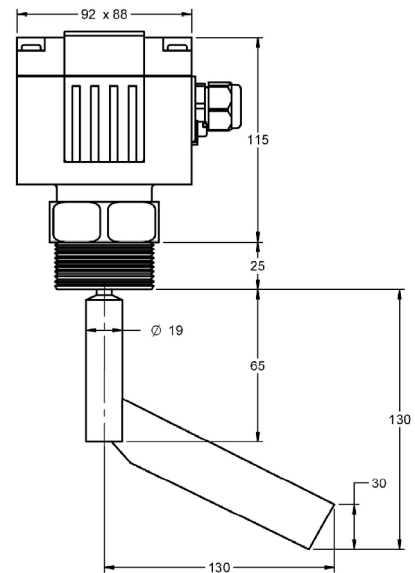
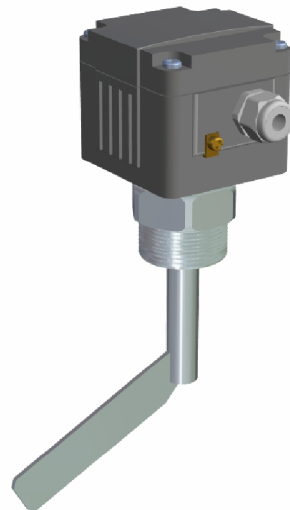


