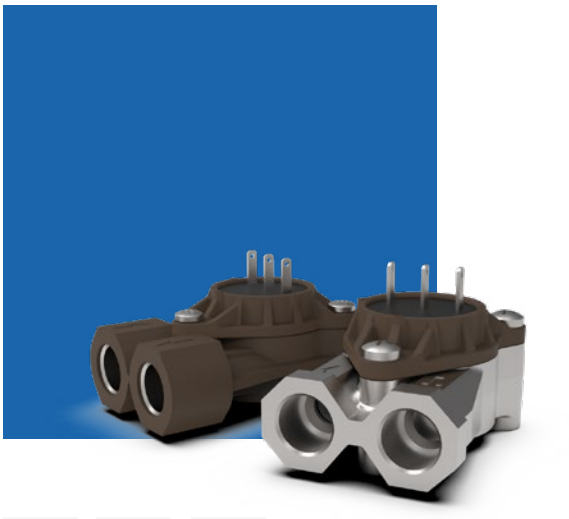


D-FLOW HP

Flowmeter

The Flowmeter is a **general-purpose device**; its working range can be individually defined according to its nozzle size. It is employed for **measuring, regulating or metering** and guarantees most precise measurement of fluid quantities.

APPLICATION:

- Professional coffee machines
- Commercial Ovens
- Bakery Ovens

HIGHLIGHTS

Overmolding bushing in stainless steel in PPS body

Compact design

Repeatability better than 0,2%

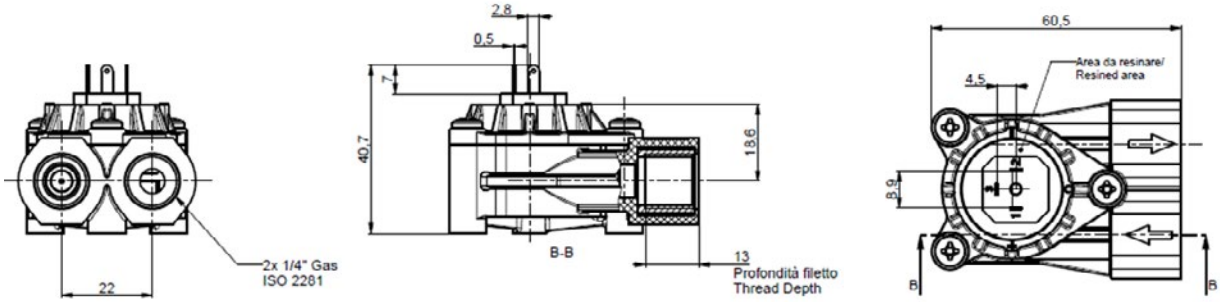
CODE	DESCRIPTION
FDD11350201X	PPS body, push fitting Ø8 mm , Ø3.5 mm nozzle , 2-magnet impeller (2M) , Fast-on conn.
F3211115202X	SSteel G1/4" body , Ø1.15 mm nozzle , 2-magnet impeller (2M) , MPM connector
F5211100202X	PPS G1/8" body , Ø1.0 mm nozzle , 2-magnet impeller (2M) , MPM connector

