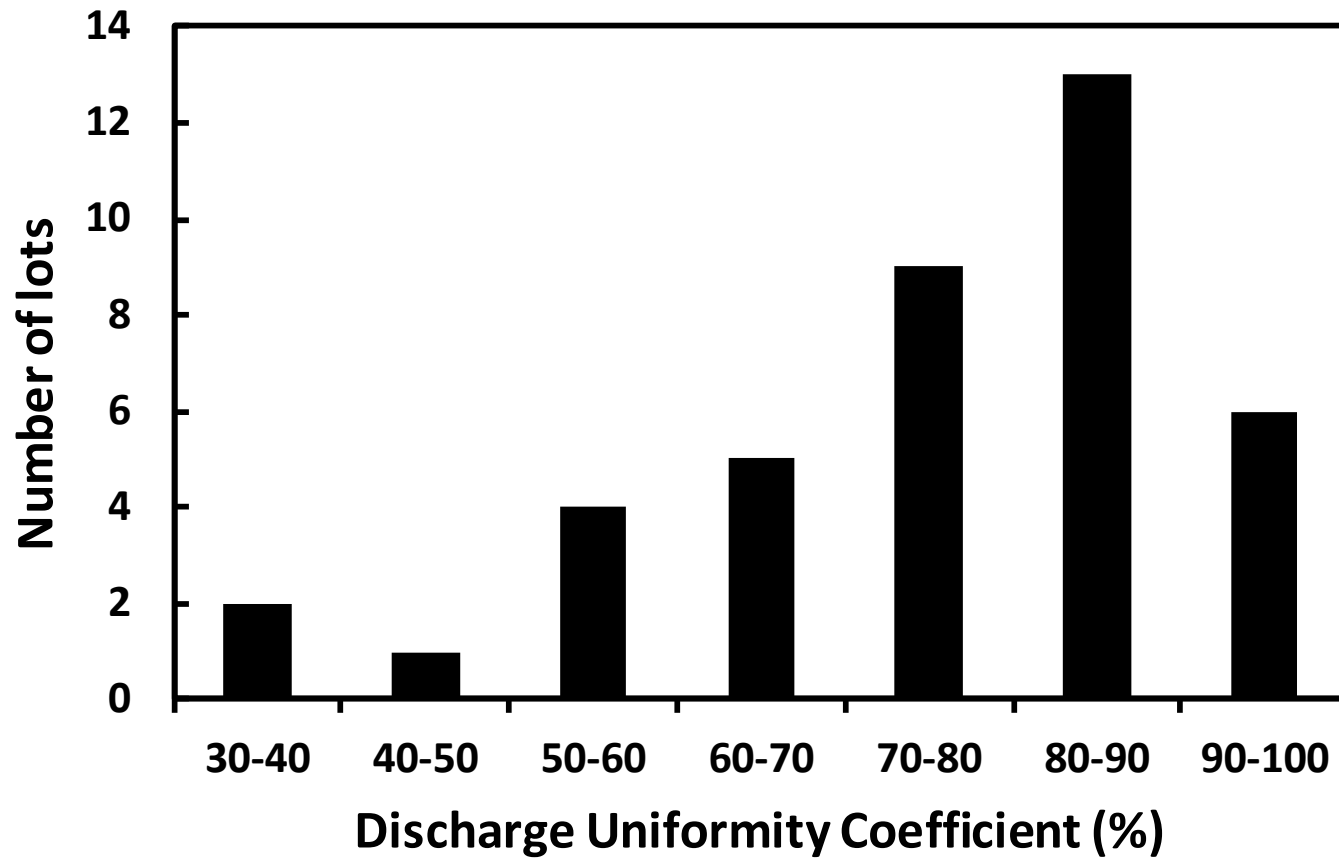




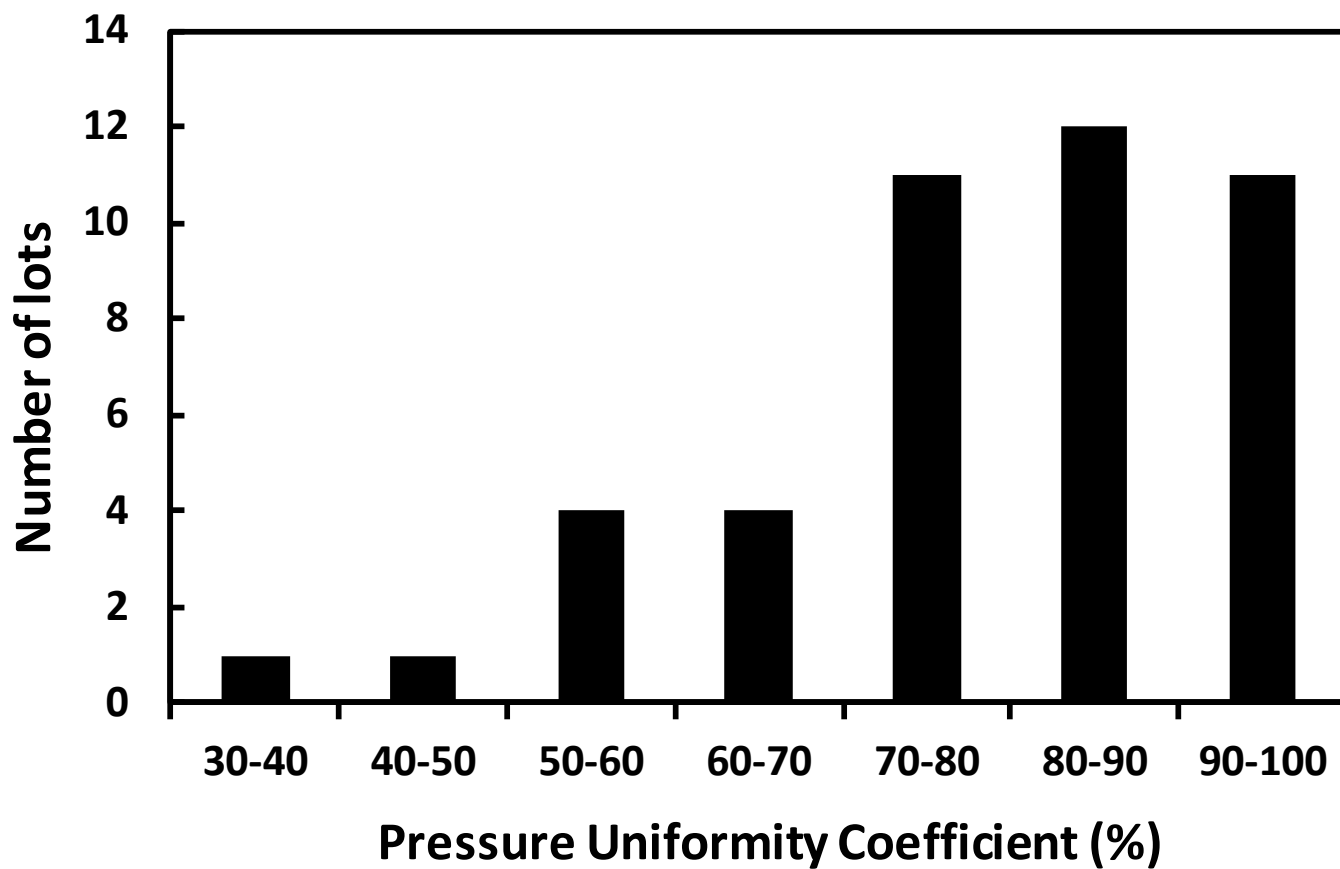
Asperbras Nordeste
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Escola Estadual de Educação Profissional
Julio Franca

