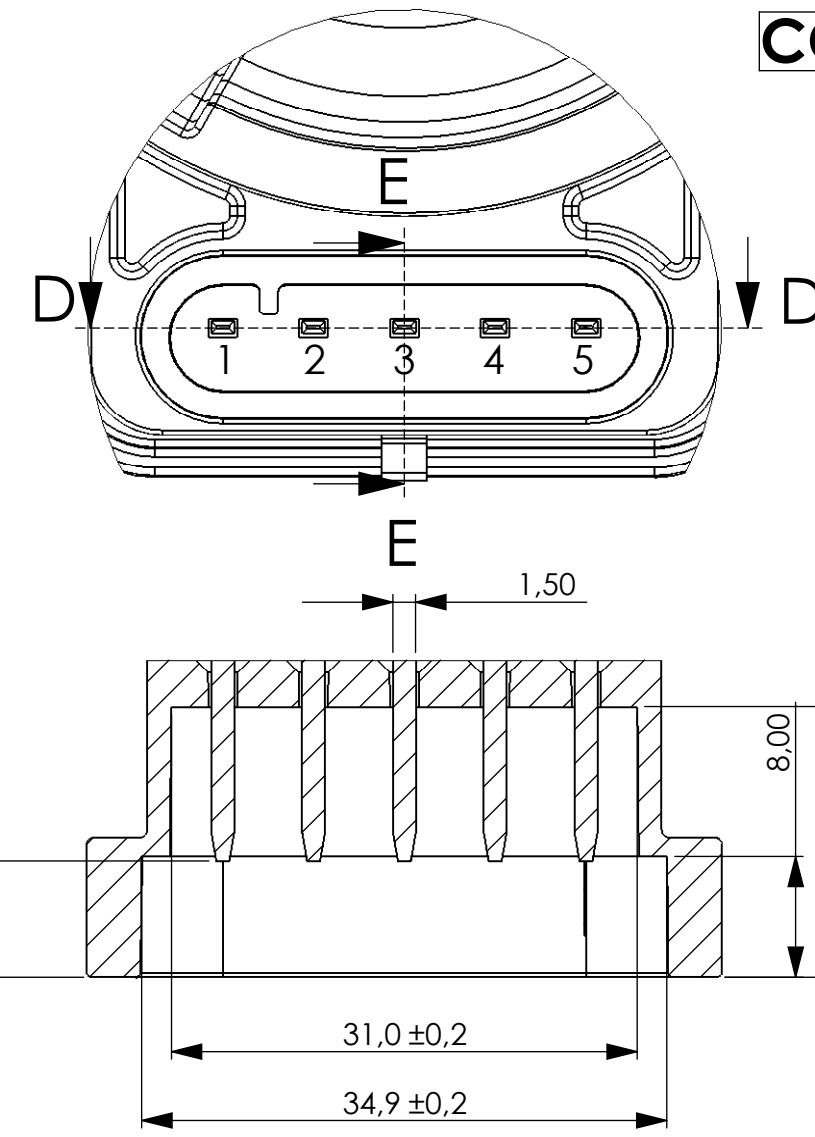
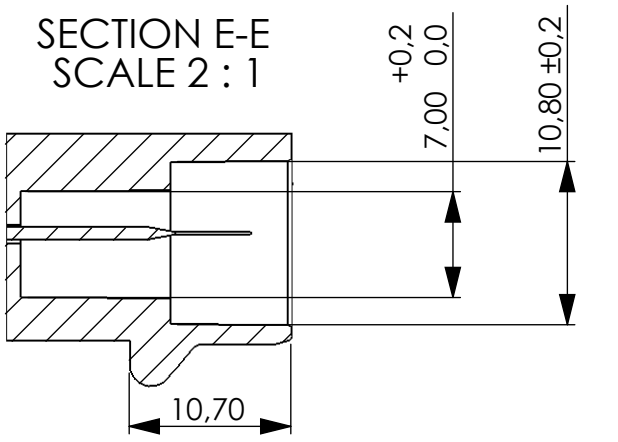