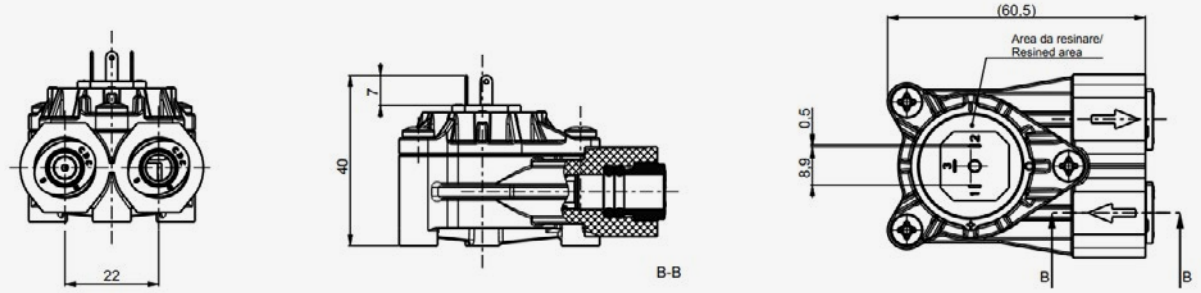
TECHNICAL FEATURES

MOUNTING POSITION	Horizontal
MAX. PRESSURE	20 bar thread connections 16bar@25°C-10bar@85°C push fitting connection
MAX. TEMPERATURE	Water max 98°C at 20bar thread conn. Steam max 140° at 3 bar* thread conn.
NOZZLE DIAMETER	0.57 - 0.7 - 1.0 - 1.1 - 1.15 - 1,2 - 1.3 - 1.5 - 1.8 - 2.0 - 2.5 - 3.5 - 3.7 mm
IMPELLER	2 magnets (2M) / 4 magnets (4M)
CONNECTION	G1/8" - G1/4" - push fitting Ø6 - Ø8 mm
POWER SUPPLY	3.8 ÷ 25.5VDC
MAX. CONSUMPTION	15mA
MAX OUTPUT VOLTAGE	25 VDC
MAX OUTPUT CURRENT	25 mA
ELECTRICAL OUTPUT	NPN
ACCURACY	+/- 2%
REPEATABILITY	Better than 0,2%
ELECTRICAL CONNECTION	Fast-on, MPM Connector, 6.3 mm 90° Faston + ground wire, Cabling

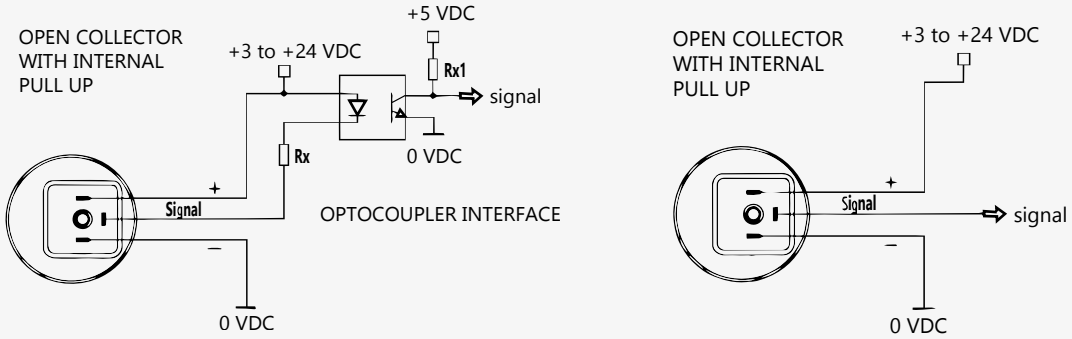
NOZZLE DIAMETER (MM)	DOSE PER PULSE (CM^3)		PULSES PER LITRE		FLOW RATE (CC/MIN)	
	2M	4M	2M	4M	MIN	MAX
0.7	0.3	0.158	3300	6329	25	700
1.0	0.47	0.23	2128	4348	32	1400
1.1	0.49	0.254	2050	3937	34	1525
1.15	0.5	0.267	2000	3745	35	1600
1.3	0.6	-	1666	-	40	1860
1.5	0.67	-	1492	-	45	2080
1.8	0.85	-	1176	-	60	2500
2.0	1.02	-	980	-	85	3000
2.5	1.44	-	695	-	120	4000
3.7	2.28	-	438	-	150	5000
6.0	4.72	-	212	-	300	6000

TECHNICAL DRAWINGS





ELECTRIC CONNECTIONS



CODIFICATION

I	II	III	IV	V	VI	VII	VIII
F	32	11	180	2	0	1	X

I. FLOWMETER

II. BODY - G 1/4"
22 - PPS
32 - Stainless Steel
33 - St.Steel with chamfer 1,4x45°

II. BODY - G 1/8"
52 - PPS
62 - Stainless Steel

II. BODY - PUSH FITTING Ø6MM
AA - Stainless Steel
CC - PPS

II. BODY - PUSH FITTING Ø8MM
BB - Stainless Steel
DD - PPS

II. BODY - PUSH FITTING Ø1/4"
GG - Stainless Steel
HH - PPS

III. PINION
11 - Stainless Steel

IV. NOZZLE DIAMETER [MM]
057 - Ø0,57
070 – Ø0,7
100 – Ø1,0
110 – Ø1,1
115 – Ø1,15
120 – Ø1,20
130 – Ø1,3
150 – Ø1,5
180 – Ø1,8
200 – Ø2,0
250 – Ø2,5
350 – Ø3,5
370 – Ø3,7

V. IMPELLER
2 - 2 Magnets (2M)
4 - 4 Magnets (4M)

VI. COVER
0 - PPS

VII. ELECTRICAL CONNECTION
1 - Fast-on
2 - MPM Connector
3 - 6.3 mm 90° Faston + ground wire
4 - Cabling

VIII. SENSOR
A - Not available
B - Not available
X - Standard

POSSIBLE CUSTOMIZATIONS – UPON REQUEST

Rev. 2026-11-05