

function

X-ACT HCP

high capacity pressure testing system

Large pipe samples require high capacity pressure testing equipment. To accommodate this we have developed the X-ACT HCP range making it possible to perform Burst from 20 l/min to 100 l/min as standard range. This covers a large variety of samples and dimensions.

highlights

high accuracy pressure control

Low energy consumption

Wide range & customer tailored solutions

high quality components

testing of large specimens of a large variety of materials

high level dynamic control

high flexibility

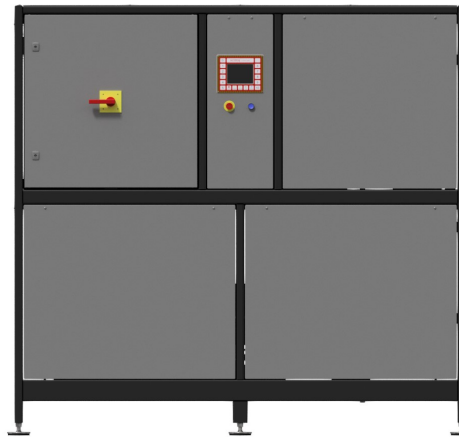
version 07/2017

features

The HCP system includes a pump system supplying 20/30/50/80 or 100 litres per minute configured in 3 different models with a possibility to extend up to 200 l/min at request. Pressure up to 200 bar (higher pressure on request) The unique control system and software can run up to 3 stations – 1 burst and 2 constant pressure in one. (option)

All together the system is very capable of fulfilling the test standards on these large pipe samples.

The high capacity axial piston pump, valves, hoses, buffer etc. are state-of-the-art water hydraulic components from the most respected suppliers in the world.

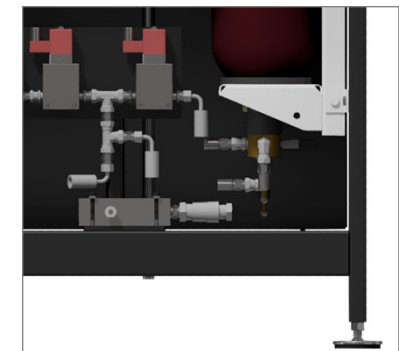


We wish to give our partners the tools to produce to the highest standard, while helping them to produce as cost- effectively as possible with Q.C. tools throughout the factory.

construction

The HCP range also features the DPCS system – Dynamic Pressure Control System – with double outlet valve control. This ensures precise pressure control without hammer effect when controlling pressures on any sample size, small, medium or big. The system has the service valve installed, which is adding the possibility of servicing a station without interrupting long-term pressure test samples. By using Accumulators on each station, the system ensures a precise and smooth pressure control (All unique SCITEQ features).

The SCITEQ microprocessor, has the SD RAM card back-up slot on all controllers, ensuring that all test setting data is saved and stored, no matter what happens. As a new feature, the HCP can be run and controlled via our new WEB / Cloud based software and database, enabling access from any device, handheld, lab-top, phone etc.



X-ACT HCP quick connection to sample

associated | equipment

▲ | essential equipment

thermo tanks

end closures

hoses

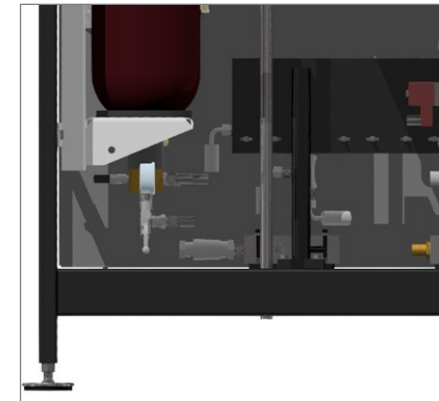
pc-sciteq software

end closure mounting

laboratory saw

technical specifications

Output:	Pressure up to 200 bar other/higher on request Flow from 20, 30, 50, 80 l/min up to 100 l/min standard. Large volume l/min at request.
Capacity:	One independently working BURST station and optional add-on of up to 2 stations performing constant pressure
Transmitter range	0-200 bar
Transmitter accuracy	Accuracy @ 250C +/- 0,5% FS typ
	NLH @ 250C +/- 0,2% FS typ. TC zero point and span typ. +/- 0,03% FS/K typ. Long term stability 1 year typ. < +/- 0,2% FS typ.
Control accuracy	Better than +2/-1% of set pressure
Water outlet	3/4" pipe
Resolution	12 bit analogue conversion => 0,03% of transmitter range
Drain	Lead to gravity fed waste water, - Min. 1" hose
Dimensions	2100x1000x1900mm (LxWxH)
Weight	Approx. 1000 kg
Operational temperature	Max. 37 °Celsius
Air humidity	Between 30-70%
Electrical supply	3 phase 400VAC V+N+PE 50Hz, 30 Amp. Max. Fuse: 63 Amp.
	Other configurations on request
Water supply	Normal tap water supply filtered in built-in 10 micron filter
	Pressure min. 2 bar and max. 6 bar Min. 3/4" pipe
Water Reservoir	500 L
Standards	ISO 1167-1:2006 - ASTM D1599-99



X-ACT HCP Overflow Outlet

SCITEQ A/S

Rho 3
DK-8382 Hinnerup
Denmark
Tel.: +45 86 96 19 33
Fax: +45 86 96 24 75
www.sciteq.com
sales@citeq.com