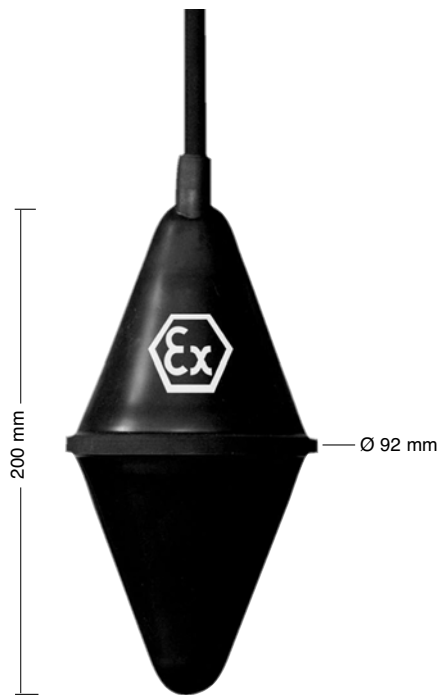


# Float level regulators for EEx zones SSX



- ATEX certification  
II I G EEx ia IIC T6 IP6X T° 70°C
- Zones 0, 1, 2 (gas)
- For aggressive liquids

## TECHNICAL FEATURES

Operation mode:	Omni-directional
Allowed fluid density:	0,80 to 1,10
Maximal pressure:	4 bar
Service T° & storage:	T6 i.e. from - 20° to + 70° C
Protection index:	IP 6X
Power supply:	24 V AC / V DC – 10 mA 12 V AC / V DC – 100 mA

**To be connected to:** **intrinsic safety amplifier relay, ATEX certified only**

Reverser microswitch: Gold plated contacts  
Shell: Biconical - copolymer polypropylene + HR-HY (HYPALON)

Standardized cable: HR-HY (HYPALON) H07RN8-F  
3 wires x 1 mm<sup>2</sup>

Weights: Float = 300 g - Cable = 110 g/m  
Adjustable ballast on cable: Loaded resin 250 g (included)  
Standard cable lengths: 5 & 10 m (other on request)

**For use in potentially explosive areas classified 0, 1 and 2 (gas), in conformity with standards:**

- EN 50014 (1992) - NF EN 50014 (1993) - EN 50281-1-1 (1998)
- EN 50281-1-2 (1998) - EN 50020 (1994) - NF EN 50020 (1995)
- Highly explosive zones EEx ia Group IIC

Certification: LCIE 00 ATEX 6003 X of 15/February/according to directive 94/9/CE.

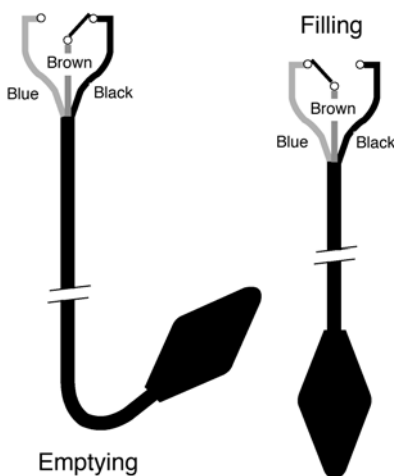
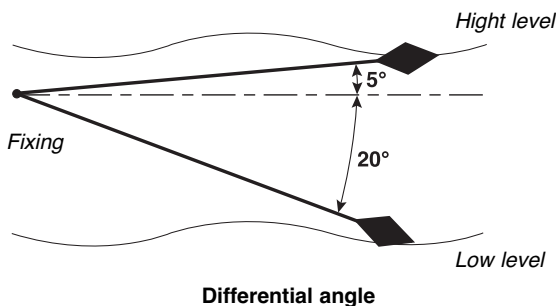
**CONNECTION for EEx zone 0,1 and 2, absolute necessity to use an intrinsic safety amplifier relay with ATEX certification, which must not exceed:**

$L_i \leq 2 \mu\text{H}$  et  $C_i \leq 203 \mu\text{F}$  with 2 m of cable length  
 $U_0 \leq 30 \text{ V}$  -  $I_0 \leq 100 \text{ mA}$  -  $P_0 \leq 0,75 \text{ W}$

No respect of these limits will destroy the gold plated contacts.  
All connections will be performed according to the Low Voltage Directive and Intrinsic Safety instructions.

## CODES NUMBER AND REFERENCES

Code	Reference	Designation
521 105	SSX 5	SSX 5 HYP, cable length 5 m, with ballast
521 110	SSX 10	SSX 5 HYP, cable length 10 m, with ballast



# BAMO MESURES

22, Rue de la Voie des Bans - Z.I. de la Gare - 95100 ARGENTEUIL  
Tél : (+33) 01 30 25 83 20 - Web : [www.bamo.fr](http://www.bamo.fr)  
Fax : (+33) 01 34 10 16 05 - E-mail : [info@bamo.fr](mailto:info@bamo.fr)

Float level regulators  
for EEx zones

## SSX

08-12-2008

521 I1 01 F

## NIV

521-01/1