

Single Pipe Connector – EAS – Minocal® for heat meter Minocal® Q_n 0,6 – 2,5 MNT, MST, MD1

1. Application / Function

The single pipe connector (EAS) is for the uptake for:

- Heat meter Minocal® Combi, style measuring capsule, for symmetric (MST) and non-symmetric (MNT) installation of the temperature sensors or
- flow metering unit Minocal® MD1, style measuring capsule.

The EAS can be installed upwards in horizontal pipes (horizontal installation) or turned 90° to the side (vertical installation). The installation in vertical rising- or down pipes is allowed. An installation „over head“ is not allowed.

2. Remark for the installation

The installation of the EAS must only be carried out by qualified skilled workers. EAS for heat measuring always in return flow (cooler lane). Remark: If it is necessary to install the EAS in forward flow due to lack of place or other reasons the installation lengths have to be changed (Immersion collar or ball valve for temperature sensors in return flow)! Note for the order: heat meters with option „installation in forward flow“!

Installation at the deepest point of the pipe so that there will be no air cushions.

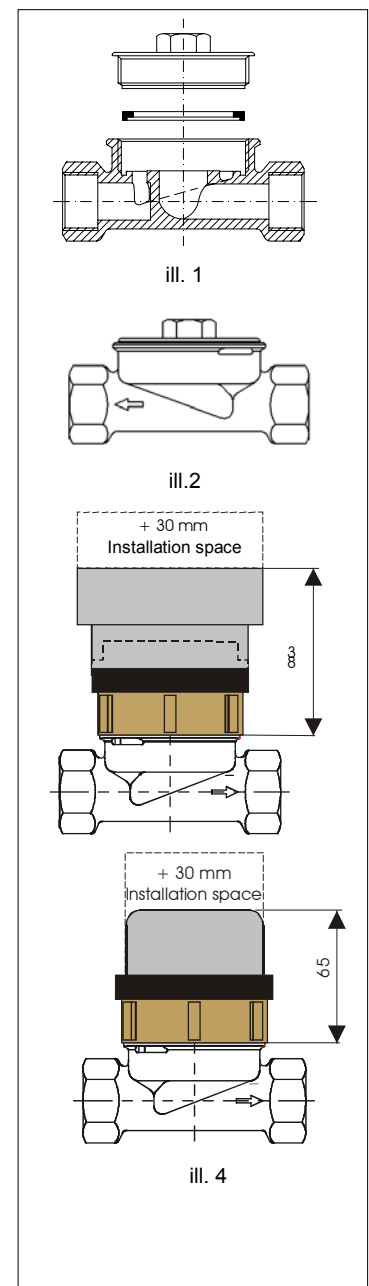
Protect the heat meter from contamination and magnetic iron with a filter or an anticorrosive agent in the heating water (see DIN 4713, part 4, point 3.3).

Provide for shut-off devices in front of and behind the EAS.

Note the installation measures of the heat meter: Centre distance between two EAS at least 135 mm. Keep a 20 cm minimum distance between the heat meter Minocal® and electromagnetic sources of interferences such as switches, regulators, pumps etc.

An unproblematically dismantling of the measuring capsule after expiry of the calibration validity-duration should be possible. Keep 3 cm space for the mounting (see ill. 3+ill.4). A safe reading of the display of the heat meter must be ensured.



- 2.1 Unpack the EAS and check if following material is complete: EAS, cover, sealing ring and protecting caps.
- 2.2 Control the sealing surfaces and sealings.
- 2.3 Pay attention to the flow direction (corresponding to the mark at the EAS).
- 2.4 EAS will be delivered without the enclosed sealing ring with slack screwed in cover (see ill. 1). If EAS is with thread connection see point 2.5. If EAS is with solder connection, solder the connections and let them cool off. If mounting is with pressfitting no oil or fat should be used. Consider further information of pressing system documents.
- 2.5 Unscrew the EAS. Insert the attached L-sealing ring in the EAS below the head thread in the intended groove and screw the cover carefully tight (see ill. 2). Install the EAS professionally. Pay attention to the fixing of the pipe installation with soundproofed clips in front of and behind the EAS.
- 2.6 Check installation carefully for leaks.



Assembly Instruction

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3. Technical Data EAS - Minocal®

	Outside thread / solder connection		Inside thread	
measures in mm				
Connexion	G3/4B solder conn. 18 1)	G1B solder conn. 22	Rp 1/2	Rp 3/4
L	110 139 ¹⁾	130	110	
H1	28,5	28,5	28,5	
H2	18,0	18,0	18,0	

¹⁾with reducing fittings solder conn. 18Ax15 (ill. 6)



After finishing the installation: Check all connecting parts for leaks!