Electromagnetic flow meters

PRODUCT GUIDE · VALVES-17

Electromagnetic flow meters measure suitable electrically conductive liquids. Designs include inline meters and insertion sensors installed in matching pipe fittings.

Application

Water, wastewater and compatible process-liquid measurement.

Bürkert Type 8045 — electromagnetic insertion flowmeter

Measurement	Electromagnetic insertion sensor; no moving sensor parts
Reference sensor option	316L stainless steel
Installation fitting	Bürkert Type S020
Sensor connections	G2; clamp variant also documented
Pipe range with G2 sensor	DN6–DN400 using the appropriate S020 fitting
Minimum conductivity	Greater than 20 µS/cm
Flow velocity range	0.2–10 m/s
Outputs	4–20 mA and digital pulse; relay options vary by article
Supply	18–36 V DC, regulated; maximum 35 V DC outdoors or in humid locations
Stainless sensor limits	Up to PN16 and −15 to +110°C, subject to fitting and pressure-temperature limits

Reference configuration only. Specifications apply to the named supplier series or model; the offered item and suitability are confirmed with the quotation. This is an insertion meter reference, not a flanged full-bore meter. The fitting, seals and output configuration require separate selection.

Details to include in your enquiry

Liquid conductivity and composition · Pipe size, flow range and liner · Power, output signal and installation conditions

Technical references

Bürkert Type 8045 technical datasheet — open reference · Product data sheet · Confirm current revision with quotation

Bürkert Australia Type 8045 — open reference · Manufacturer / supplier reference · Confirm current revision with quotation

Reference values apply only to the identified configuration. The offered model, dimensions, approvals and lead time are confirmed with your quote. Availability is subject to confirmation.