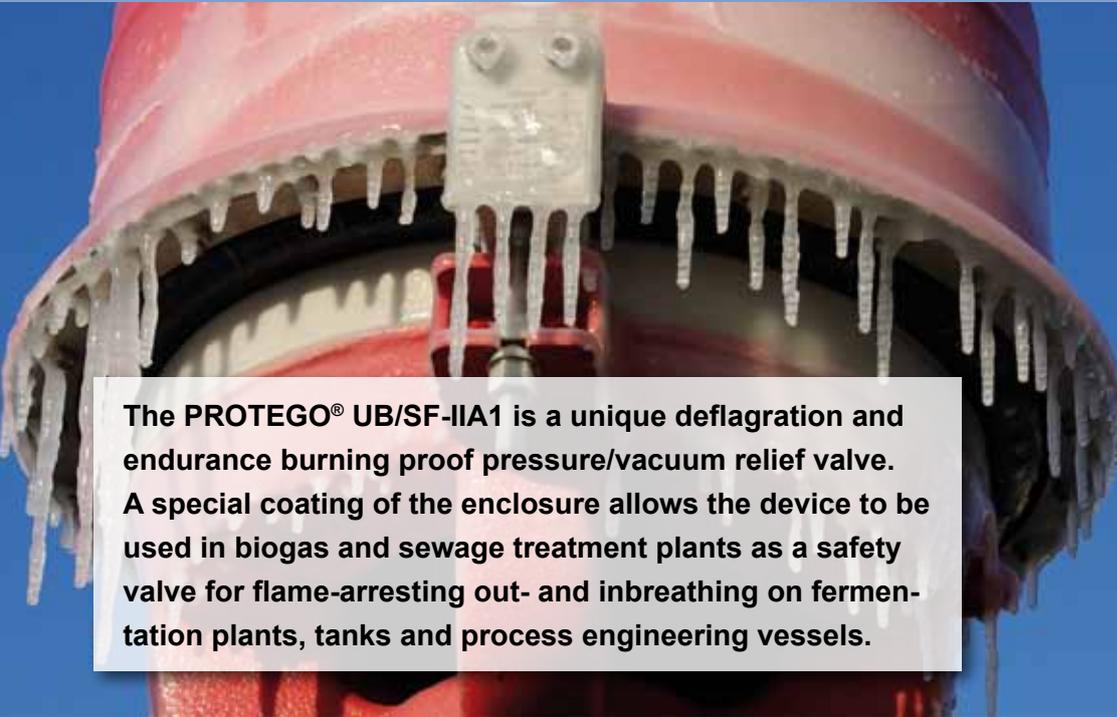


# PROTEGO® UB/SF-IIA1

## Frost-Proof Pressure and Vacuum Diaphragm Valve for Biogas Plants Protective System as per ATEX Directive 2014/34/EU



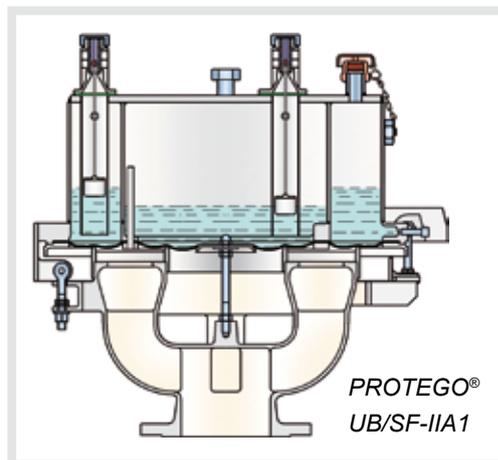
The PROTEGO® UB/SF-IIA1 is a unique deflagration and endurance burning proof pressure/vacuum relief valve. A special coating of the enclosure allows the device to be used in biogas and sewage treatment plants as a safety valve for flame-arresting out- and inbreathing on fermentation plants, tanks and process engineering vessels.



### Benefits

- Approved for vapors in explosion group IIA1 – methane and for set pressure/vacuum from 3.5 mbarg and greater
- EU conformity according to the currently valid ATEX Directive. Approvals according to other national/ international regulations are possible
- High-grade corrosion-resistant coating of enclosure permits use in biogas plants
- Protection against atmospheric deflagrations and endurance burning
- Unique liquid loaded design. Once properly set up, the liquid chambers require little attention. Liquid load not affected by condensate
- Liquid column height is monitored by level indicators
- Freeze protection at sub-zero conditions
- Self draining function for condensate
- High performance seal reducing product loss below EPA's 500ppm rule preventing environmental pollution
- Set pressure close to opening pressure enables optimum pressure maintenance in the system
- Hinged design – maintenance friendly

For more informations see on  
our website: [protego.com](http://protego.com)



Feel free to contact us with any questions!  
Our PROTEGO® team is happy to consult you!

