



	VEGAPULS C 11	VEGAPULS C 21	VEGAPULS C 22	VEGAPULS C 23	VEGAPULS11	VEGAPULS21	VEGAPULS31
Applications in liquids and bulk solids	Water treatment, pumping stations, storm-water overflow basins, level monitoring	Flow measurement in open channels, level monitoring, water treatment, pumping stations, storm-water overflow facilities			Water treatment, storage tanks in all areas of industry, plastic tanks (measurement through the tank wall)		
Measuring range	8 m	15 m	15 m	30 m	8 m	15 m	15 m
Antenna	Integrated plastic horn antenna of PVDF						
Process fitting	Thread G1½, 1½ NPT			–	Thread G1½, 1½ NPT		
Mounting connection	Thread G1, 1 NPT		Adapter for ceiling mounting	Thread G1, 1 NPT	–	–	–
Process temperature	-40 ... +60 °C	-40 ... +80 °C			-40 ... +60 °C	-40 ... +80 °C	
Process pressure	-1 ... +3 bar (-100 ... +300 kPa)						
Measuring accuracy	±5 mm	±2 mm			±5 mm	±2 mm	
Frequency range	W-Band, 80 GHz						
Beam angle	8°	8°	8°	4°	8°	8°	8°
Signal output: 4 ... 20 mA	√	√	√	√	√	√	√
4 ... 20 mA/HART	–	√	√	√	–	√	√
Modbus	–	√	√	√	–	–	–
SDI-12	–	√	√	√	–	–	–
Integrated local indication	–	–	–	–	–	–	√
Wireless adjustment	√	√	√	√	√	√	√
Explosion protection	–	√	√	√	–	√	√
Protection rating	IP66/IP68, Type 6P				IP66/IP67, Type 4X		
Approvals	–	Gas Ex: Intrinsic safety for Zone 0/1/2, encapsulation for Zone 1/2; dust Ex: Zone 20/21/22			–	Gas Ex: Intrinsically safe Zone 0/1/2	
Delivery time	Detailed information on delivery times can be found in the configurator in the web shop at www.vega.com						