

function

SCITEQ-2000 HCP

high capacity pressure testing system

Large pipe samples require high capacity pressure testing equipment. To accommodate this we have expanded the SCITEQ-2000 range with a HCP system. This dynamic pressure testing system is, dependant on pipe expansion, capable of pressure testing large PE pipe samples.

highlights

high accuracy
pressure control

high level
dynamic control

customer tailored

high quality
components

testing of
large PE pipe samples

easily accessible
service components

high flexibility

version 06/2010

features

The **SCITEQ-2000 HCP50 and HCP200** include a pump system supplying up to 100 l/min at max. 50/200 bar pressure and a unique control system with two individual pressure stations and software. 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 SCITEQ-2000 HCP50 and HCP200 series is built up as a stand-alone system incorporating a pressure source, two individual pressure outlets and a control system in one unit. The unit contains a pressure pump and reservoir system which gives two regulated pressure sources of 50/200bar and up to 100 l/min as maximum. Due to the high water flow there is a 450litre stainless steel tank mounted as water reservoir to prevent the pump from running dry should water source fail for up to 4 minutes. When the water level falls below maximum level water is automatically refilled into the tank.

Each station is operated using a dedicated controller unit which incorporates a clear text back light display and multifunction push buttons. There is a separate main power switch for each controller which has a built in light to indicate power on/off.

There are a large number of parameters which the operator can view/adjust. The most commonly used parameters have been grouped together and placed in a quick menu. This allows the operator to set up a test in the minimal amount of time possible.

associated equipment

essential equipment

thermo tanks

end closures

hoses

pc-sciteq software

end closure mounting

laboratory saw

SCITEQ-2000 High Capacity Pressure Testing System:

SCITEQ-2000 HCP

- output:** HCP50: max. 50bar regulated output, 100 l/min total flow
HCP200: max. 200bar regulated output, 100 l/min total flow
- pump:** 80ccm/min-1
- motor:** HCP50: 15kW @1500rpm
HCP200: 45kW @1500rpm
- electrical supply:** HCP50: 380-400Vac 3 phase + N + PE, fused supply min. 40 amps
HCP200: 380-400Vac 3 phase + N + PE, fused supply min. 80 amps
- water supply:** mains water supply, 2-6 bar
- drain:** gravity fed waste water
- PC-SCITEQ connectivity:** yes
- stations:** HCP50: 2 individual pressure outputs up to 50bar
HCP200: 2 individual pressure outputs up to 200bar (30 l/min + 100 l/min).
- station connections:** standard: 3/4" male
optional: Rectus 75 3/4" AISI 303 stainless steel quick disconnect
- pressure hoses:** on request



SCITEQ-2000 HCP large capacity pump

SCITEQ-2000 series performance:

- control accuracy:** better than +/- 1% of set pressure
- resolution:** 0,01bar
- transmitter accuracy:** class 0,3% of full range
- analogue conversion:** 12 bit
- transmitter ranges:** 6, 10, 16, 25, 40, 60 and 100Bar



SCITEQ-2000 HCP control panel

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