Subunit performance

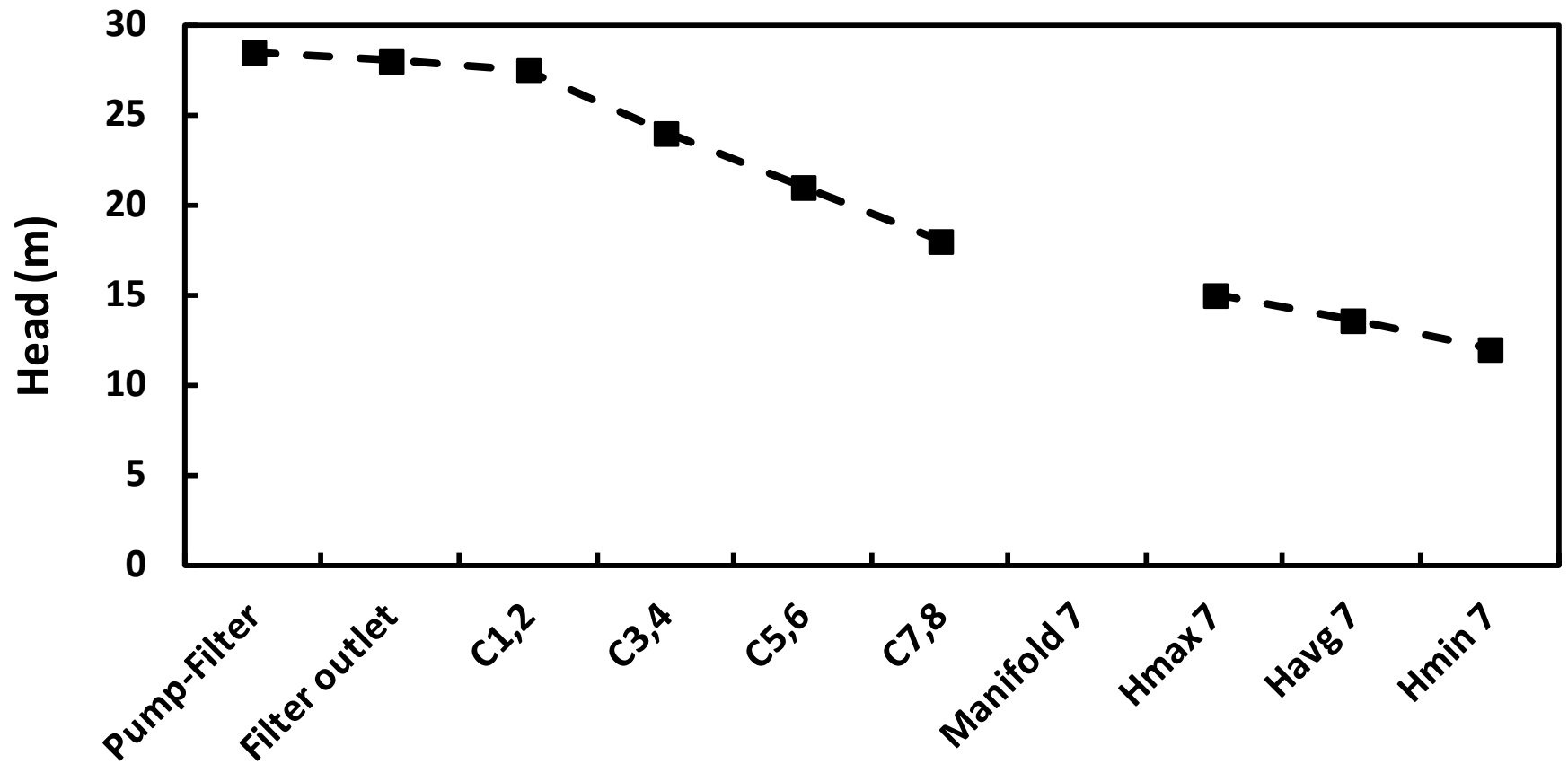


Subunit performance

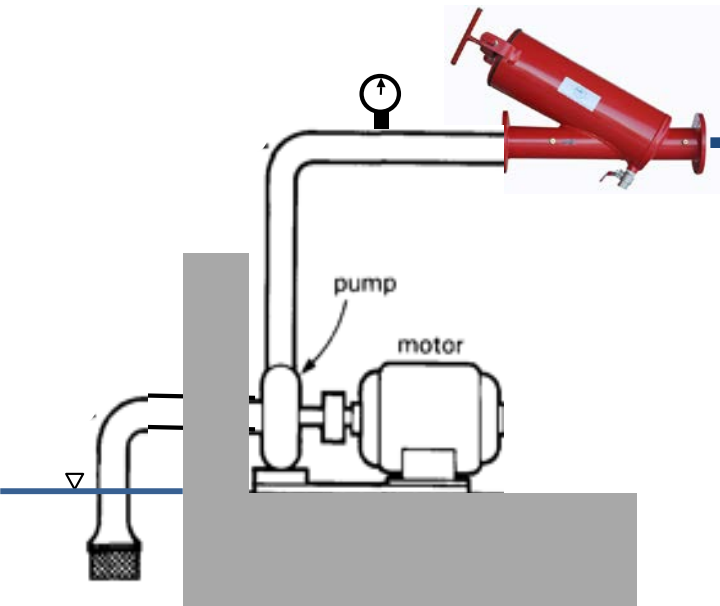




Subunit performance

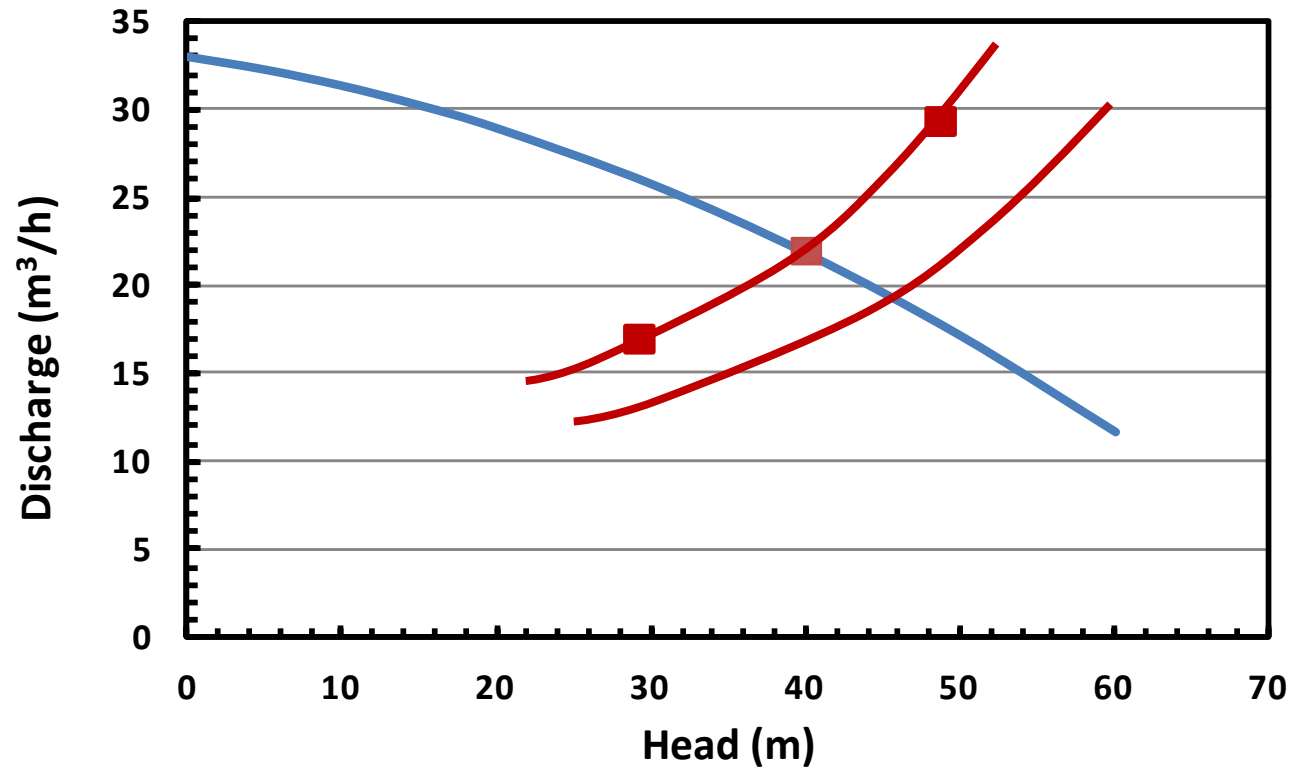


