AIR/CO2 NUCLEATION UNIT FOR Discontinuous lines

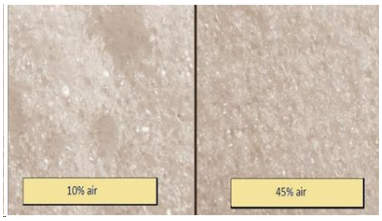
NUCLEATOR

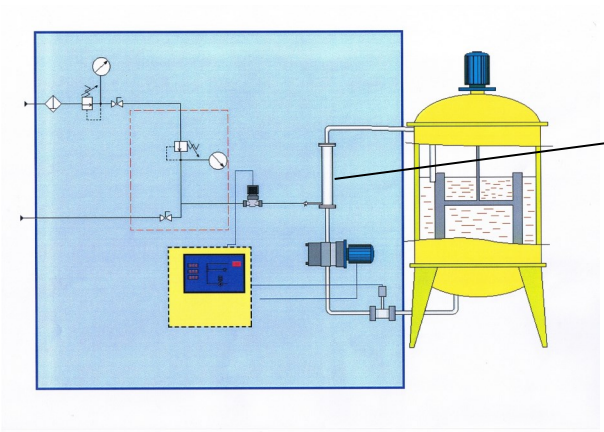
Description:
This machine consists of a steel framework holding all the components needed for its operations, such as motor pipes, pumps, valves, tanks, control panel and instruments. It is a fully autonomous system, controlled via a tactile colour screen. The touch screen control system provides start-up, production and weekend modes as well as constant display of the measured values, faults and help.
A set of static mixers allows uniform dissolution of the gas in the polyol.
A hydrometer measure permanently and Polyol adjusts the amount of air required.
Polyol is taken in the vessel, transferred to the mixing through a gear pump and delivered in the tank.
The nucleation rate is constantly monitored and adjusted by a controller.
The nucleator can be easily adapted to an existing installation.
The air nucleation is taken directly into the vessel to avoid pressure variations.

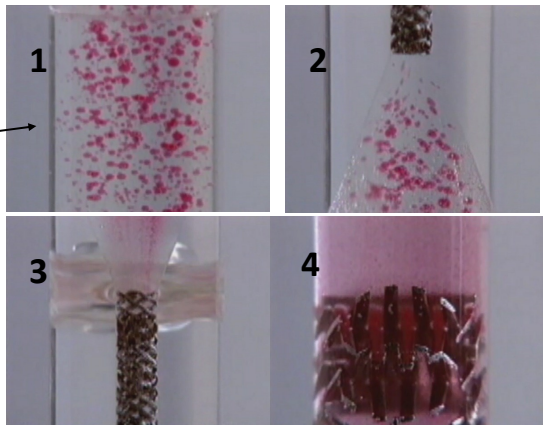
Machine data:
The gas load generates a very large production of gas bubbles, such as are required, for example, for "rigid foam" applications. In this case, a gas load of over 25% is normal.
The gas particles are injected into a secondary circuit and distributed evenly throughout the raw material (Polyol). A density measuring system is used to maintain and regulate the preselected gas load automatically.

Technical characteristics:

Max. rate:	26 l/min
Viscosity:	Polyol 100—2500 mPas at 20° C
Gas supply:	10 bar minimum—60 bar maximum
Power supply:	400 V—3 phase—50 Hz—20 A
Control voltage:	24 V
Dimensions:	approx. length 1570 x width 900 x height 160 0







USEFUL INFORMATION
Our offices are open Monday to Friday from 8am to 18pm. Outside these hours thank you for contacting us by e-mail, we will respond quickly.

POFI-ENGINEERING SA
Société anonyme au capital de 111 300 €

CONTACT
21 RUE DE LUXEMBOURG
L-5752 FRISANGE
Phone: +352 26 67 08 71
Fax : +352 27 68 73 93

LEGAL INFORMATION
R.C. Luxembourg B 118719
Autorisation N° 136879/2
VAT N° LU 22332726
Banque :ING
IBAN : LU02 0141 0443 4790 0000 / BIC CELLLULL