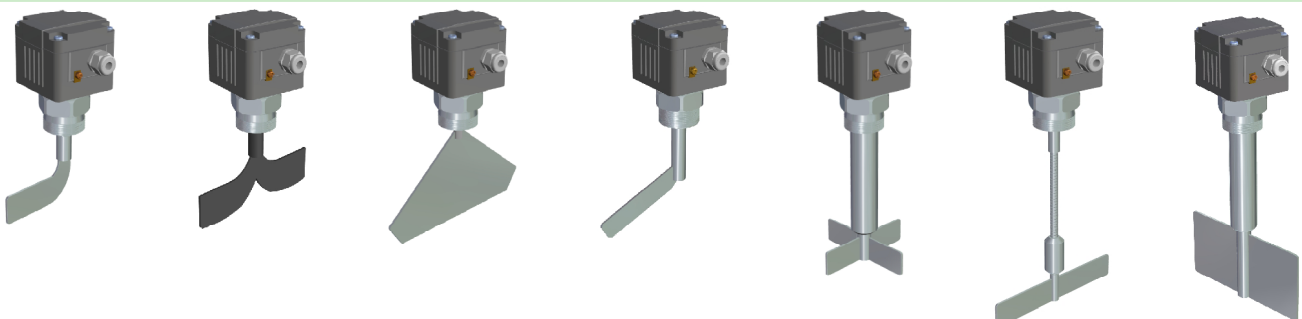
CNPR-D - CNPR-M - CNPR-D Ex



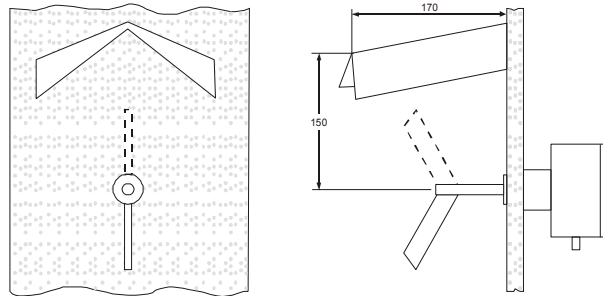
LEVEL SWITCH BY ROTARY PADDLE



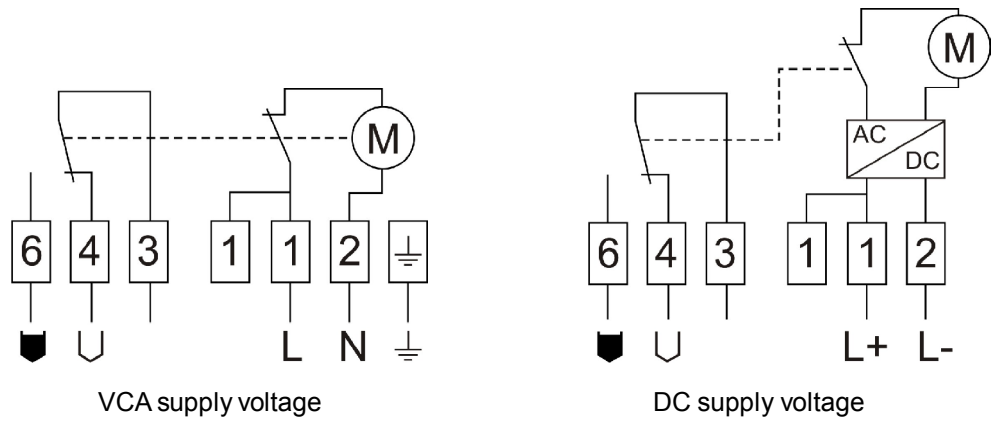
Function	Level control in powdery products, granulates and materials in bulk with a maximum grain of 15 mm.
Operating principle	It is based in a synchronous motor reducer of slow speed which makes the paddle turning continuously. When the product reaches the paddle a spin resistance is produced and two micro-switches operate: the first one stops the motor and the other one switches the output contacts. When the paddle gets free of product, the motor reducer by means of a spring, recover the spin speed and releases the micro-switch.
Body and cover	Injected aluminium. RAL7001 covering.
Attachment	According DIN/ISO 228: Standar 1"1/4G Aluminium. Optional, 1" G (CNPR-M), 1"1/2 (Aluminium or SS).
Flanges	A-110, AC, H-200, DN32, DN100. In aluminium or SS.
Paddles	Large number of types. In stainless steel or plastic, according to the model.
Axis close	Hermetic sealed to the humidity and dust by means of a special retainer made in NBR (pressure, 1 bar). On request, made in Teflon, Viton or SS (pressure, 5 bar).
Cables input	Two threaded holes, M20.
Protection	IP66. Optional ATEX
Temperature	-20..+350°C, according model.
Adjustable head	Once the unit is assembled, the head can turn 360° on its own axis.
Sensibility	Adjustable in three positions according to the density of the product to be controlled.
Supply voltage	220~240 VAC 50/60Hz 110~120 VAC 50/60Hz 48 VAC 50/60Hz 24 VAC 50/60Hz 24 VDC
Consumption	AC 3 VA / DC 3Ω
Speed	1 or 5 RPM, depending on model.
Output contact	SPDT micro-switch from 1mA/4VAC up to 2A/250VAC



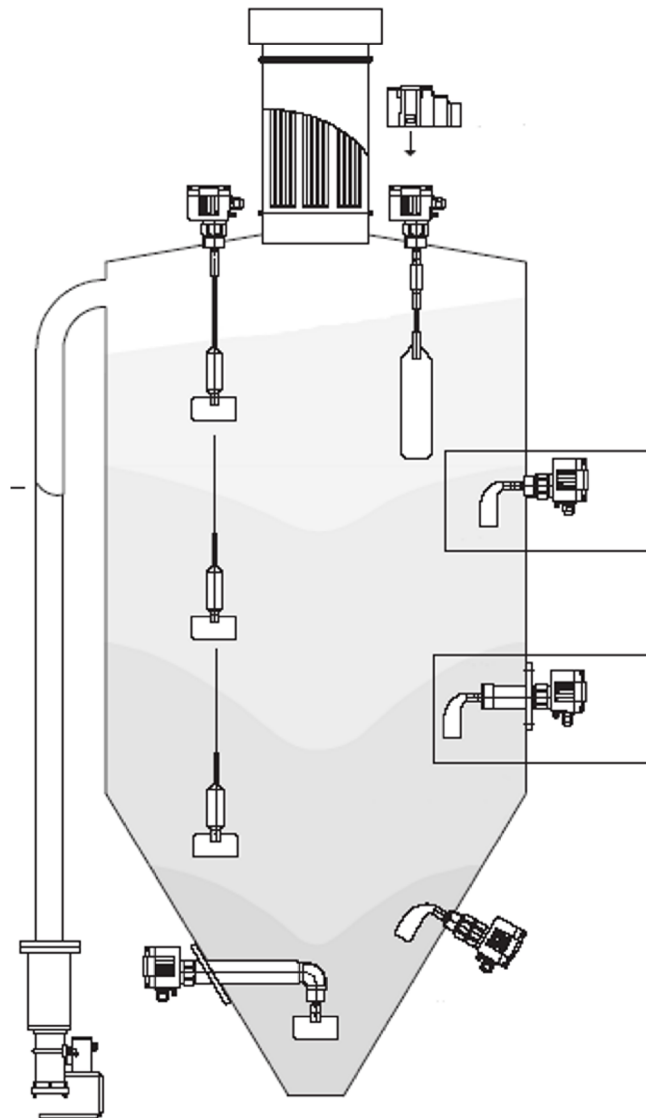
Placement The rotary paddle must be placed in such a position that the product entering to the tank can reach the paddle when the tank is becoming fill and get the paddle free when the tank is emptying.
 It must be avoid the direct falling of the product over the paddle.
 When the flow of the entering material could hit on the paddle, is suggested to protect it with a cover. It is also advisable to protect the paddle in low and medium levels, when materials with desities up to 600 Kg/m³ could reach 5 meters high over the paddle. This height must be reduced proportionally if the density of the product becomes higher.



