



**SANITARY APPLICATIONS**

**Pharma, Biotech & cosmetics**

Gelatin capsules

Enzymatic reaction control

Skincare, lotions, toothpastes

**Food & Beverage**

Concentration (dry extract, water content)

Spray drying (powdered milk)

Cooking (melted cheese)

Phase detection

Fermentation

Emulsions, sauces, starches, gels, pastes, oils...

**HOW TO ENSURE CONSTANT PRODUCT QUALITY AND PRODUCT SAFETY IN SANITARY APPLICATIONS?**

Texture, consistency, enzymatic power, concentration and dry extract are **common viscosity correlations** used in bio, pharma, food and beverage industries. As viscosity changes the flow properties of a liquid, influences the appearance and the consistency of a product, **viscosity measurement is essential in most production stages.**

Whether in the food or the pharmaceuticals industry, the sanitary conditions must be fully respected. The sanitary design on equipment is required in any application where contamination is a risk.

**Manufacturers face numerous constraints:**

- To constantly monitor and prevent **product variations**
- To obtain a **better end-product quality** and consistency
- To improve hygienic design, enhancing cleanability **to decrease the risk** of biological, physical and chemical contamination
- To control and enhance product **safety for customers**

**SANITARY BEST SELLER SOLUTION**

- +** Viscosity sensor specially designed for sanitary environment (according to **3A specifications**) with no niche spaces
- +** Increased safety by **avoiding contamination and bacteria proliferation**
- +** Clean-in-place design (**CIP**), no need to uninstall it from the process
- +** Corrosion resistant (**316L SS**) and compatible with sanitizing procedures
- +** Many mounting positions to **avoid dead spaces**



**Key characteristics:**

Low influence of flow rate variations	Small sensor size and weight
High pressure capabilities	Robust and reliable
Sanitary and CIP design	Measures in any positions

## FEATURES & SPECIFICATIONS



**Viscosity sensor**



**9200 transmitter**

Typical Full Scale Range: 1000 cP\*

Temperature: up to 200°C\*

Pressure: up to 60 bar\*

Material: 316L SS (electropolish in option)

Ingress Protection: IP67

316L SS tri-clamp mounting flange (2'')\*\*

Viscosity transmitter

2-line alphanumeric backlighting LCD screen

1 x 4-20 mA output

Operating temperature: 0-40°C

Panel-mount type

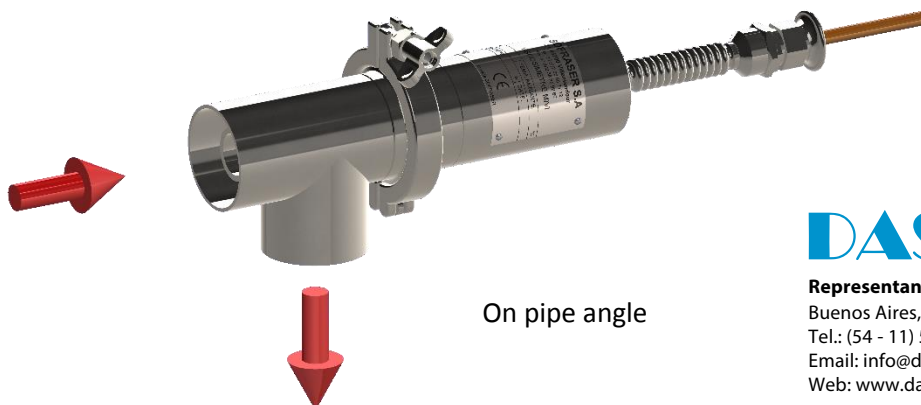
Cf technical datasheet 256

Cf technical datasheet 358

\* Other available on demand

\*\* Seals with FDA certificate on request

## MAIN MOUNTINGS



On pipe angle

**DASTEC S.R.L.**

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Any questions or specific needs regarding other viscosity solutions?  
 Let us help you find the best match for your process by **contacting us** at:  
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