

# TURBINE METER RQ UST



## MAIN CHARACTERISTICS

Product Type:	indirect volumetric meter
Application:	for liquids up to a viscosity of approx. 30 mPa·s
Measuring accuracy:	up to ± 0.15 % (1:10) of measured value (with inlet and outlet)
Ex-approval:	Zone 1
Process temperature:	-196°C / -40°C up to 120°C / 250°C
Process pressure:	up to 100 bar
Housing material:	stainless steel, cast steel, Hastelloy
Wetted parts:	stainless steel, sapphire or tungsten carbide bearing
Power supply:	24 VDC (2-wire technology)
Process supply / Display:	4-20 mA / HART®, pulse output acc. to NAMUR / LCD-Display
Process connection:	Flange acc. to DIN or ANSI
Special features:	low pressure loss, high resolution design according to NACE MR 0175, 10-point linearization

## MEASURING RANGE

Nominal size	m³/h	Pulses			Inlet pipe section mm	Outlet pipe section mm
		Pulses/n	Pulses/l	Hz <sub>max</sub>		
DN15 / ½"	0.6 - 6	4	~310	517	180 (12xDN)	160
DN25 / 1"	1.8 - 18	4	~105	525	240 (12xDN)	160
DN40 / 1½"	4.2 - 42	4	~22	257	400	200
DN50 / 2"	7.2 - 72	4	~12.4	248	500	250
DN65 / 2½"	12 - 120	4	~6	200	650	325
DN80 / 3"	18 - 180	12	~15	750	800	400
DN100 / 4"	30 - 300	10	~6	500	1000	500
DN150 / 6"	60 - 600	18	~3.4	567	1500	750
DN200 / 8"	120 - 1200	24	~1.84	613	2000	1000
DN250 / 10"	180 - 1800	40	~1.24	600	2500	1250
DN300 / 12"	240 - 2400	44	~0.78	520	3000	1500

## SUPPLY

24 VDC (min. 14 VDC / max. 30 VDC)

## OUTPUT SIGNALS

4-20 mA / HART®, connection: 2-wire technology  
or current pulses without HART®, connection: 2-wire technology  
Separate original or scaled NAMUR pulse output

Further information and product variants are available on request