#### PROTEGO® Head Office Germany

Industriestrasse 11  
38110 Braunschweig  
phone: +49 (0) 5307 / 809-0  
fax: +49 (0) 5307 / 78 24  
email: [office@protego.com](mailto:office@protego.com)

[www.protego.com](http://www.protego.com)

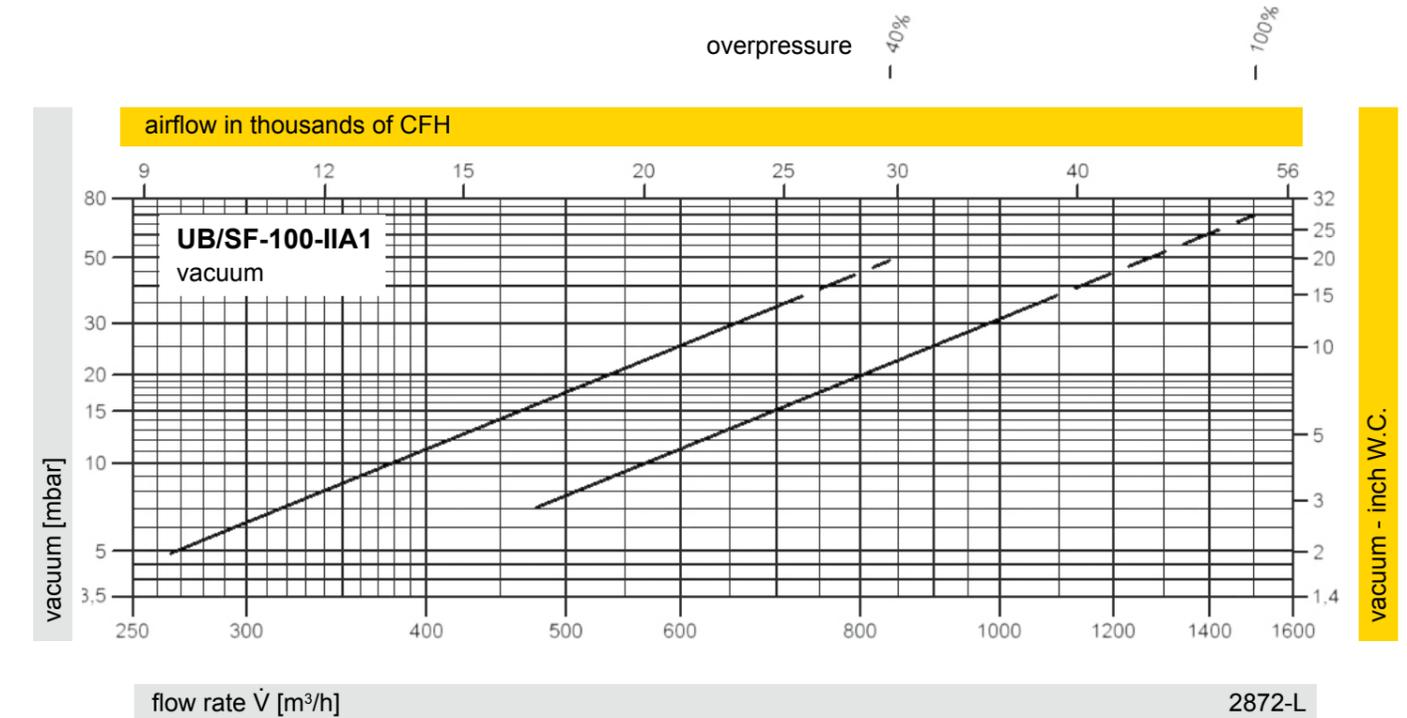