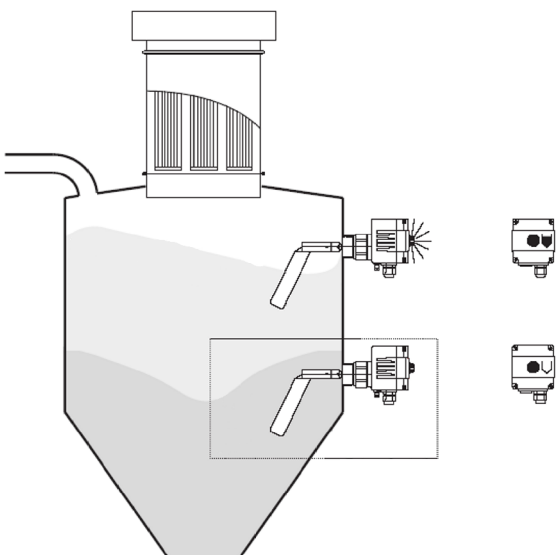
Connection The electrical connections must be done as shown in the schema.
 The terminals at left belongs to the output micro-switch when the paddle is turning.
 Check that the supply voltage is the same than the one specified in the pc board circuit.
 The motor must be powered permanently while the equipment is in operation. The motor releases automatically when the paddles got stopped.