DETAIL C
SCALE 2 : 1

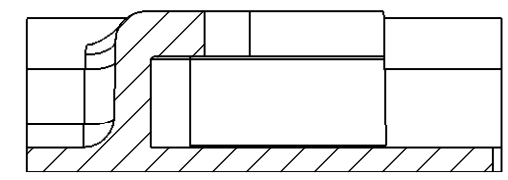


CONNECTOR



SEZIONE D-D
SCALA 2 : 1

FIXING POINT



SECTION M-M
SCALE 2 : 1

DETAIL J
SCALE 2 : 1

100% on line tested ©

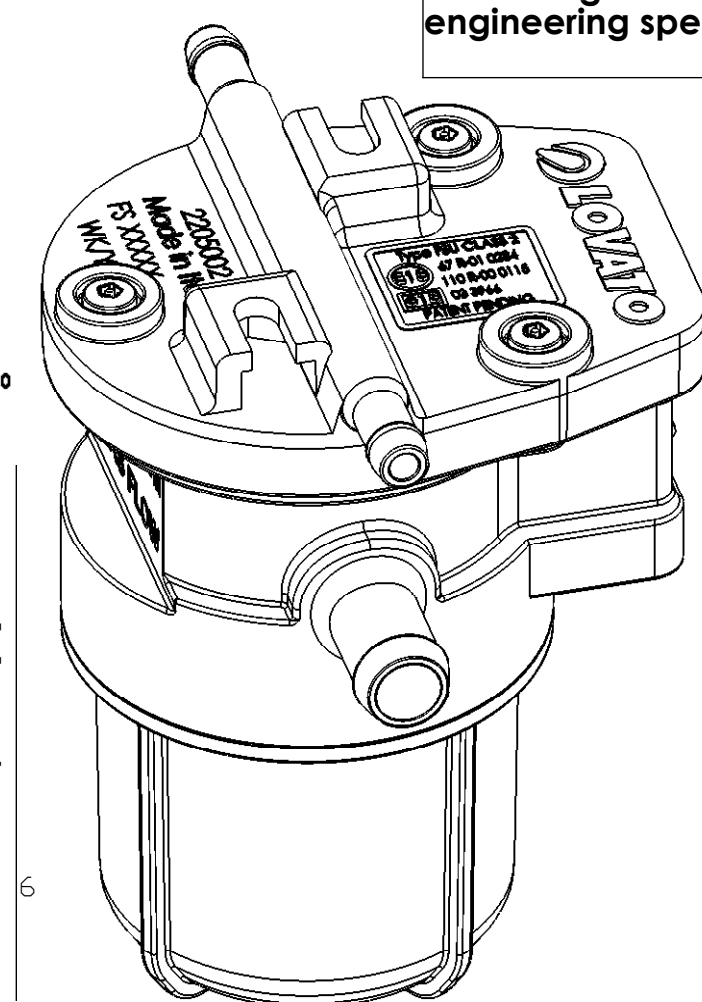
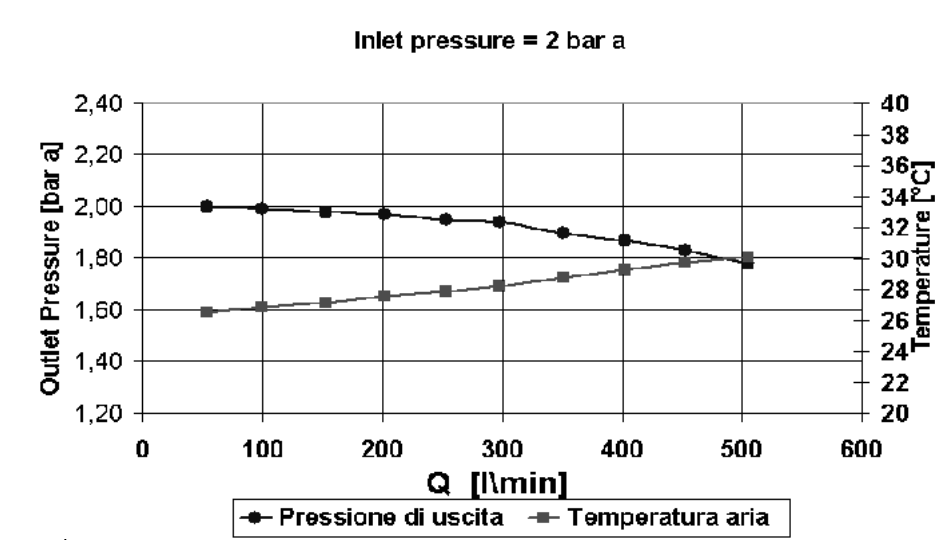
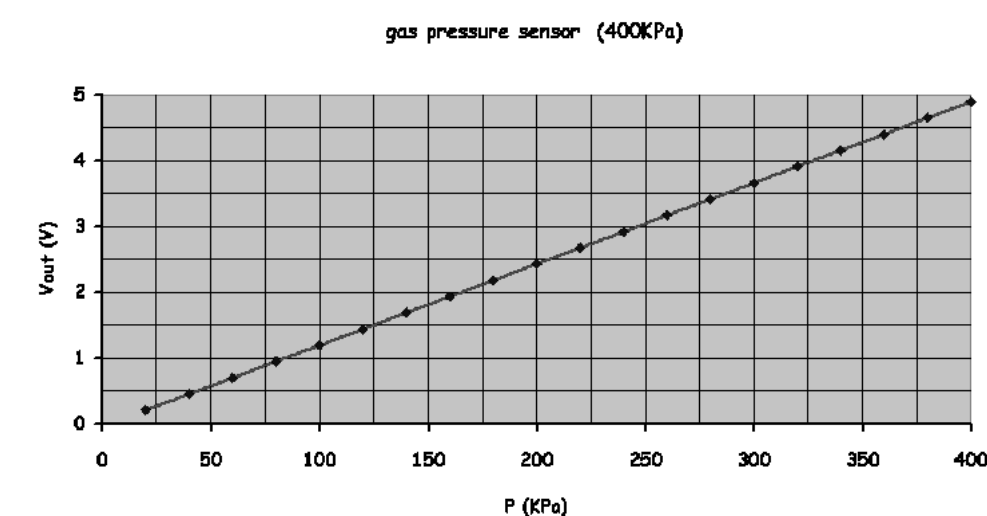
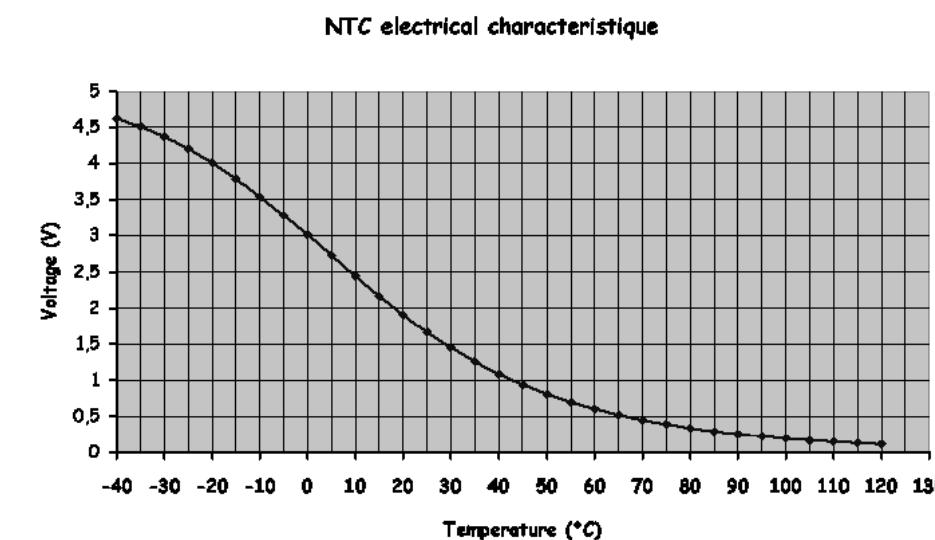
