



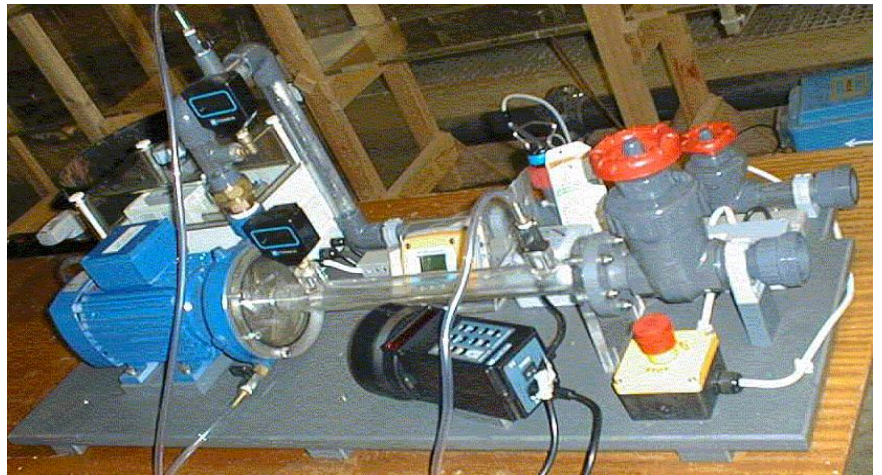
Pump Performance Demonstrator

Novel desktop demonstrator trains engineers and technicians in correct pump operations.

Our Fluid Systems Division assists our clients to get better performance from their plant, processes and equipment. In addition we design and supply special purpose fluid equipment and systems.

Demonstrator

The Demonstrator pays off in terms of reduced damage due to incorrectly assembled pipe-work, as well as early diagnosis of operational faults. Direct benefits accrue from the training of personnel in basic measurement techniques and from the ability to see the effects on pump performance of entrained air or suction line restrictions, effects which many operations are unaware of.



Training facilities

Benefit from our extensive knowledge of pump testing procedures and requirements by training your engineers and technicians using our compact and versatile Demonstrator. It's uses include:

- Recording Head/Flow data
- Injecting air bubbles
- Demonstrating cavitation effects
- Observation of impellor area
- 'Freezing' the action
- Drive shaft misalignment effects
- Condition Monitoring

The unit is easily transportable measuring 1m x 500mm x 500mm and is compact and versatile. We are also able to supply special or custom designed units to satisfy particular user requirements

Training Engineers and Technicians

With more than 60 years of experience in fluid engineering we provide a wide range of comprehensive engineering solutions from training, product and process design to optimisation and performance enhancement through computer simulations for oil and gas industries. Using our technologies we can help you achieve new applications within your industry

Training model

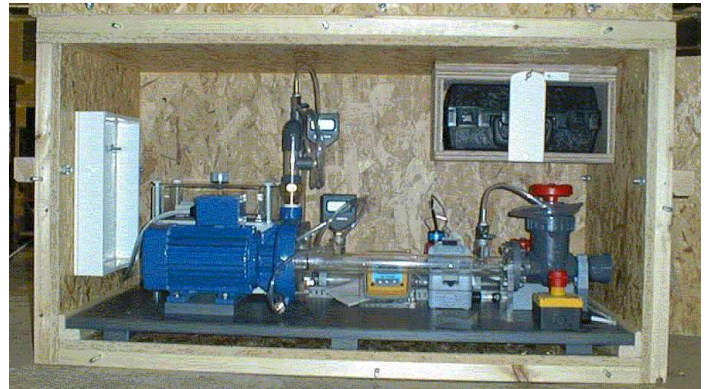
The equipment has been designed and supplied for training engineers and technicians in recording Head/Flow data and to demonstrate how even a little cavitation can effect pump performance.

Gate valves in suction and delivery lines allow control over the operating conditions. A clear front cover on the variable speed pump allows the operator to observe the impeller area and the stroboscope supplied effectively 'freezes' the motion to enable observation of air bubbles in the pump.

A valve in the suction line allows air to be injected, whilst the clear plastic pipe work allows the operator to see the effect of any changes in set up.

The demonstrator can be equipped with the additional capabilities:

- Drive shaft misalignment – making it additionally useful for training in alignment procedures and basic condition monitoring techniques
- A second pump can be provided – facilitating demonstration of the effects of pump changeover etc.



In use at Huntsman

The very first units of this kind were supplied to Tioxide Europe Limited, part of the Huntsman Corporation, for use in its British operation. Further orders have now equipped Huntsman's operations in Malaysia, Italy, Spain and South Africa.

Contact us for more information or visit our website

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