



## QUANTIMETERS / FLOW METERS WITH MECHANICAL OR ELECTRONIC NUMERATOR

Model QA and QAe

### Product informations

**QA**, flow meters with mechanical (QA) or electronic numerator (QAe) very safe for the wide range of flow rates and for the different needs of companies, the operation is based on the principle of the turbine, the rotation of the impeller is proportional to the volume of the gas flow and is recorded using a mechanical or electronic numerator. The self-lubricating bearings guarantee perfect maintenance-free operation of the Quantometer, while the Quantimeter itself can be installed very easily, as it can be mounted in any position (horizontal, vertical, etc.). The direction of flow is indicated on the meter body with an arrow.

### Product features

- in production and heating processes, the quantometers allow precise control and optimization of energy
- compact gas meter
- does not require maintenance
- instant flow rate
- high resolution volume (decimal)
- measurement ratio up to 1:20
- overload up to 160% of the maximum capacity
- within a wide measuring range the accuracy is independent of the physical characteristics of the gas such as density, pressure and temperature



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### Applications

- gas type: methane, city gas, natural gas, not corrosive gases, inert gases and oxygen
- fields of application: chemical, food, petrochemical, district heating and power generation industries
- tasks: measurement, control, regulation and recording

### Technical Features

<b>SIZE</b>	QA/E 10 - QA/E 1000
<b>FLOW RATES</b>	1,6 - 1600 M <sup>3</sup> /H
<b>NOMINAL DIAMETERS</b>	DN25 - DN150
<b>BODY MATERIAL</b>	ALUMINUM
<b>MODEL QA</b>	7 POSITION MECHANICAL NUMERATOR
<b>MODEL QAE</b>	6 DIGIT LCD INDICATOR FOR: <ul style="list-style-type: none"> <li>• EXERCISE VOLUME</li> <li>• VOLUME ON THE SET DATE</li> <li>• DATE SET</li> </ul>
<b>GAS TEMPERATURE</b>	- 10°C ÷ + 60°C
<b>INSTANT CAPACITY</b>	<ul style="list-style-type: none"> <li>• HIGH RESOLUTION VOLUME (DECIMAL)</li> <li>• MEASUREMENT RATIO UP TO 1:20</li> <li>• OVERLOAD UP TO 160% OF THE MAXIMUM CAPACITY</li> <li>• WITHIN A WIDE MEASURING RANGE THE PRESSURE IS INDEPENDENT OF THE PHYSICAL CHARACTERISTICS OF THE GAS SUCH AS DENSITY, PRESSURE AND TEMPERATURE</li> </ul>



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<b>PROTECTION CLASS</b>	<ul style="list-style-type: none"> <li>• <b>QA MODEL: IP52</b> (PROTECTED AGAINST DRIPPING WATER AT AN ANGLE WITHIN <math>\pm 15^\circ</math> AND PROTECTED AGAINST DUST, SUCH THAT IT DOES NOT INTERFERE WITH THE OPERATION OF THE DEVICE)</li> <li>• <b>QAE MODEL: IP44</b> (PROTECTED AGAINST SPLASHING WATER FROM ANY DIRECTION AND PROTECTED AGAINST THE INGRESS OF SOLID OBJECTS LARGER THAN 1 MM)</li> </ul>
<b>INTERFACE / OUTPUTS</b>	<ul style="list-style-type: none"> <li>• QA REED CONTACT E1</li> <li>• QA/QAE EXIT NAMUR E 200 (ACCORDING TO EN50227)</li> <li>• QAE OPTICAL INTERFACE (EN 1434 - ZVEI COMPATIBLE)</li> <li>• M-BUS INTERFACE (EN 14349)</li> </ul>

<b>MODEL</b>	<b>QA/10 - QA/40 - GI</b>	<b>QA/10 - QA/40 - GI</b>	<b>QA/65 - QA/1000 - Z I</b>
<b>COMBUSTIBLE GASES</b>	4 BAR	4 BAR	20 BAR (QAE 4 BAR)
<b>MEDIUM / MAXIMUM PRESSURE</b>	16 BAR	16 BAR	-



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MODEL	QA/10- QA/40 - GI	QA/10- QA/40 - GI	QA/65- QA/1000 - Z I
<b>FLOW RATE M<sup>3</sup>/H</b>	<ul style="list-style-type: none"> <li>• QA/10 DN25: 1.6 - 16</li> <li>• QA/16 DN25: 2 - 25</li> <li>• QA/25 DN25: 2.5 - 40</li> <li>• QA/40 DN 25: 3.3 - 65</li> </ul>	QA/E 40 DN25: 3.3 - 65	<ul style="list-style-type: none"> <li>• QA/E 65 DN50: 6 - 100</li> <li>• QA/E 100 DN80: 10 - 160</li> <li>• QA/E 160 DN80: 13 - 250</li> <li>• QA/E 250 DN80: 20 - 400</li> <li>• QA/E 250 DN100: 20 - 400</li> <li>• QA/E 400 DN100: 32 - 650</li> </ul>
<b>NOMINAL DIAMETER</b>	25	40	50 - 80 - 100 - 150
<b>OUTPUTS / VALUES PULSES</b>	10 IMP/ 500 IMP/M <sup>3</sup>	250 IMP/M <sup>3</sup>	<ul style="list-style-type: none"> <li>• QA 65: 250 IMP/M<sup>3</sup></li> <li>• QA 100 - 650: 187.5 IMP/M<sup>3</sup></li> <li>• QA/E 100 - 1000: 187.5 IMP/M<sup>3</sup></li> </ul>

SKU	MODEL	PRICE
00000050660	QUANTOMETER WITH MECHANICAL NUMERATOR - QA/10 DN25 MODEL	€2560.0 VAT EXCLUDED



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00000050661	QUANTOMETER WITH MECHANICAL NUMERATOR - QA/16 DN25 MODEL	€2560.0 VAT EXCLUDED
00000050662	QUANTOMETER WITH MECHANICAL NUMERATOR - QA/25 DN25 MODEL	€2560.0 VAT EXCLUDED
00000050663	QUANTOMETER WITH MECHANICAL NUMERATOR - QA/40 DN25 MODEL	€2560.0 VAT EXCLUDED
00000050664	QUANTOMETER WITH MECHANICAL NUMERATOR - QA/65 DN50 MODEL	€3560.0 VAT EXCLUDED
00000050665	QUANTOMETER WITH MECHANICAL NUMERATOR - QA/100 DN80 MODEL	€4400.0 VAT EXCLUDED
00000050666	QUANTOMETER WITH MECHANICAL NUMERATOR - QA/160 DN80 MODEL	€4400.0 VAT EXCLUDED
00000050667	QUANTOMETER WITH MECHANICAL NUMERATOR - QA/250 DN80 MODEL	€4400.0 VAT EXCLUDED
00000050668	QUANTOMETER WITH MECHANICAL NUMERATOR - QA/250 DN100 MODEL	€5080.0 VAT EXCLUDED
00000050669	QUANTOMETER WITH MECHANICAL NUMERATOR - QA/400 DN100 MODEL	€5080.0 VAT EXCLUDED

