E.01.800-E-181002
www.tempco.be

PURGE ASAMETERS

SERIE 1900 / 1901 / 1903

ENGINEERING SPECIFICATIONS

Mod. 1900 Asameters® are small flow instant reading flowmeters with built-in needle-valve (without valve for mod. 1901/1903 on request). Also available in ATEX version for applications in explosive environments.

Length of reading scale:
63 mm nominal mod. 1900
90 mm nominal mod. 1901
240 mm nominal mod. 1903

Accuracy:
± 5% f.s.v. mod. 1900/1901
± 3% f.s.v. mod. 1903

Rear gas threaded fittings:
1/4" gas f o NPT f

Distance between fitting centres:
100 mm mod. 1900
170 mm mod. 1901
320 mm mod. 1903

CONSTRUCTION MATERIALS

Asameter and needle valve body:
Noryl, AISI 316L stainless steel

Metering tube:
borosilicate glass (Pyrex)

Shield for metering tube:
Plexiglas and polycarbonate antistatic for ATEX executions

Float: *glass or AISI 316 or c.d.t. sphere*

Linings: *synthetic rubber or Viton or EPDM*

Needle valve: *AISI 316L stainless steel*

WORKING CONDITIONS

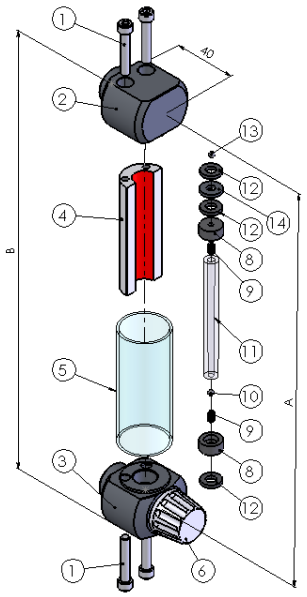
Maximum allowable pressure: *16 bar*

Temperature resistance: *-20°C+100°C*

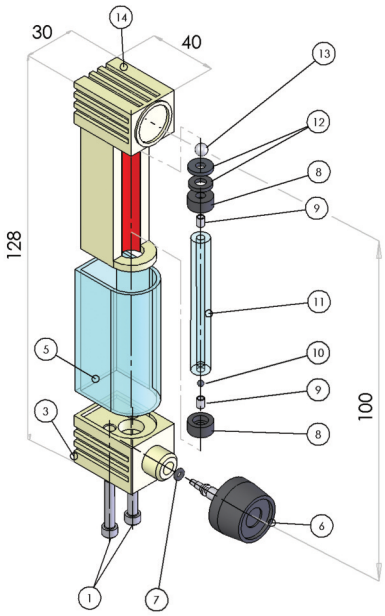
OPTIONALS

Flow-alarm: *for some versions and flowrates only.*

Versione in AISI 316 L
AISI 316 L version
(Models 1900/1901/1903)



Versione in Noryl
Noryl version
(Model 1900)



1) Vite *Screw*
2) Testata superiore
Upper head end
3) Testata inferiore con rubinetto
Lower-head with regulating needle valve
4) Distanziale *Spacer-sleeve*
5) Protezione plexiglass
Plexiglass shield
6) Spillo rubinetto *Needle valve*
7) OR *O Ring packing*
8) Guarnizione tubo vetro
Packing for pyrex tube
9) Arresto galleggiante *Float stop*
10) Galleggiante *Float*
11) Tubo di misura *Metering tube*
12) Rondella *Washer*
13) Valvola di non ritorno (solo su richiesta)
Flow-check valve (optional)
14) Corpo asametro *Asameter body*

Model	A=mm	B=mm
1900	100	128
1901	170	198
1903	320	348

PORTATE DI RIFERIMENTO PER MODELLO 1900
REFERENCE FLOW RATES FOR MODEL 1900

Materiale galleggiante / Float material	Aria *Air* T=20°C P=1013 mbar a		H_2O T=20°C	
	Min nl/h	Max nl/h	Min l/h	Max l/h
Vetro/*Glass*	1	10	-	-
Aisi 316(#)	2,5	25	-	-
Vetro/*Glass*	3	30	-	-
Aisi 316(#)	5	60	0,05	0,85
Vetro/*Glass*	10	100	0,2	2
Aisi 316	20	190	0,5	5
Vetro/*Glass*	20	250	0,25	6
Aisi 316(#)	40	460	1	13
Vetro/*Glass*	50	600	0,5	15
Aisi 316(#)	100	1100	3	36
Carburo di Tungsteno/*T.C.** (#)	150	1600	5	50
Vetro/*Glass*	250	850	4	20
Aisi 316(#)	450	1600	13	50
Carburo di Tungsteno/*T.C.** (#)	400	2000	15	70

PORTATE DI RIFERIMENTO PER MODELLO 1903
REFERENCE FLOW RATES FOR MODEL 1903

Materiale galleggiante / Float material	Aria *Air* T=20°C P=1013 mbar a		H_2O T=20°C	
	Min nl/h	Max nl/h	Min l/h	Max l/h
Vetro/*Glass*	3	60	0,07	1
Aisi 316(#)	10	115	0,2	3
Vetro/*Glass*	4	115	0,1	-
Aisi 316(#)	16	220	0,2	6
Vetro/*Glass*	4	190	0,05	4
Aisi 316(#)	10	340	0,1	10
Vetro/*Glass*	20	560	0,3	11
Aisi 316(#)	40	1000	1	30
Vetro/*Glass*	20	600	0,5	15
Aisi 316(#)	40	1100	3	36
Carburo di Tungsteno/*T.C.** (#)	100	1400	1	45
Vetro/*Glass*	85	850	1,9	19
Aisi 316(#)	160	1600	5	50
Carburo di Tungsteno/*T.C.** (#)	200	2100	7	70

PORTATE DI RIFERIMENTO PER MODELLO 1901
REFERENCE FLOW RATES FOR MODEL 1901

Materiale galleggiante / Float material	Aria *Air* T= 20°C P=1013 mbar a		H_2O T= 20°C	
	Min nl/h	Max nl/h	Min l/h	Max l/h
Vetro *Glass*	85	850	2	20
Aisi 316 (#)	160	1600	5	50
Carb. di Tung *T.C.** (#)	200	2000	7	70

(#) E' possibile installazione di un sensore induttivo
Possibility to have inductive sensor
T.C. Tungsten Carbid*

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