



ROBUST HIGH QUALITY FLOW METERS

SWEDISH ENGINEERING SINCE 1947

PRODUCT OVERVIEW



S-Series

V-Series

D-Series

R-Series

M-Series

SP-G

SP-GA

PR1

Eletta Flow AB was founded in 1947 with a vision to provide innovative flow measurement solutions for various industries. Since then we have been at the forefront of the industry, constantly pushing the boundaries and setting new standards. Eletta flowmeters are well known for their extreme reliability in critical applications. Some have worked perfectly and are still in use for more than 50 years. Planned obsolescence is a non-existent concept at Eletta.

The products are developed with a focus on...

- **Quality**
- **Durability**
- **Reliability**
- **Longevity**

Our solutions are tailored to improve process control and increase efficiency in a variety of applications. Eletta Flow is represented in almost 40 countries around the world and we are a growing global organization with employees and subsidiaries in Sweden, Germany, France, China and India, Indonesia and the USA.

Industrial segment

- Pulp and Paper
- Nuclear energy
- Particle accelerator
- Foundries
- Steel industry
- Cement industry
- Medical equipment
- Chemical industry
- Mining industry
- Thermal power plants
- Hydroelectric power plants
- Car industry

Main application tones

- Cooling water circuits
- Lubricating oil circuits
- Gas flow
- Steam flow

Benefits as a customer

- **Improved efficiency:** You can reduce waste, optimise the use of raw materials and energy, and ensure your system operates at peak performance. Reduce costs by identifying and eliminating unnecessary waste.
- **Increased safety:** Our flowmeters help you monitor and protect your system from potential hazards. This ensures a high level of safety and reliability in your operations.
- **Accurate and reliable measurement:** You can be sure that you have accurate data to monitor and optimise your processes. Determine the consumption delivered to customers, such as water supply or energy consumption.
- **Customised solutions:** We understand that every customer has unique needs. We offer customised solutions that fit your processes and systems, ensuring you get the best results.
- **Expertise and support:** We have distributors over the whole world and are available to provide you with technical support and advice. We help you choose the right products.
- **ISO 9001 & ISO 14 001:** We meet the requirements for quality and environmental management systems for our operations. We continuously improve our environmental performance and objectives.



More information about our products and contact details can be found at www.eletta.com
You can also **build your product** and choose from different options and see the final result in 3D!



S-series S2 & S25 has a large, easy-to-read, custom dial 120 mm, which is linear to the flow. The dial is clearly visible even in a tough and dusty industrial environment. It has two adjustable microswitches that are independent of each other. They are adjustable within the measurement range and they can be set for high/high or high/low or low/low flow alarms, for example to protect equipment in refrigeration or lubricating oil systems. Is insensitive to magnetic fields.



- **Micro switch:** two adjustable SPDT micro switches, repeatability <2%
S02, S05 do not have microswitch but only show flow rate.
- **Switch rating:** max 15 A @ 480 VAC & 2 A @ 30 VDC
- **Pipe section:** brass, powder coated steel, stainless steel (other material on request)
- **Pipe sizes:** DN 15 - DN 50
- **Housing:** aluminum, stainless steel
- **Measuring range:** 1:2 or 1:5 turndown
- **IP class:** IP43 as standard, IP65 as option
- **Temperature spec:** dependent on configuration. Contact Eletta
- **Options:** Atex certified, High temperature, separate mounting, parallel mounting with M - Series and more!

V-series V1 & V15 is a very robust and reliable flow switch which is insensitive to magnetic fields. It has a micro-switch, which is adjustable within the measuring range and can be set to alarm at high or low flow, to protect equipment such as cooling water and lubricating oil circuits.



- **Micro switch:** one adjustable SPDT micro switches, repeatability <2%
- **Switch rating:** max 15 A @ 480 VAC & 2 A @ 30 VDC
- **Pipe section:** brass, powder coated steel, stainless steel (other material on request)
- **Pipe sizes:** DN 15 - DN 50
- **Housing:** aluminum, stainless steel
- **Measuring range:** 1:2 or 1:5 turndown
- **IP class:** IP65 as standard
- **Temperature spec:** dependent on configuration. Contact Eletta
- **Options:** Atex certified, Indication display, LED indicator as an option
High temperature, separate mounting, parallel mounting with M - Series

V-series V2 & V25 is a very robust and reliable flow monitor for harsh and dusty industrial environment. The compact design, appr. 60 % smaller than V1 and V15 series and allows installation in places with very limited space. The Monitor is insensitive to surrounding magnetic fields and it combines the long standing proven mechanical function with outstanding reliability.



