



RFnivo[®] 3000

Capacitive level limit switch

Capacitive limit detection for nearly all types of bulk material.
Certified for hazardous locations.



RFnivo® 3000



- Quick and easy setup with automatic calibration
- Maintenance free: Active Shield Technology against material build-up ensures high functional safety
- Suitable for use in applications with high pressure - up to 25bar and with temperatures of up to 500°C

Applications: RFnivo® 3000 is certified for all bulk solids applications such as flour, grain, sugar, cement, granulate, carbon black and also for slurry and liquids.

RF 3100 Standard

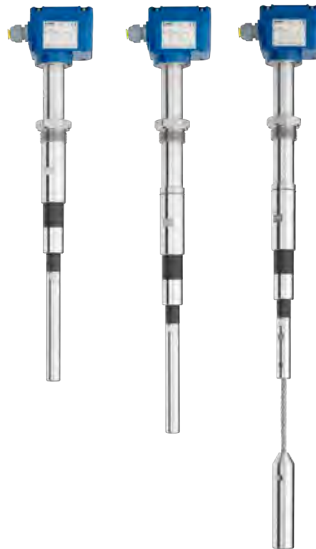
Full, demand, empty detector
Vertical, horizontal and oblique installation



RF 3100 version with PFA coating available

RF 3200 Heavy Duty

Full, demand, empty detector
Vertical, horizontal and oblique installation



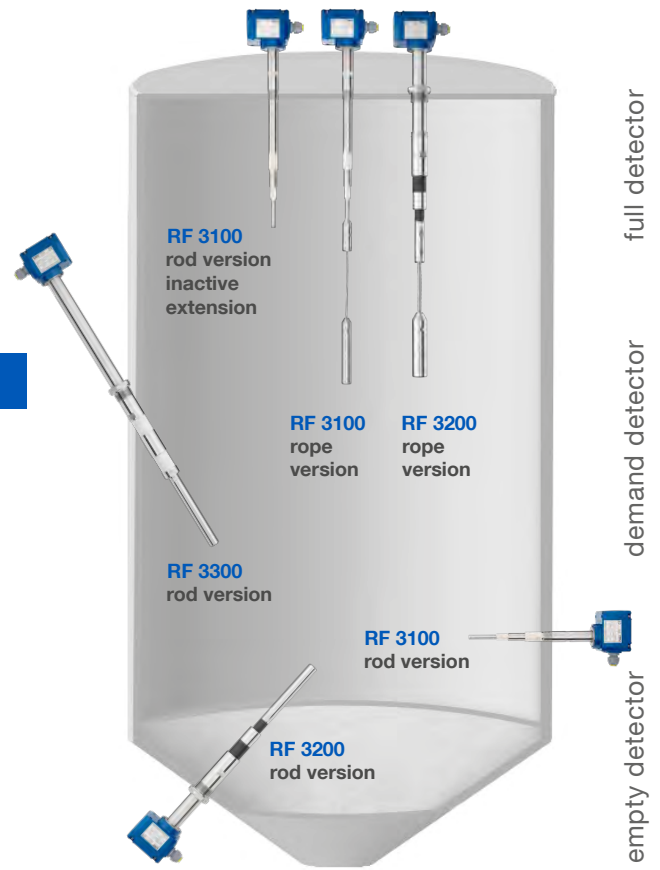
RF 3300 High Temperature

Full, demand, empty detector
Vertical, horizontal and oblique installation



Remote Version

Full, demand, empty detector
Vertical, horizontal and oblique installation, ie for applications with vibration



Housing types

RF 3000 standard



RF 3000 flameproof



RF 3000 flameproof, increased safety



Technical Data

Housing	Aluminium IP 67, NEMA Type 4X
Versions with certificates	ATEX II 1/2D, II 2G Ex d, II 2G Ex de IEC-Ex ia/tb IIIC Da/Db, d IIC Gb, de IIC Gb FM Cl. I, II, III Div.1 TR-CU, EHEDG
Process temperature	-40°C to +500°C (-40°F to +932°F)
Pressure	-1 .. +25 bar (-14.5 .. +363 psi)
Sensitivity	DK value > 1.5
Supply voltage	21.. 230V AC/21..230V DC Relay DPDT
Process connection	M30, M32, G ¾", G 1", G 1½" NPT ¾", NPT 1", NPT 1¼", NPT 1½"
Material probe	1.4301 (SS304) / 1.4305 (SS303) or 1.4404 (SS316L); Isolation PPS or ceramic FDA and 1935/2004 EC conform