

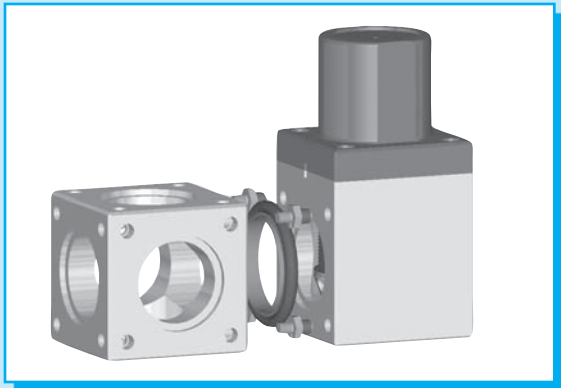
# Newsletter

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## Compact Genesis hardware

Under the name of "Genesis", Nor-Cal delivers the most compact components in DN25, 40 and 50KF. These Genesis components are made from Aluminum and have a Nickel corrosion resistant coating. Benefit of their short port length's is a high



conduction. Genesis components can easily be connected to all other KF hardware and of course to Nor-Cal's Genesis valves.

## Plastic Bell Jar

Would you like to have a fast use to a small vacuum chamber? Our experimental Plastic Bell Jar just would fit fine. The diameter of this Bell Jar is 200mm and includes all seals and connections to your vacuum pump. The Bell Jar also has two electrical feedthrough's, situated in the



stainless steel base plate. This Bell Jar is also very suitable for student's vacuum experimentations.

## SMC valves

SMC Corporation supplies an extensive range of Aluminum and stainless steel vacuum valves. Especially the interesting pricing (see our Online Catalog) and brilliant workmanship of these valves resulted in lots of enthusiastic reactions. Beside usual Angle or In-line valves, SMC also delivers the following special valves:

- smooth venting valves
- smooth pumping valves
- electromagnetic operated valves
- quick maintenance valves
- slit valves



*Manual operated SMC valve with position indicator.*

## Pull port technique

Nor-Cal is using the "pull port" technique for their components and valves. This technique prevents smooth angles at the inner tubes to avoid heaping-up of contamination. This results in faster pumping times and lower degassing.



## Battery operated vacuum gauge

We deliver two types of battery operated pre-vacuum gauges. This type of gauge is very useful at times, when you like to measure a pre-vacuum pressure at a place, where no 230V power is available. Both gauges have a Piezo-sensor (Atmosphere to 1 mbar). One of these units also has an integrated Pirani-gauge to measure pressures from Atmosphere to  $1 \cdot 10^{-3}$  mbar.



*PIZA vacuum gauge.*

## Convectron ATM module

The Granville Phillips Mini Convectron vacuum gauge has a sensor with integrated electronics for accurate measurements of vacuum pressures from Atmosphere to  $1 \cdot 10^{-4}$  mbar. Recently the Mini Convectron ATM has been introduced. This Mini Convectron has an extra Piezo-diaphragm, to activate a setpoint, as soon as the vacuum chamber have reached atmospheric pressure. This option is very useful for venting the load lock. Also the wide range Mini-Ion gauge (Atmosphere to  $10^{-9}$  mbar) is now available with this extra atmospheric pressure switch.



## Seminar

Again this year, you can join DeMaCo's and Adixen's seminar, this time in Leuven and Delft. For free you can be present at 6 different lectures and contact different people from the world of vacuum and, of course, our suppliers. We do like to welcome you on one of the following data: 30, 31 October or 1 November.

## Alarmclock FOR FREE



In the months of September and October 2007 you receive this clock for free with your order > Eur 250,00.