- **Micro switch:** two adjustable SPDT micro switches
- **Switch rating:** AC Voltage: 4 A @ 250 VAC & Rating , DC Voltage: 5 A resistive, 2,5 A inductive @ 28 Vdc
- **Pipe section:** brass, powder-coated steel, stainless steel (other material on request)
- **Pipe sizes:** DN15 - DN50
- **Housing:** plastic
- **Measuring range:** 1:2 or 1:5 turndown
- **IP class:** IP43
- **Temperature spec:** dependent on configuration. Contact Eletta

D-series has a backlit digital display that can be rotated electronically. It has a 4-20 mA, HART, pulse or frequency output, the accuracy is $\pm 2\%$ F.S. (full scale) and it is not affected by static pressure. It can be installed both vertically and horizontally and offers zero-settable volume summation of the flow within the measuring range. You can simulate a flow before the meter is in operation.



- **Relays:** two adjustable alarm points
- **Relays rating:** 50VAC/DC max , 1 mA, 5 VDC min, 30 W max
- **Pipe section:** brass, powder coated steel, stainless steel (other material on request)
- **Pipe sizes:** DN15 - DN550
- **Housing:** aluminum, stainless steel
- **Measuring range:** 1:2 or 1:5 turndown
- **IP class:** IP65
- **Temperature spec:** dependent on configuration. Contact Eletta

R-series is a flow transmitter with 3 different variants we have, RH for HART, RS for Separate Electronics for areas of high magnetic interference like nuclear synchrotrons, and RC for same as RS but also having Ceramic connectors and potentiometer for nuclear radiation added to magnetic interference in the installation environment.



- **Pipe section:** brass, powder-coated steel, stainless-steel (other material on request)
- **Pipe sizes:** DN15 - DN550
- **Housing:** aluminum, stainless steel
- **Measuring range:** 1:2 or 1:5 turndown
- **IP class:** IP65
- **Temperature spec:** dependent on configuration. Contact Eletta

M-series M3 has two independent piezoresistive absolute pressure sensors that give you a compact flowmeter that can be used for three different functions: Gas flow measurement, Liquid flow measurement and Differential pressure measurement. M3 can measure most occurring gases and compensates for changes in pressure and temperature (mass flow measurement). Programmable with Eletta's flowcenter. 4-20 mA and Modbus output.



- **Micro switch:** Two piezoresistive absolute pressure sensors
- **Pipe section:** brass, powder coated steel, stainless steel (other material on request)
- **Pipe sizes:** DN15 - DN550
- **Housing:** plastic, stainless steel
- **Measuring range:** 1:10 turndown
- **IP class:** IP67
- **Pressure classes:** 10, 25, 50 bar
- **Temperature spec:** dependent on configuration. Contact Eletta
- **Optional:** loop-powered OLED 128*32 pixels display



SP-G is designed to fit small flow and line sizes. It works on the principle of variable flow area where the alarm switch point can be set at a very low flow and still the switch is capable of handling large flows without creating a large pressure drop. You can install it horizontal or vertically. Another feature is that the outlet can be rotated 90° or 180° with respect to the inlet. This gives you good alternatives in places where space is very limited.



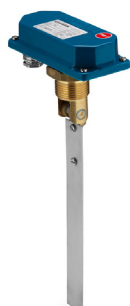
- **Micro switch:** mechanical SPDT
- **Switch rating:** max 10 A @ 250 VAC
- **Pipe section:** stainless steel
- **Pipe sizes:** DN15 - DN20
- **Housing:** aluminum, plastic
- **Flow range:** Max flow limited by pump capacity and acceptable pressure drop
- **Min-max switch point:** 1,5 l/min – 30 l/min
- **IP class:** IP43
- **Pressure classes:** PN 25
- **Temperature spec:** dependent on configuration. Contact Eletta
- **Options:** Atex certified

SP-GA Flow Switch is designed to give an initial alarm at a very low flow and still be capable of allowing a high full liquid flow passing through when pumps or valves are activated by the micro switch. The function is based on fluid flow activation only and therefore it is not affected by changes in static pressure. You have the possibility to chose a set point from 3 l/min up to 70 l/min. The set point is calibrated from factory and can be adjusted in field.



- **Micro switch:** mechanical SPDT
- **Switch rating:** max 10 A @ 250 VAC
- **Pipe section:** brass
- **Pipe sizes:** DN25 - DN40
- **Housing:** aluminum
- **Flow range:** 0-300 l/min
- **Min-max switch point:** 3 l/min – 70 l/min
- **IP class:** IP43
- **Pressure classes:** PN25
- **Temperature spec:** dependent on configuration. Contact Eletta

PR1 Paddle Switch is using the liquid flow to activate the spring supported paddle and the micro-switch to give an alarm if the flow stops or starts. The installation is simple as you can cut the paddle to the desired length on site according to the actual pipe size. The paddle aligns fully with the flow and creates a very small pressure drop. The function works only in one flow direction.



- **Micro switch:** mechanical SPDT
- **Switch rating:** 250 VAC 16 A
- **Pipe section:** brass, stainless steel
- **Pipe sizes:** DN50 – 250
- **Process connection:** 25 mm thread (1" BSP or NPT) (through pipe wall)
- **IP class:** IP 65
- **Pressure classes:** PN 25 bar
- **Temperature spec:** dependent on configuration. Contact Eletta
- **Length:** 200 mm - can be cut to the desired length

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