

Armatures for turbidity control

GA 1 – GA 2 – GA 11 – GA 5



GA 1 - F
DN 40 ... DN 125

- 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.



GA 2
DN 50 ... DN 100

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 5
DN 15 ... DN 200

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
DN 25
DN 32

GA 11 Material: Stainless steel 1.4301 (304 - AISI)
 Sealing material: EPDM
 Process connection:

- Weld on connections
- Aluminum loose flanges
- Stainless steel loose flanges

 Operating T°: -10° ... +100° C
 Operating pressure: Maximum 10 bar

BAMO MESURES

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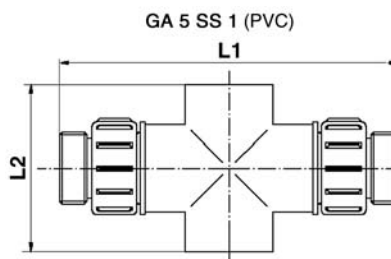
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CODE NUMBERS AND REFERENCES

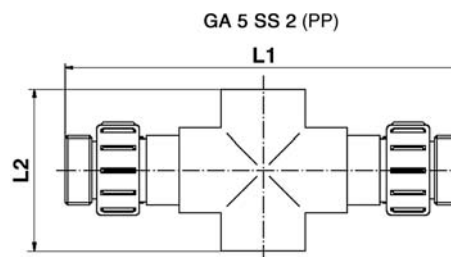
Code	Reference	DN	Material	Process connection
421 - - -	GA 1 - S5D	40	Stainless steel 1.4301 (304 AISI)	Weld on connections
421 - - -	GA 1 - S6D	50		
421 - - -	GA 1 - S7D	65		
421 - - -	GA 1 - S8D	80		
421 - - -	GA 1 - S9D	100		
421 - - -	GA 1 - SAD	125		
421 110	GA 1 - Z7D	40		G 1 1/2"
421 112	GA 1 - Z8D	50		
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		DIN 11851
421 150	GA 2 - D6 ZR-RG	50		
421 152	GA 2 - D7 ZR-RG	65		
421 154	GA 2 - D8 ZR-RG	80	Tri-clamp DIN 32676	
421 156	GA 2 - D9 ZR-RG	100		
421 160	GA 2 - D6 ZR-TC	50		
421 162	GA 2 - D7 ZR-TC	65	Aseptic DIN 11864	
421 164	GA 2 - D8 ZR-TC	80		
421 166	GA 2 - D9 ZR-TC	100		
421 170	GA 2 - D6 ZR-AA	50	PVC	Double end adhesive joint
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		
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		Aluminium loose flanges
421 142	GA 11 - F3F	25		Stainless steel loose flanges
421 143	GA 11 - F3D	32		
421 144	GA 11 - F4F	25		
421 145	GA 11 - F4D	32		

421 - - - : On request

DIMENSIONS

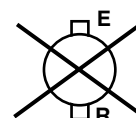


DN	L1	L2
15	198	98
20	198	98
25	198	98
32	198	98
40	218	118
50	244	144
65	265	165
80	294	194



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.

BAMO MESURES

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