Armatures for turbidity control
GA 1 – GA 2 – GA 11 – GA 5

GA 1 - F
DN 40 ... DN 125

GA 2
DN 50 ... DN 100

GA 5
DN 15 ... DN 200

GA 11
DN 25
DN 32

- **Sensor fixture with emitter and receiver**
- **To use with the turbidity controller TRUBOMAT GS3**
- **DN 15 to DN 200**
- **In-line mounting or as a by-pass**
- **Construction PVC, PPH, Stainless steel**

DESCRIPTION

A complete turbidity control system includes:

- One armature GA, supplied with emitter and receiver
- One controller TRUBOMAT GS3, please see our documentation n° 410-01

The fixtures can be mounted on the main fluid line or on by-pass line.

TECHNICAL FEATURES

GA 1	Material:	Stainless steel 1.4301 (304 - AISI)
	Sealing material:	EPDM
	Process connection:	• Weld on connections • Thread connections (only DN40 and DN 50) • Stainless steel flanges similar DIN 2633 PN10
	Operating T°:	-10° ... +100° C
	Operating pressure:	Maximum 10 bar
(GA1- F)	**Option:**	Stainless steel 1.4571 (316 Ti - AISI) with flanges
GA 2	Material:	Stainless steel 1.4301 (304 - AISI)
	Process connection:	• DIN 11851 • DIN32676 • DIN 11864
GA 5	Material:	PVC, PP
	Sealing material:	EPDM or FPM
	Process connection:	Double end adhesive joint or weld on connection
	Operating T°:	+5° ... +60°C (PPH)
	Operating pressure:	Maximum 2 bar
GA 11	Material:	Stainless steel 1.4301 (304 - AISI)
	Sealing material:	EPDM
	Process connection: (DN 25 and DN 32)	• Weld on connections • Aluminum loose flanges • Stainless steel loose flanges
	Operating T°:	-10° ... +100° C
	Operating pressure:	Maximum 10 bar

421

BAMO MESURES
22, Rue de la Voie des Bans - Z.I. de la Gare - 95100 ARGENTEUIL
Tél : (+33) 01 30 25 83 20 - Web : www.bamo.fr
Fax : (+33) 01 34 10 16 05 - E-mail : info@bamo.fr

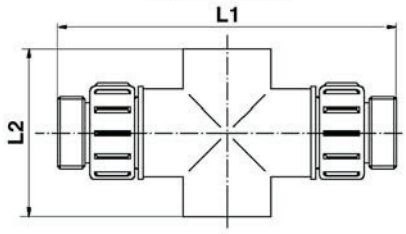
CODE NUMBERS AND REFERENCES

Code	Reference	DN	Material	Process connection
421 - - -	GA 1 - S5D	40	Stainless steel 1.4301 (304 AISI)	Weld on connections
421 - - -	GA 1 - S6D	50		
421 - - -	GA 1 - S7D	65		
421 - - -	GA 1 - S8D	80		
421 - - -	GA 1 - S9D	100		
421 - - -	GA 1 - SAD	125		
421 110	GA 1 - Z7D	40		G 1 1/2"
421 112	GA 1 - Z8D	50		G 2 "
421 120	GA 1 - F5D	40		Flanges PN 10
421 122	GA 1 - F6D	50		
421 124	GA 1 - F7D	65		
421 126	GA 1 - F8D	80		
421 128	GA 1 - F9D	100		
421 130	GA 1 - FAD	125		
421 150	GA 2 - D6 ZR-RG	50		DIN 11851
421 152	GA 2 - D7 ZR-RG	65		
421 154	GA 2 - D8 ZR-RG	80		
421 156	GA 2 - D9 ZR-RG	100		
421 160	GA 2 - D6 ZR-TC	50		Tri-clamp DIN 32676
421 162	GA 2 - D7 ZR-TC	65		
421 164	GA 2 - D8 ZR-TC	80		
421 166	GA 2 - D9 ZR-TC	100		
421 170	GA 2 - D6 ZR-AA	50		Aseptic DIN 11864
421 172	GA 2 - D7 ZR-AA	65		
421 174	GA 2 - D8 ZR-AA	80		
421 176	GA 2 - D9 ZR-AA	100		
421 500	GA 5 - SS 1 1	15	PVC	Double end adhesive joint
421 502	GA 5 - SS 1 2	20		
421 504	GA 5 - SS 1 3	25		
421 506	GA 5 - SS 1 4	32		
421 508	GA 5 SS 1 5	40		
421 510	GA 5 - SS 1 6	50		
421 - - -	GA 5 - SS 1 7	65		
421 - - -	GA 5 - SS 1 8	80		
421 - - -	GA 5 - SS 1 9	100		
421 - - -	GA 5 - SS 1 A	125		
421 - - -	GA 5 - SS 1 B	150		
421 - - -	GA 5 - SS 1 C	200		
421 - - -	GA 5 - SS 2 1	15	ppH	Weld on connections
421 - - -	GA 5 - SS 2 2	20		
421 - - -	GA 5 - SS 2 3	25		
421 - - -	GA 5 - SS 2 4	32		
421 - - -	GA 5 - SS 2 5	40		
421 - - -	GA 5 - SS 2 6	50		
421 - - -	GA 5 - SS 2 7	65		
421 - - -	GA 5 - SS 2 8	80		
421 - - -	GA 5 - SS 2 9	100		
421 - - -	GA 5 - SS 2 A	125		
421 - - -	GA 5 - SS 2 B	150		
421 - - -	GA 5 - SS 2 C	200		
421 140	GA 11 - S3	25	Stainless steel 1.4301 (304 AISI)	Weld on connections
421 141	GA 11 - S4	32		
421 142	GA 11 - F3F	25		Aluminium loose flanges
421 143	GA 11 - F3D	32		
421 144	GA 11 - F4F	25		Stainless steel loose flanges
421 145	GA 11 - F4D	32		

421 - - - : On request

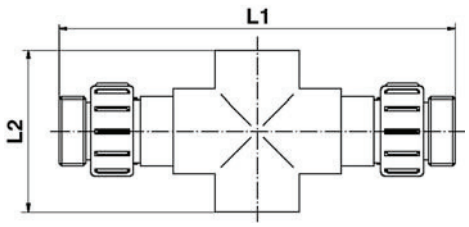
DIMENSIONS

GA 5 SS 1 (PVC)



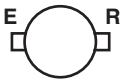
DN	L1	L2
15	198	98
20	198	98
25	198	98
32	198	98
40	218	118
50	244	144
65	265	165
80	294	194

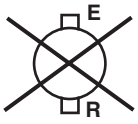
GA 5 SS 2 (PP)



DN	L1	L2
15	231	88
20	231	88
25	231	88
32	231	98
40	245	102

MOUNTING





In-line armatures GA1- GA2 - GA 11 - GA5

The emitter and receiver have to be installed within a horizontal plan, to avoid accumulated particles or gas bubble.

The following points must be observed in order to assure accurate measurement:

- The armature must always be full of liquid during operation
- The fluid to be measured must be free of gaseous bubbles.

For the normal maintenance operation, mounting should care of possibility to dismantle all the system.

421

BAMO MESURES
22, Rue de la Voie des Bans - Z.I. de la Gare - 95100 ARGENTEUIL
Tél : (+33) 01 30 25 83 20 - Web : www.bamo.fr
Fax : (+33) 01 34 10 16 05 - E-mail : info@bamo.fr

Armatures for turbidity control
GA 1 – GA 2 – GA 11 – GA 5

24-05-2007 421 I1 01 B

TUR

421-01/2