

## ATEX BOXES : PRESSURIZED ATEX HOUSING FOR THERMAL PRINTER

### PROPERTIES :

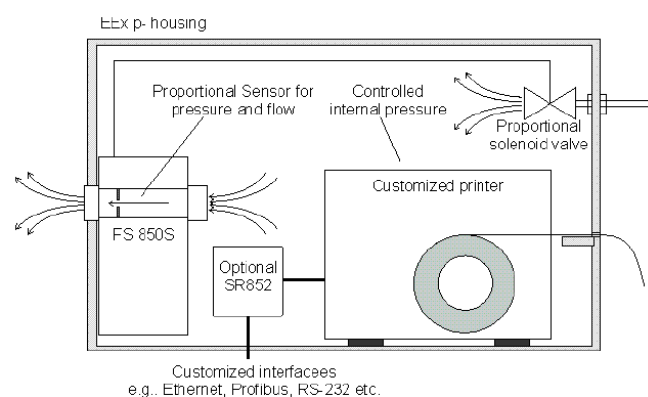
- Use directly in zone 1/21 - 2/22 ATEX
- Enclosed box according to the customer's needs
- Recovery of labels directly in the Ex zone
- Control elements on the front face
- Patented Exp system for maximum flexibility and reduced air consumption.

### DESCRIPTION :

These custom industrial printer solutions are designed for direct use in Ex 1/21 - 2/22 areas.

In combination with the protection class «pressure vessel» (Ex p), a stainless steel housing is used, which allows use in particularly difficult industrial areas.

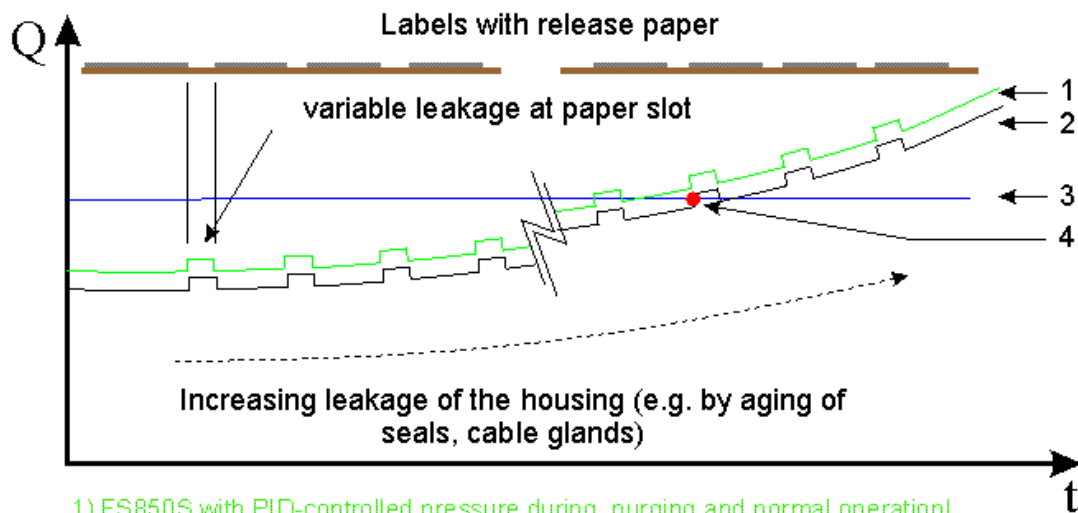
The application has a complete ATEX certification, based on the CE certificate type DMT 02 ATEX E 086. This ensures you a realization at an optimal price and in reduced time.



The use of label printer applications, with direct removal of paper in the hazardous area is possible.

The paper is produced by an adjustable slot in the Ex-p housing. This causes a specific difficulty in the excursion changes of the leak at the slot following the change of the paper thickness at the starting point and the end of each label.

The patented FS850S control unit, with its valve proportional to the inlet, automatically compensates for this leak, with a minimum consumption of purge gas, and ensures a higher reliability at work.



- 1) FS850S with PID-controlled pressure during purging and normal operation!
- 2) Air requirement Ex-p application
- 3) Leakage compensation by conventional Ex-p System
- 4) Early loss of conventional Ex-p System!

With the FS850S, the increase in the leak rate, caused for example by the aging of the housing seals or cable glands, does not lead to failures as on a conventional Ex-p system.

The concept offers a higher flexibility to the realization: the various printer models, the interfaces as well as the windows and the elements of control, for example buttons of line break or of abandonment of printing can be inserted.

## MOBILE SOLUTIONS ARE ACHIEVABLE

- **Material: Robust stainless steel housing**
- **Dimensions : 500 x 250 x 320 mm (example)**



- **Side and rear (with the remote control at the bottom)**



- Printer position on adjustable stand



- The FS-850 and the signal isolator (optional) mounted



## OTHER APPLICATIONS FOR PRINTER :

