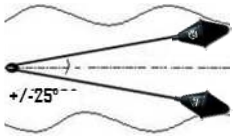
SOBA EX

TECHNICAL DATA SHEET

FLOAT LEVEL REGULATOR
Ballasted on the cable

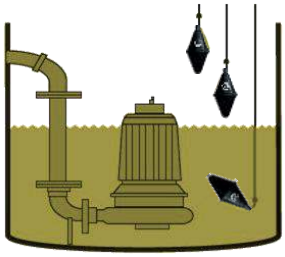


SWITCHING ANGLE

For automatic regulation with several devices

ATEX CERTIFIED

ATEX Marketing Code - CE 0081 **II 1 GD Ex ia IIC T6 Ga Ex ta IIIC T70°C Da IP68**



USE - VR – Emptying / Filling

Diameter : 92 mm

APPLICATIONS

- Same applications as the SOBA HR HY model. However, it is especially designed for working in explosive gas areas : solvents, hydrocarbons, alcohols, chemical and pharmaceutical products (please, refer to the SOBA HR HY technical sheet)

TECHNICAL CHARACTERISTICS

Operation mode	Omnidirectional
Allowed fluid density	0,80 to 1,10
Maximum pressure	4 bars
Maximum temperature	Ta: from -20°C to +70°C / idem for storage
Protection index	IP 68 □
Electric characteristics	24 VAC/VDC –10 mA or 12 VAC/VDC–100mA
Cut-out power	10(4) A /Protection with an intrinsic safetyrelay
Housing material	Copolymer polypropylene + HR HY vulcanized
Cable 3 conductors 1 mm²	HR HY
Float weight without cable	300 g
Cable weight	HR HY 110 g/m
Ballast type	loaded resin 250 g
Standard cable length (series)	5, 6, 10, 13, 15, 20, 25 and 30 m

WIRING

Emptying

Filling

Please, refer to the connection diagram enclosed to each float delivered

Distributed by: PVL Ltd - Jarvis Brook, Crowborough, East Sussex, TN6 2NQ, UK
T: +44 (0)1892 664499 **F:** +44(0)1892 663690 **E:** sales@pvl.co.uk **W:** www.pvl.co.uk

SOBA EX

TECHNICAL DATA SHEET

FLOAT LEVEL REGULATOR Ballasted on the cable

For automatic regulation with several devices

ATEX CERTIFIED

ATEX Marketing Code - CE 0081 **II 1 GD Ex ia IIC T6 Ga Ex ta IIIC T70°C Da IP68**

ATEX CERTIFICATION – WHAT YOU SHOULD KNOW

It is important to know that the level regulation devices certified ATEX are compulsory in the main pumping stations, granular silos and some pulverulent materials storage facilities. It is also important to know that only the user can define, before the installation, if it deals or not with a pumping station or a silo with explosive risks. The atmosphere is classified 0, 1, 2 for gas and 20, 21, 22 for dusts. So, it is highly recommended taking no risks in this situation as it can trigger **disastrous consequences.**

PROTECTION - The SOBA EX are designed and certified for use in hazardous areas classified 0, 1, 2 (gas) and 20, 21, 22 (dusts).
They are conform to the following standards:

- EN 60079-0 (2012)
- EN 60079-11 (2012)
- EN 60079-31 (2009)
- Particularly explosive areas of gas (IIC group) and dusts (IIIC group).

Certified LCIE 00 ATEX 6003 X according to the Directive 94/9/CE

CONNECTION - BE CAREFUL ! The non-respect of the following instructions can have serious consequences. These floats must only be connected to an intrinsically safe associated apparatus certified type. Such apparatus must be compatible with the intrinsic security instructions and must not exceed the floats electric characteristics values mentioned on the technical sheet n°1. The non respect of that would trigger the destruction of the microswitches gold plated contacts. All connections must be performed according to the Low Voltage Directive and Intrinsic Safety instructions.

$L_i \leq 2\mu H$ and $C_i \leq 203$ pF with 2 m cable length (Lineic inductance: 0.36 mH (Millihenry)/km divisible by 1000 for a value in meter). $U_o \leq 30V$, $I_o \leq 100$ mA, $P_o \leq 0.75$ W (associated intrinsically safe)

IMPORTANT- A use which is not specified by the constructor or a non competent authority intervention can damage the working of these devices and trigger serious consequences. The manufacturer denies all responsibility if the user does not respect the rules in relation with the protections against sanitary, fire and explosion risks..

PRODUCT FOLLOW-UP – The number of the series and the year of production appear on each device delivered.

AT YOUR DISPOSAL - LCIE 00 ATEX 6003X. Information about the intrinsic safety relays. Connection diagrams…

Distributed by: PVL Ltd - Jarvis Brook, Crowborough, East Sussex, TN6 2NQ, UK
T: +44 (0)1892 664499 **F:** +44(0)1892 663690 **E:** sales@pvl.co.uk **W:** www.pvl.co.uk