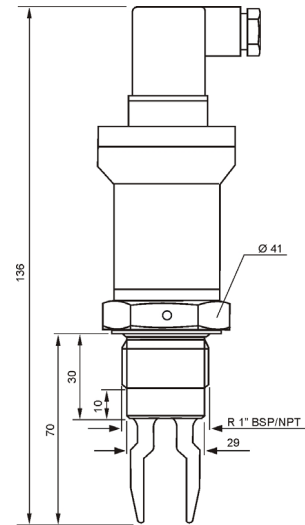


CNV 60

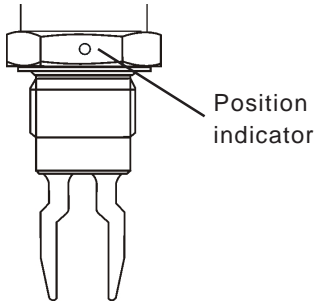


VIBRATING LEVEL SENSOR



Function	Detector by vibration
Difference	Vibrating diapason system
Operating principle	The electronic circuit works over a piezo-electrical system, which makes the diapason vibrate to its natural frequency. The change of frequency in the presence of a liquid or of amplitude in the presence of a solid, is detected by the control circuit, which changes the state of the output signal.
Material	SS AISI316 (Other materials on request)
Consumption	6 mA while resting
Supply voltage	2 wires: 24-250 VAC - Maximum load 350 mA 3 wires: 10-55 VDC - Maximum load 350 mA
Hysteresis	± 2 mm (H ₂ O)
Commutation time	< 1 s
Attachment	Nipple 1"G (Other types on request: DIN DN32 and Clamp flanges, etc.)
Operating temperature	Atmosphere: -20 °C +70 °C Product: -30 °C +115 °C
Operating pressure	16 bar (On request, up to 400 bar)
Viscosity	Up to 10.000 cSt.
Density	> 0,6 kg / l
Weight (gr)	288
Connexion	DIN 43650-A connector
Protection	IP65
Detection length	Standard, 70 mm (Other lengths on request, maximum 6000 mm)

CNV 60

Installation	<p>The CNV60 detector can operate in any position: horizontal, vertical or inclined. If it is installed in an horizontal position, it is advisable to place the paddles in a vertical position in order to avoid depositions, mainly when working with high viscosity materials. When it is required to know the paddles position, there is a circled mark on the detector that must be placed looking upwards or downwards.</p>	
Cable position	<p>It is advisable that the output of the connector cable is downwards. If necessary, the inner part of the connector can turn 90°, 180° o 270°.</p>	
Two-colour led indication	<p>Activated output: Green colour Deactivated output: Red colour</p>	
Special preventions	<p>In the AC model, the supply voltage should not be applied without connecting the load since this could result in damaging irremediably the electronic circuit.</p>	
Other characteristics	<ul style="list-style-type: none"> · Without movile pieces · No mantainance 	
Applications	<ul style="list-style-type: none"> · Control in pumping circuits · Closed or opened tanks · Opened chanel · Distillation columns · Desgasificators · Middle tanks for dosing 	

