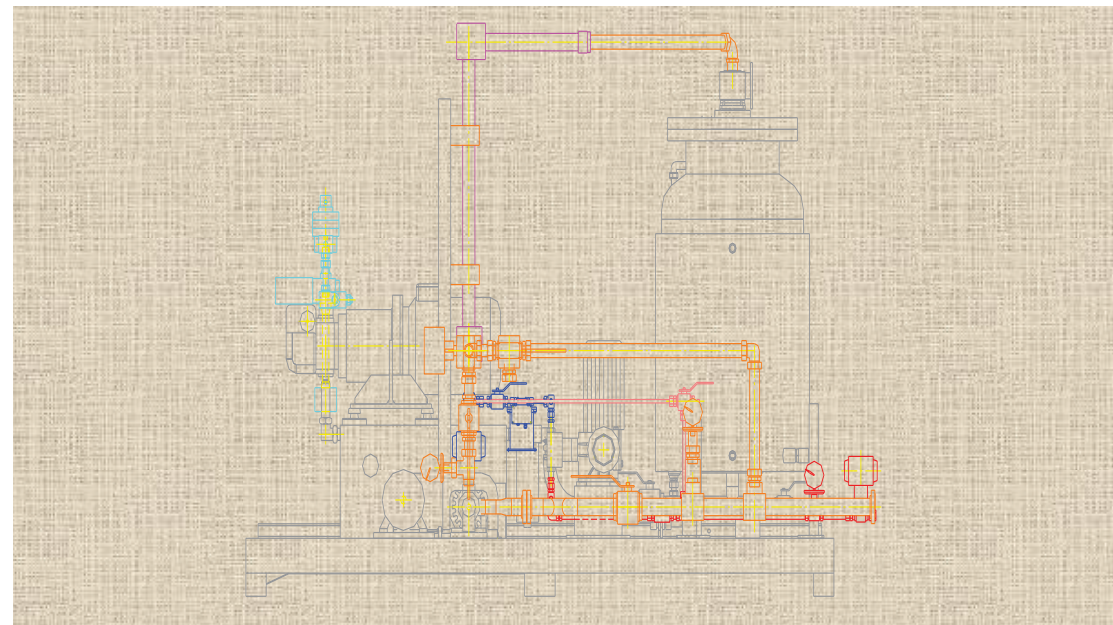




CHOOSING ISC:

- Preparation of preliminary Technical Report to present at local authorities for usage of HydroCarbons (HC) for Police Fire Dept, Sanitary Authorities, Ecc.;
- Classification of the diverse factory Zones at potential danger where the HydroCarbons (HC) are used, and application of Atex normative;
- Supply of storage and distribution plants of HydroCarbons (HC) blowing agents;
- Supply of brand new foaming machines and relevant ancillaries, specifically designed for HydroCarbons (HC) use according Atex requirements;
- Revamping of existing machines & plants according Atex standards, suitable to convert them at the usage of HydroCarbons (HC) blowing agents with relatives certification.



TECHNICAL FEATURES

- | | | |
|--------------------------------------|---|---------------------|
| • HC adjustable percentage | : | 4-16% |
| • POLYOL basic output | : | 25 l/min. (approx.) |
| • HC adjustable output in continuous | : | 1-4 l/min. |
| • POLYOL pump feeding pressure | : | 2 bar, 10 bar max. |
| • HC line feeding pressure | : | 3 bar, 10 bar max. |
| • Blend outlet pressure | : | 25 bar max. |
| • Compressed air feeding | : | 4-8 bar |
| • POLYOL viscosity | : | 5000 cps max |
| • HC viscosity | : | 0.95 cps max. |
| • Weight | : | 370 Kg |
| • Power consumption | : | 5 Kw |

ECOMIX UNIT

>> Mixing Unit for Hydrocarbons of polyurethane components in a batch process

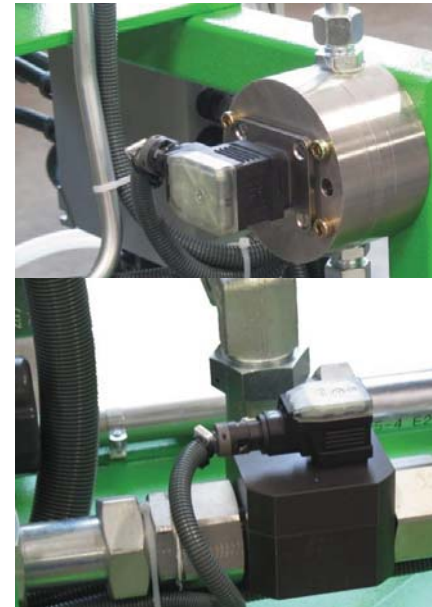
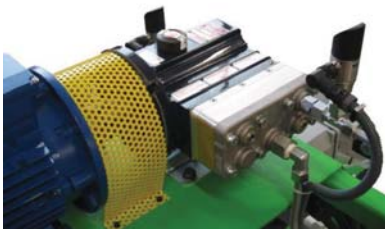
ISC s.r.l. – via dell'Artigianato, 17/B – 22060 Cabiato (CO)
Tel: +39.031.6123954 – Fax: +39.031.768475
www.isc-italy.com – email: info@isc-italy.com

The **ECOMIX** device is an automatic system which permits to meter and mix by keeping a constant ratio between Polyol and ecological blowing agents (HCFC) through high accuracy control systems by selecting the quantity.



TECHNICAL FEATURES:

- Gear volumetric dosing pump german made model for pure Polyol, coupled to a motor at variable speed by means of frequency converter;
- Safety pressure gauge at Polyol dosing pump feeding;
- Safety pressure gauge in suction to the HC blowing agent metering pump;
- HC blowing agent metering pump diaphragm type coupled to a frequency converter-driven motor for ratios/deliveries setting and change;
- Safety pressure gauge at the HC blowing agent metering pump feeding point;
- Static mixer to get a homogenous blend;

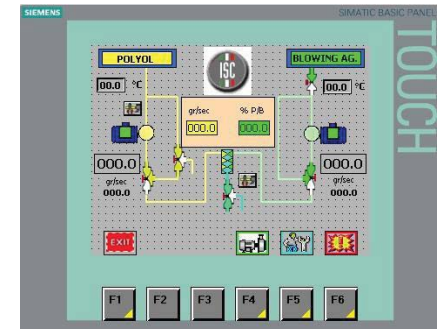


HIGH ACCURACY:

- Polyol flow control made by volumetric flow-meter;
- Flow-meter for HC blowing agent with high accuracy;
- Automatic valves for recycle pressure adjustment on Polyol and HC blowing agent line;
- Pressure balance system to ensure a perfect blending;
- Continuous monitoring of the blend via analog PLC control;

CONTROL PANEL:

- PLC Siemens S7-1200 series for data processing;
- HMI type Siemens KTP 600 series for settings and alarm visualization,
- Frequency converter for POLYOL and HC Blowing agent pump motors;
- Ethernet connection for production data facility;



EUROPEAN GUIDELINES:

These Guidelines are intended to be a manual for all parties directly or indirectly affected by Directive 94/9/EC, commonly referred to as ATEX ("*Atmosphères Explosibles*") Products Directive. Readers' attention is drawn to the fact that this guide is intended only to facilitate the application of Directive 94/9/EC and it is the relevant national transposition of the text of the Directive which is legally binding. However, this document does represent a reference for ensuring consistent application of the Directive by all stakeholders.