

PANTHER

NS3006L Energy



Niro Soavi presents the NS3006L Panther laboratory pilot homogenizer. It is fully equipped and capable of handling feeds with a range of viscosities at pressures of up to 1500 bar g. It is ideal for generating samples in small / medium quantities.

Compression Block

- Constructed from stainless steel and fitted with wear resistant components to maximise the service life at high operating pressure
- Solid ceramic pumping pistons equipped with specially designed packing for very high pressure applications
- Suction and delivery ball valves (PVB) in special alloy, highly resistant to abrasion, with replaceable valve seats in Stellite®
- High precision electronic digital pressure gauge, with built-in pulsation damper
- Spring loaded overpressure relief valve

Homogenizing Valve

- Rupture type sharp-edge homogenizing valve in special abrasion and wear resistant material
- Manual pressure adjustment by means of a hand-wheel
- Second homogenizing stage included with flat profile homogenizing valve
- A range of different homogenizing valve types are available for both stages. The selection is dependent on the material that is to be processed.

Feeding System

- Stainless steel feed funnel (5 l capacity) with connecting pipework to the feeding pump (inclusive of 10 Mesh filter and Tri-clamp fittings) .
- Lobe type pump driven by a separate electric motor with built in Variable Speed Drive unit to adjust the feed pressure according to the product viscosity. All product contact parts are in AISI 316.
- By-pass valve for re-circulating the product into the funnel and pressure gauge to read the inlet pressure

Power End

- Toothed belt drive
- Three phase motor
- Crank drive with splash lubrication

Casing

- Made in polished stainless steel, completely removable for maintenance and cleaning
- The machine is mounted on castors for easy handling

Control Panel

- Electric Power Board in plastic box (IP55 protection) located inside the machine casing. Assembled according to IEC standards
- Start/Stop push buttons for homogenizer and feed pump,
- Emergency stop and pump speed adjustment are located on the front panel of the machine