Global performance analysis

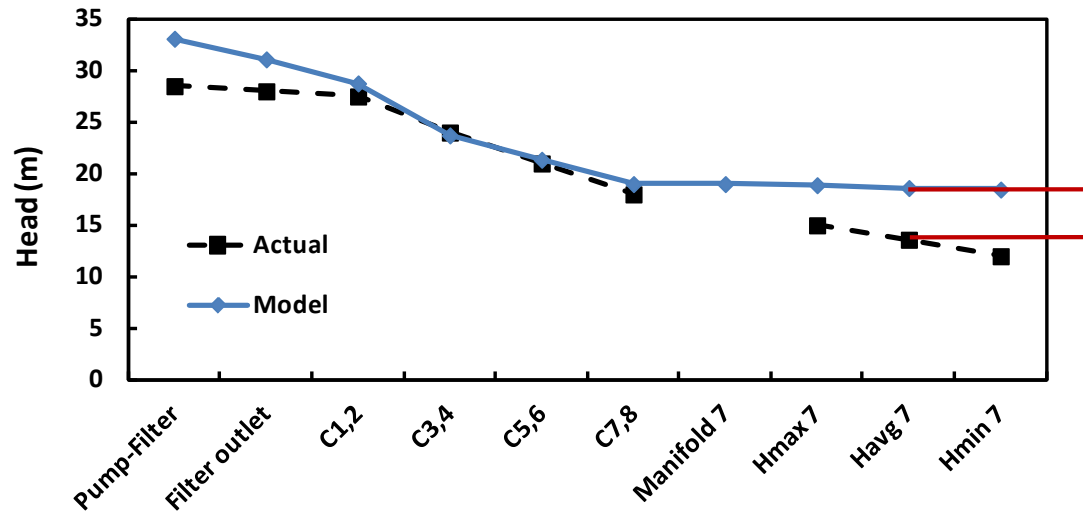


Subunit 1	Subunit 3	Subunit 5	Subunit 7
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Global performance analysis