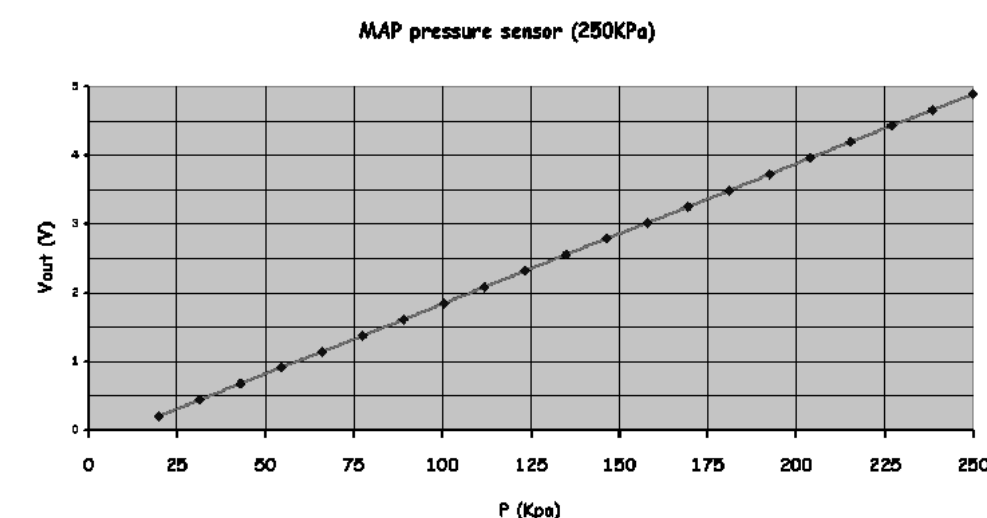
External leakage test gas circuit (high pressure P = 3,3 bar a)	Max leakage admitted = 15 cc/h
electric test gas sensor	Tested a high pressure (3,3 bar a)
electric test map sensor	Tested at low pressure (0,3 bar a)
electric test temperature sensor	Tested at enviroment temperature