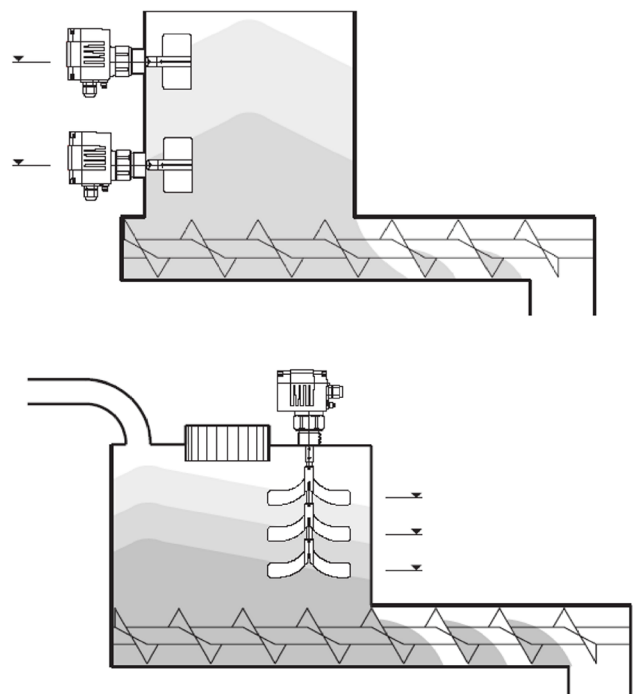
Filling with pneumatic conveyor



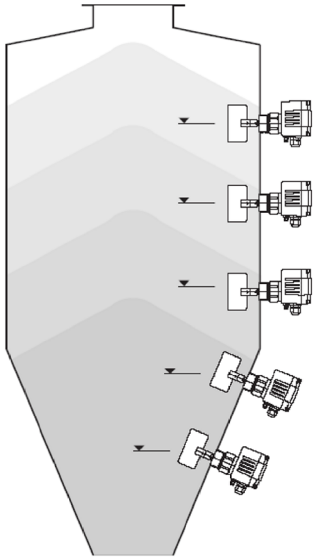
Storage server, control daily service



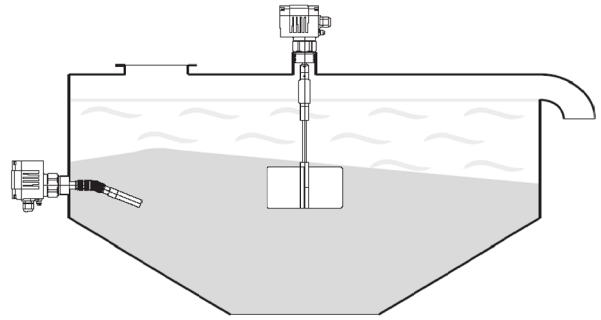
Dosing equipments



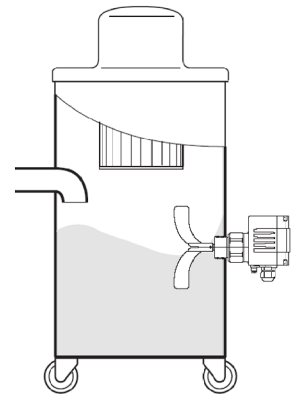
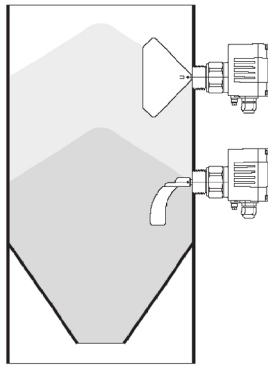
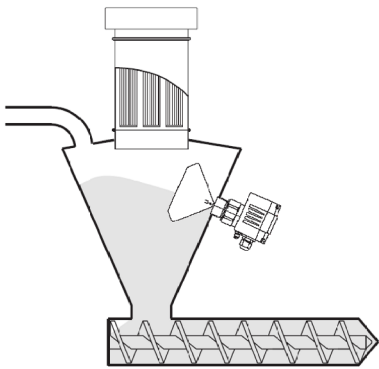
Indication multiples of filling level



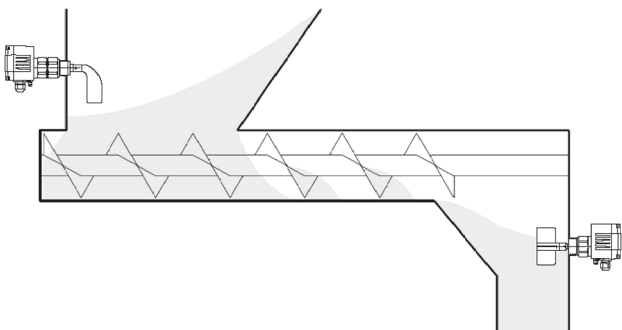
Solids in liquids



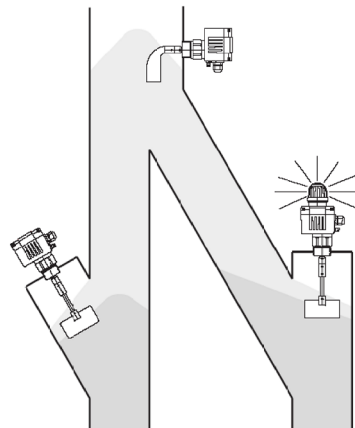
Hoppers, containers, industrial vacuums



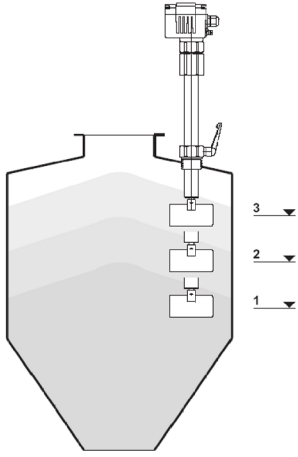
Transporter screw



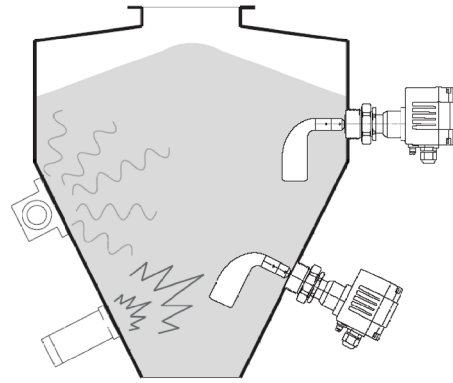
Discharge pipes



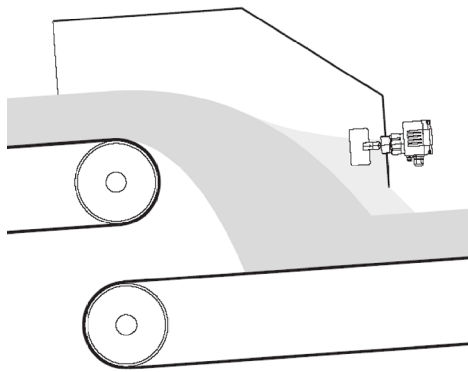
Level adjustment



Vibration dampings



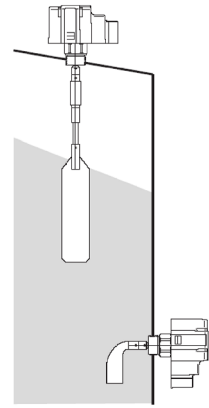
Band conveyor



Vertical discharge pipe



Protection hood



Accessories

