Automation Progetti

- ITALIAN MANUFACTURER -

since 1975

ELECTROMAGNETIC FLOWMETER

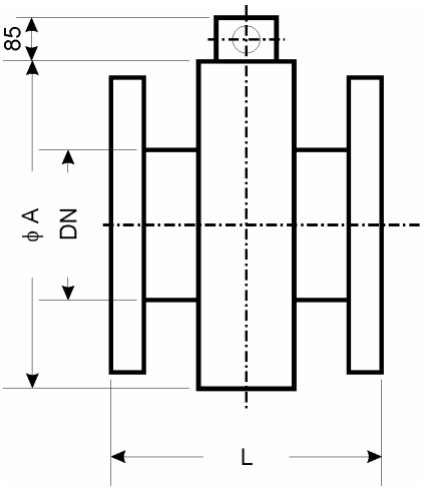
AP1017 – AP1018 - HI-TECH version

Stainless steel version

Carbon steel version

Overall dimensions (mm) with flanges EN-1092-1 PN10 (DIN 2576 – ISO2501 – UNI 2277)

ND	A Ø	L Standard	L ISO	Weight (Kg)
20	140	200		6
25	140	200		7
32	168	200		8
40	168	200		9
50	168	200		10
65	219	200		12
80	219	200		13
100	256	250		16
125	273	250		19
150	284	300		23
200	332	300	350	30
250	389	300	450	38
300	440	300	500	50
350	472	300	550	72
400	523	400	600	96
450	574	400		102
500	624	400		120
600	726	400		150
700	830	400		195
800	932	400		250
900	1034	400		290
1000	1134	400		360
1100	1238	600		450
1200	1337	600		540



TECHNICAL DATA

Version..... : HI-TECH - rough application
Applications : for rough industrial uses (aggressive, sea and stromg humidity ambients)
Process connections..... : flanges EN1092-1 - UNI – ANSI – DIN – ISO – EN 1092-1
Nominal size..... : AP1017 from ND20 to ND400 mm ; AP1018 from ND40 to ND1200 mm
Nominal pressure..... : PN10 – PN16 – PN25 – PN40 – PN64 – PN100
Measure piping..... : stainless steel
Cover and flanges ..... : painted carbon steel **(see optional)**
Structure..... : repairable **(not welded)**
Lining..... : AP1017 TEFLON®; AP1018 food hard rubber
Process temperature..... : AP1017 -40 ÷ 150 °C ; AP1018 -25 ÷ 110 °C
Anticondensate sealing..... : polyurethane resin
Measure electrodes..... : AISI316L-1.4404 **(see optional)**
Measure range ..... : 0,1 ÷ 12 m/s (conductivity 5 µS/cm) see technical bulletin of converter
Interchangeability..... : without adjustment,
accuracy DN20÷300 ±0,2% R.V. ; DN350÷600 ±0,5% R.V. ; DN700÷1000 ±1% R.V. ; DN1200 ±2% R.V.
Calibration : on three points with volumetric way
Output ..... : to converter
Electrical connections..... : with industrial connector (single cable)
Insulation thermic class..... : H (180 °C)
Ambient temperature..... : -30 ÷ 80 °C
Protection..... : IP 67 CEI EN 60529 (protection against temporary dip for 30' at 1 mt. deep) **(see optional)**
Humidity..... : 100% (no air inside)
Supply ..... : from converter (24Vdc)
Power consumption..... : 6W
Dimensions..... : see table
Burn-in ..... : 120 hours
MTBF..... : 130'000 hours
Optionals..... : - Stainless steel construction (AISI304-1.4301 - 316-1.4401)
: - Hastelloy B or C – Titanium electrodes
: - IP68 protection (protection against permanrnt dip at 1 mt. deep)
: - IP68-xx w.c.m. protection (protection against permanrnt dip at declared deep)
: - with single cable connected and sealed by manufacturer for perfect watertight
: - lengths on request
: - **special executions on request**
Accuracy of system (meter + conv.) after calibration with volumetric way (not by comparison)
Standard..... : **±0,2% R.V. - ±0,5% R.V.** (function of diameters)
±1% R.V. - ±2% R.V. (function of diameters)
More data..... : see converters AP219 - AP501

NOTE: Teflon® is a registered trademark of DuPont Dow Elastomers

Bull.	206
Last Updating	January 2004
Italian version	
English version	X

Indirizzo / Address...: Via S. Bellino, 32 – 35020 Albignasego (Padova) Italy
Telefono / Phone.....: +39-049-8805322 (r.a. – 10 linee) **Fax**: +39-049-8805501 (r.a. – 2 linee)
E-mail ..... : info@automationprogetti.it
Web site..... : www.automationprogetti.it