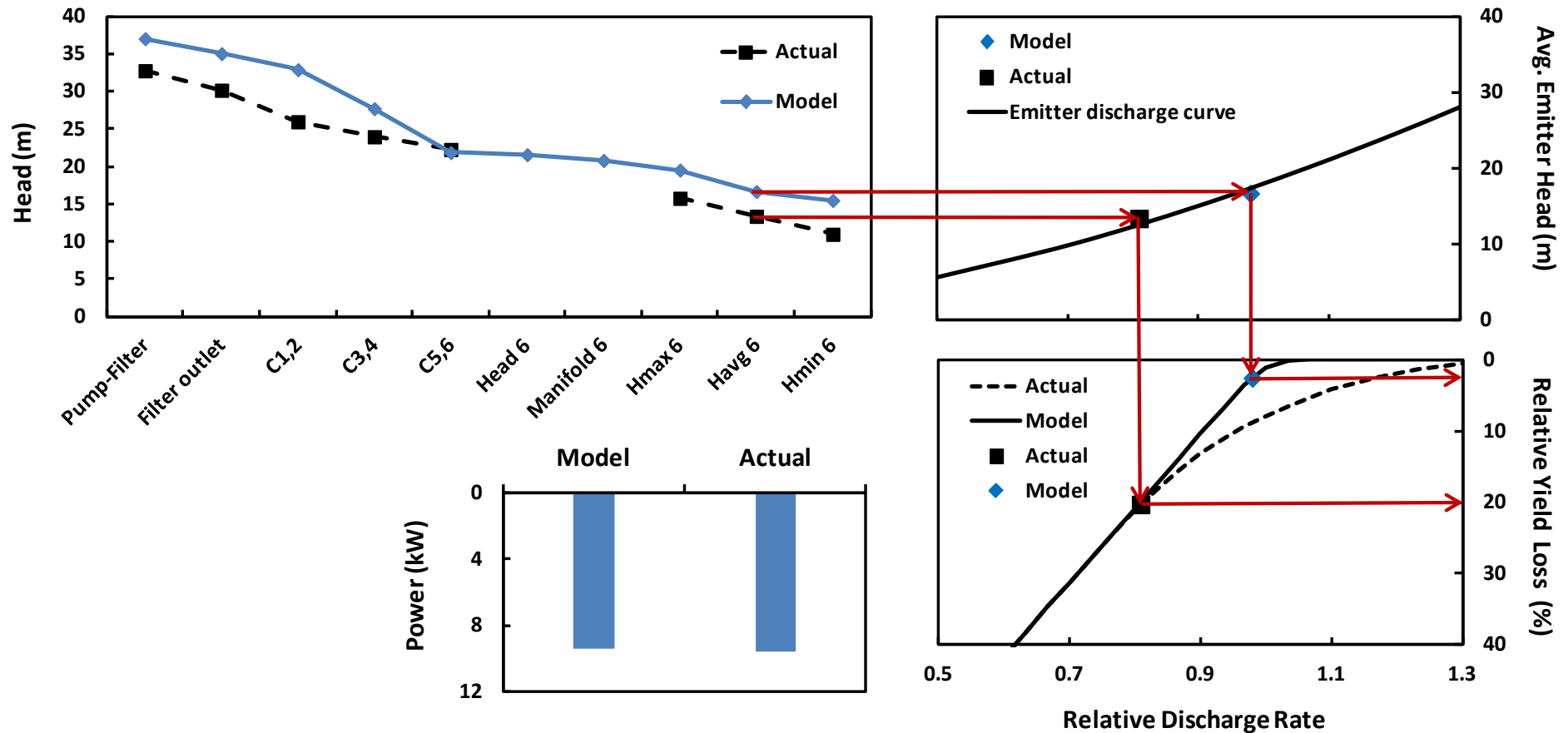


Global performance analysis



Farm lot c39.4

Global performance analysis



Farm lot c14.3

Semi structured interview



