Automation Progetti

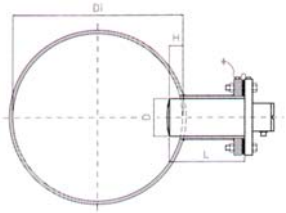
- ITALIAN MANUFACTURER -
since 1975

INSERTION ELECTROMAGNETIC FLOWMETER
AP1200-1220-1221-1222-1223 - HI-TECH version

AP1200

AP1220

AP1223



$$H = \frac{1}{13} Di$$

HOT TAP VERSION

AP1222

AP1221

MOD	D	L
AP1220	42.5	127
AP1200	102	210

TECHNICAL DATA

Version .....: industrial – for insertion HI-TECH
Mounting .....: AP1220 flange DN40 for pipings from DN 80 to DN300; (EN – ANSI – DIN – ISO)
AP1200 flange DN100 for pipings from DN350 to DN2500; (EN – ANSI – DIN – ISO)
AP1221-AP1222 with ball valve 2"GasF thread from DN80 to DN2500(HOT TAP VERSION)
AP1223 - 2"Gas M threaded from DN 80 to DN300
Lenght of introduction.....: 1/13 of diameter (see drawing)
Nominal Pressure .....: PN16 - PN25 – PN40 - PN64
Structure, flange .....: stainless steel AISI 304-1.4301 (AISI 316-1.4401) and POLYETHYLENE
Structure .....: repairable **(not welded)**
Anticondensate sealing .....: polyurethane resin
Measure electrodes.....: AISI 316L-1.4404 **(see optional)**
Process temperature .....: -25 ÷ 60 °C
Ambient temperature.....: -30 ÷ 60 °C
Insulation thermic class.....: H (180 °C)
Interchangeability.....: total for any converter
Interchangeability accuracy .....: without adjustment, AP1200 ±2% O.R. – AP1220,AP1221,AP1222 ,AP1223±3% O.R
Measure range .....: 0,1 ÷ 6 m/s (0,1÷12 m/s special application)
Protection .....: IP66 **(see optional)**
Humidity.....: 100% (no air inside)
Connections.....: with industrial connector
with wired cable (IP68)
Output.....: towards the converter
Power supply.....: from converter (24Vdc)
Dimensions.....: see drawing
Weight .....: kg 3 / 15
Burn-in.....: 120 hours
MTBF .....: 130 ' 000 hours
Optional.....: Hastelloy B or C – Titanium electrodes
: wetted parts in stainless steel / TEFLON® (-40 ÷ 150 °C)
: protection IP68-10 w.c.m. cable connected and resinated by manufacturer
: device complete with valve for insertion inside piping under pressure
: special executions on request

Accuracy of system (meter + conv.) after adjustment with absolute mode (not by comparison)
Standard.....: **±3% R.V.**
On request .....: **±1% R.V. - ±2% R.V.**
For other data .....: see converters AP219 - AP501

NOTE: Teflon® is registered trademark of DuPont Dow Elastomers

Bull.	210
Last Updating	May 2006
Italian version	
English version	**X**

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