

GHMadapt / Accessories



Characteristics

GHMadapt Welding sleeves without/
 with leakage holes,
 Adapters,
 Welding fittings,
 CIP-/SIP-cleaning,
 EHEDG certified

Connection cables IP67, IP69K
 4-, 5- and 8-pole

Applications

- Food-, beverage and pharmaceutical industry**
- Tube systems
 - Tanks
 - Vessels and other containers

Product information

GHMadapt / Accessories

Function

With the process adaptation it is a matter according to the use in the tanks or in the tubes of choosing a flawless, hygienic process connection.

Diameters, volumes and construction form mark size and type of the connection. Medium, temperature and pressure the possible principle.

Advantage

- Thread types M12, G ½, G 1
- Leakage holes
- Modular adaption at all common process connections
- Hygienic-connection cables

Device overview

Accessories	Page
Mounting notes	3
Welding sleeve	
APH112, APH113, APH121, APH122, APH123, APH132, APH133, APH141, APH142, APH151, APH152	4
Welding tool	
AMH121, AMH122, AMH123	5
Blind gland	
AMH111, AMH112, AMH113	5
Reducing bush	
AMH131, AMH132, AMH133, AMH134	5
Process adapter	
APH2X1, APH2X2, APH2X3, APH3X1, APH3X2, APH3X3, APH4X1, APH4X2, APH4X3	6
Welding fitting	
APH5X1, APH5X2, APH5X3	7
Hygienic connection cable	
ACH111, ACH112, ACH121, ACH122	8
ACH113, ACH123	9
Certificates and Protocols	
Test Report 2.2, Inspection Certificate 3.1	7

Errors and technical changes reserved.

Product information

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Process Adaptation and Accessories



Application field

Hygienic requirements for dead spot free and elastomer free process adaptation in a wide application field of food and beverage industry.

Function GHMadapt

The hygienically designed cone of the sensor, will be pressed with a defined stud torque against the sealing edge of the welding sleeve.



Technical data

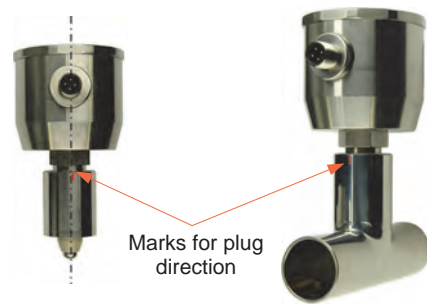
- Process connection : thread M12, G ½", G 1"
stud torque values see table below
- Material : stainless steel 1.4404, AISI 316L
2.2 or 3.1 certification optional
- Operating temperature*
- Sealing metal-metal : max. 250 °C
- Sealing metal-PEEK : max. 150 °C
- Process pressure*
- Sealing metal-metal : max. 50 bar
- Sealing metal-PEEK : max. 10 bar

Approvals / conformities



Characteristics

- Defined position of the cable- or plug entry (sensor) with a mark on the welding fitting
- Only 3 thread types for all sensors: M12, G ½", G 1"
- Adaptation for all popular process connection as: VARINLINE®, Tri-Camp, milk-pipe, DRD, ...
- Reducing adapter for the replacement of existing sensors e.g. vibration limiter
- Models with leakage holes



Mounting notes for fittings

Butt welding in tanks

1. drilling the hole with outer diameter of the sleeve,
 - max. tolerance +0.2 mm
2. tacking the fitting with 4 point (Figure 1)
 - take care for the tacking sequence
 - for G 1 are 8 tacking points necessary (Figure 2)
3. screw in welding tool (see AMH121, -122, -123)
4. welding the sectors between the tacks
 - 4 sectors for thread M12 and G ½"
 - 8 sectors for thread G 1"

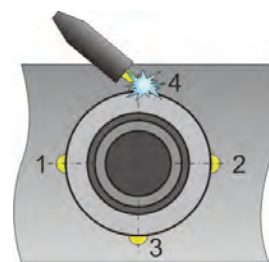
Butt welding in tubes

Besides the APH tube-system we also offer ball sleeves or sleeves with welding shoulder for pipes with collar.



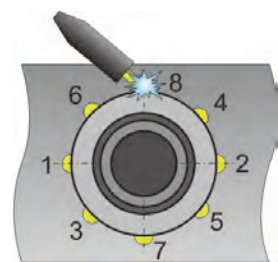
To prevent a glowing through or warping the sleeve during the welding process, it is necessary between the single sections to take a break, to cool down the sleeve.

Figure 1



4 sectors with M12 and G ½"

Figure 2



8 sectors with G 1"

Tightening torque

Thread	Sensor / sleeve	Min. torque [Nm]	Max. torque [Nm]
M12x1.5 hygienic	PEEK / metal	5	10
G ½" hygienic	PEEK / metal	5	10
G ½" hygienic	metal / metal	5	20
G 1" hygienic	PEEK / metal	10	20