

## Pump and Valve Test Rig



### DIMENSIONS

Dimensions (Plant)	2400 x 800 x 2000 mm (L x B x H)
(Storage Tank)	1700 x 1900 mm (Ø x H)
Weight	approx. 350 kg
Material (wetted parts)	Fiber-glass (GRP) / cast iron / PVC / FEP / EPDM and stainless steel (group V4A)
IP protection class	IP 54

### ELEKTRICAL DATA

Connection for power supply	400V / 50 Hz / 3-phase / 32 A CEE
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### DATA

Storage tank	approx. 2000 L (GRP)
Temperature range	up to. 50 °C
Pressure range	up to 10 bar
Flow rate	up to 17 m <sup>3</sup> /h at 1,6 bar (2 low-pressure centrifugal pumps)

(The specified technical data are maximum values. They do not coincide all at the same time!)

SENSORS	MEASURING RANGE	QUANTITY
Pressure	0 - 6 bar	(1 pieces)
	0 – 2,5 bar	(2 pieces)
	0 – 1,6 bar	(1 pieces)
Differential pressure	16 – 1600 mbar	(1 piece)
Volume flow (feed) (magnetic-inductive flow meter )	25 – 700 l/min	(2 piece)
Temperature (PT 100)	0 - 100 °C Temperature compensation included	(1 piece)

## FIELD OF USE

Experiments to record the characteristic curves of different process valves

Experiments to record the characteristic curves of the installed pumps

Experiments on energy saving or optimisation of pumping processes

Representation and visualisation of cavitation

## Schematic view of pump and valve test rig