1294023	C	4205003	FSU FILTER UNIT	1	30.000	SUBSTITUTION
	B	7450015	OR 4081 HNBR GREEN 70 SH D.20,22x3,53	2	30.000	SUBSTITUTION
	A	7450016	OR 4200 HNBR GREEN 70 SH D.50,39x3,53	1	30.000	SUBSTITUTION
LOVATO KIT NO.	ITEM	LOVATO PARTICULAR NO.	DESCRIPTION	Q.TY	FREQUENCY OF SERVICE Km	SERVICE TYPE

FSU (filter sensor unit) according to FSU PT 12 R engineering specification

FSU (filter sensor unit) in agree with the followings international normes:
a) ECE ONU E67-R01 CLASS2
b) ECE ONU 110-R00 CLASS 2
c) 72/245/CEE 2006/28/CE

N° part	PartNo	Description	nr	Material	STD Material	Treat Surf	STD Treat Surf
1	7450015	HNBR O-RING Ø20.22x3.53 70 Sh A	2	HNBR			
2	4205003	FSU FILTER UNIT	1	Cartridge: Glass Fiber / Plate: Steel	UNI EN 10130	Zinc Plate	ISO 2081
3	5140001	CENTRAL BODY	1	GRIVORY XE 3735			
4	7450016	HNBR O-RING Ø50.39x3.53 70 Sh A	1	HNBR			
5	7450017	OR 2012 HNBR verde 70 Sh D2.90X1.78	4	HNBR			
6	7890013	TC TORX SCREW 3,5x12 Plastite	3	Steel	UNI EN 5931	Zinc Plate	ISO 2081
7	5140003	UPPER BODY	1	PBT 30% GF			
9	5140002	FSU LOWER BODY	1	PBT 30% GF			
10	4665007	FSU ELECTRONIC PLATE PT	1	Glass fiber, electronic components			
11	136214	D.5.28X1.78 HNBR 70 SHORE A2021 O-RING	2	HNBR			



MECHANICAL CHARACTERISTICS OF UNIT FILTER:

- Unit filter for LPG/CNG gas;
- Temperature range: -40°C - 120°C;
- Filtration capacity: 10 micron(c)
- efficiency, Beta(10) [c] >= 75 (ISO 16889)
- efficiency >= 98,7% referred to particle size 10 micron(c).
- Maximum gas pressure: 6 bar a
- nominal gas pressure: 0 - 4 bar a
- Maximum working map pressure: 0 - 2,5 bar a

ELECTRICAL CHARACTERISTICS:

- Nominal Voltage: 5 V DC
- Maximum Voltage: 5,3V DC
- Maximum current: 10 mA DC
- Electrical characteristic gas pressure sensor (see diagram)
- Electrical characteristic map pressure sensor (see diagram)
- Electrical characteristic gas temperature sensor (see diagram)

8	Added Part Number marked on Superior Cover; Added detail view on Inferior Body hexagon	05/03/2010	PERLUZZO
REV. n°	DESCRIZIONE MODIFICA / DESCRIPTION OF MODIFICATION	DATA MODIFICA MOD. DATE	DIS. MODIFICA MODIFIED BY
C	Caratteristica controllata al 100% / Characteristic 100% checked		
Q+	Prk ≥ 1,67 Cpk ≥ 1,33		
Q-	Prk ≥ 1,67 Controllo a campione in produzione Prk ≥ 1,67 Sampling check in mass production		
RAGGI NON QUOTATI	QUOTE SENZA INDICAZIONE DI TOLLERANZA		
NOT DIMENSIONED CHAMFER	0,2 mm		
SMISURI NON QUOTATI	0,5 mm		
NOT DIMENSIONED CHAMFER	0,5 mm		
	ISO 2768-mK		
	alberi: H12, fori: H12, filetti: 6g - 6H		
	DESCRIZIONE / DESCRIPTION		
	FSU-C FILTER PT 12		
	DISegnATORE / DRAWN BY APPROVATORE / APPROVED BY	ANALISI DI MODIFICA / CODEICE / CODE	REV.
	DATA / DATE 07/10/2008	07/10/2008	
	FIRMA / SIGN. ING. PERLUZZO PIERO	6581	
	ING. GRITTI GUIDO	2205002	
			8