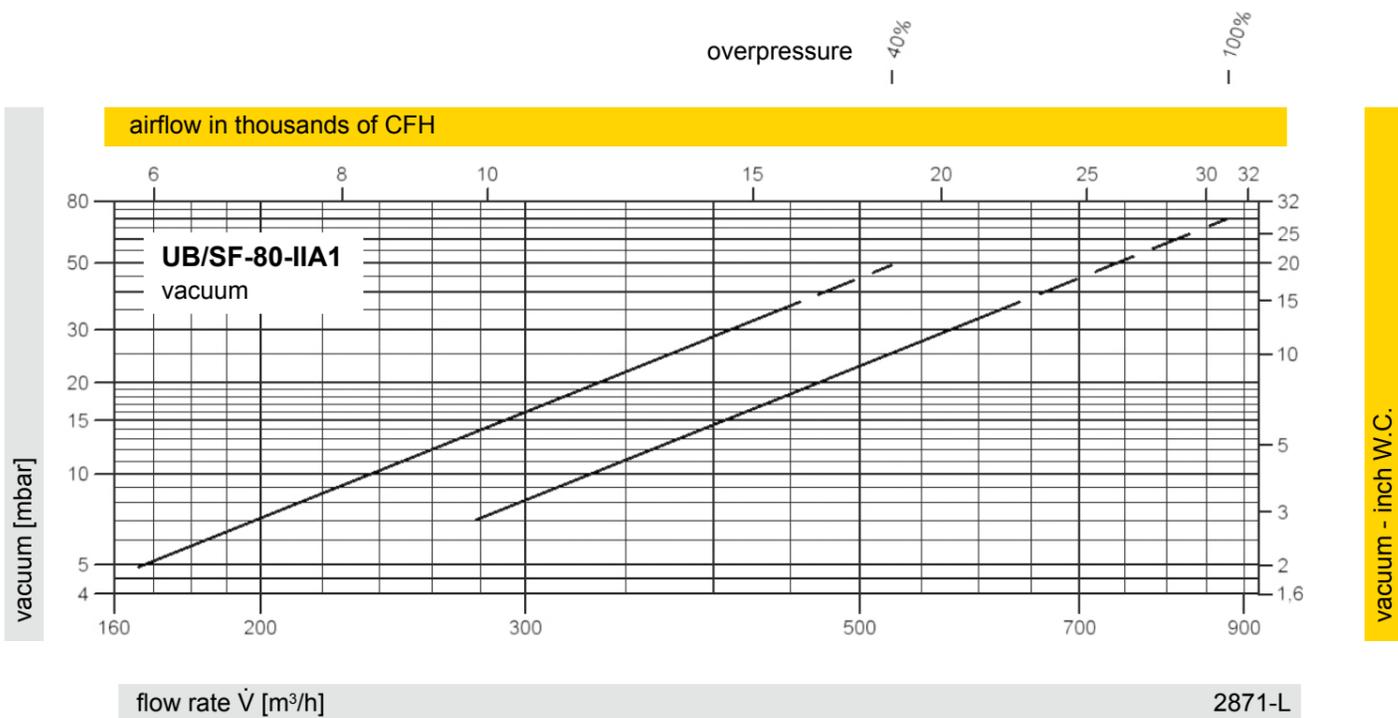
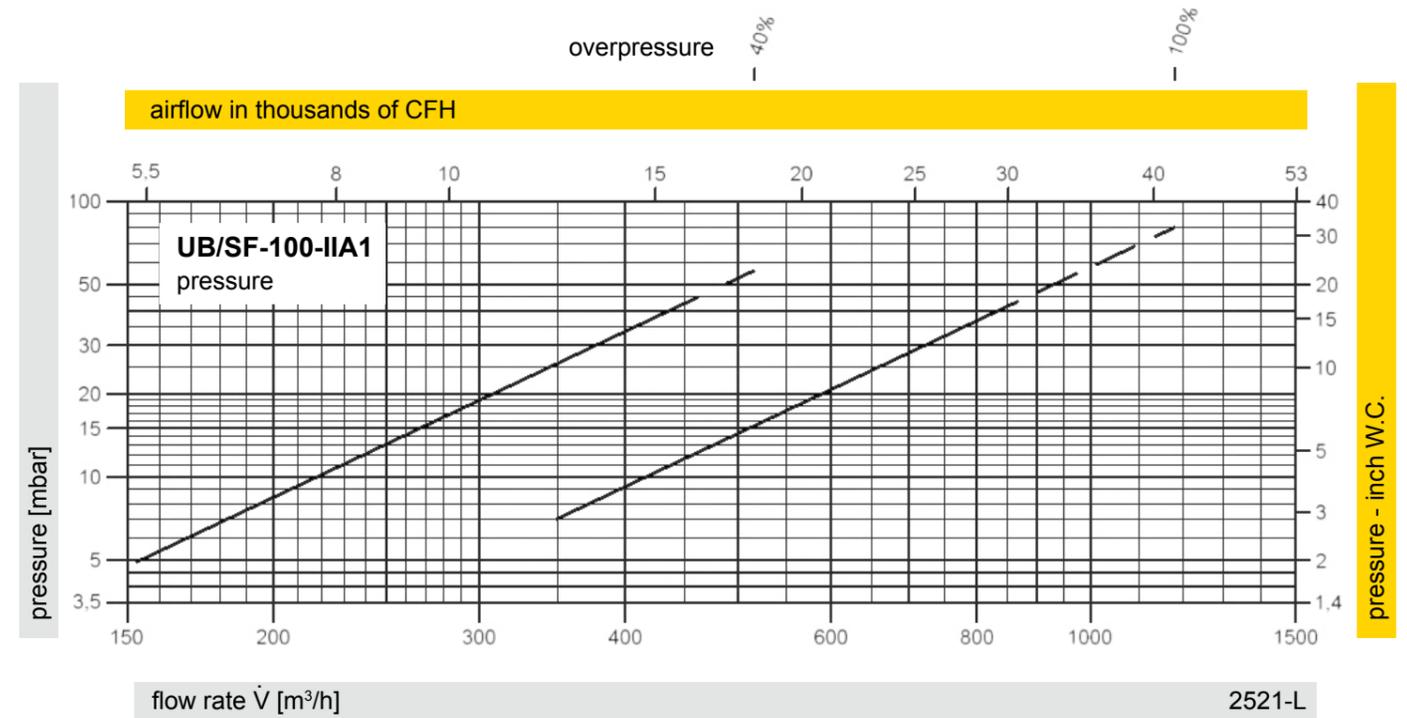
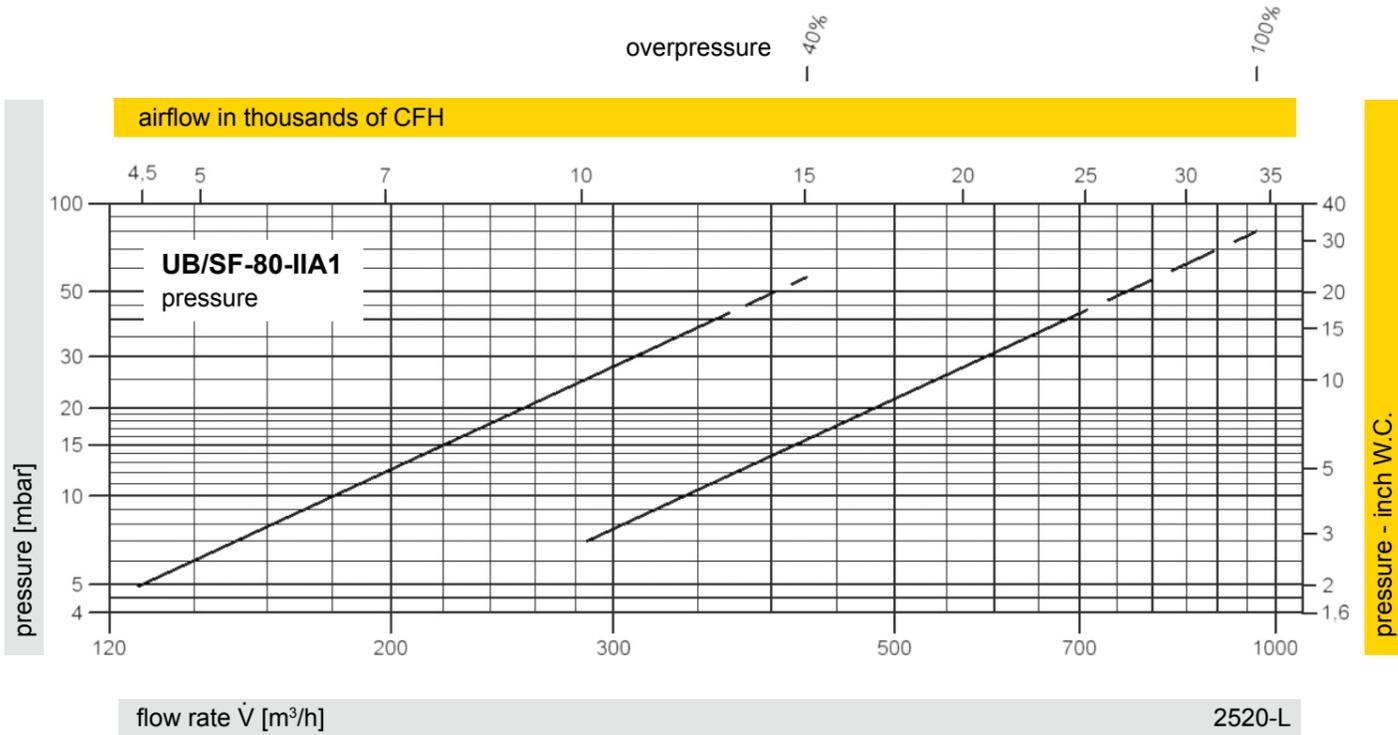


for safety and environment

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## Flow Capacity Charts

$$\text{set pressure} = \frac{\text{opening pressure resp. tank design pressure}}{1 + \frac{\text{overpressure \%}}{100\%}}$$



# Frost-Proof Pressure and Vacuum Diaphragm Valve for Biogas Plants Protective System as per ATEX Directive 2014/34/EU

## Flow Capacity Charts

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