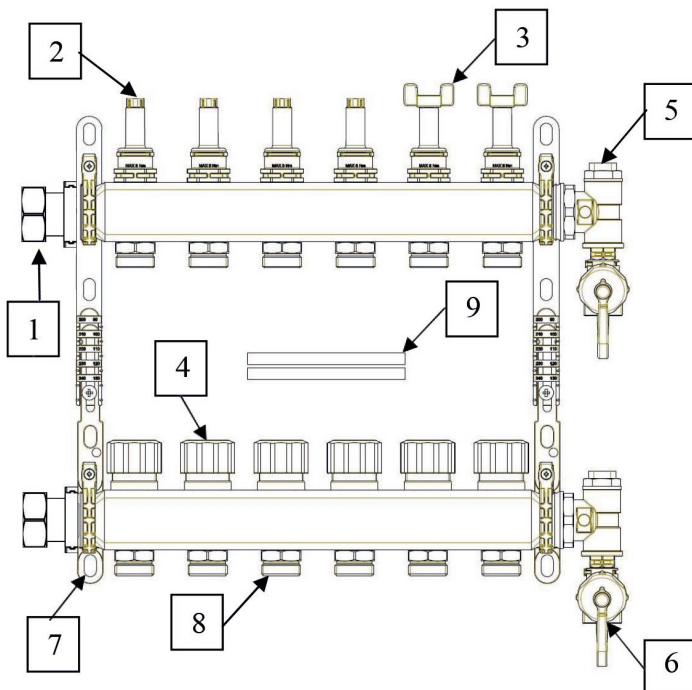


1" STAINLESS STEEL MANIFOLD FOR UNDERFLOOR HEATING

- USE HANDBOOK -

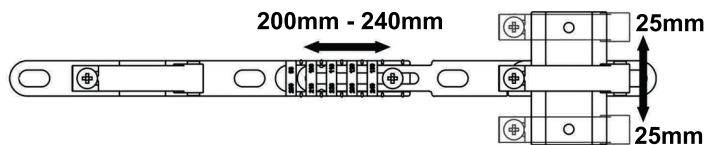
1. COMPOSITION



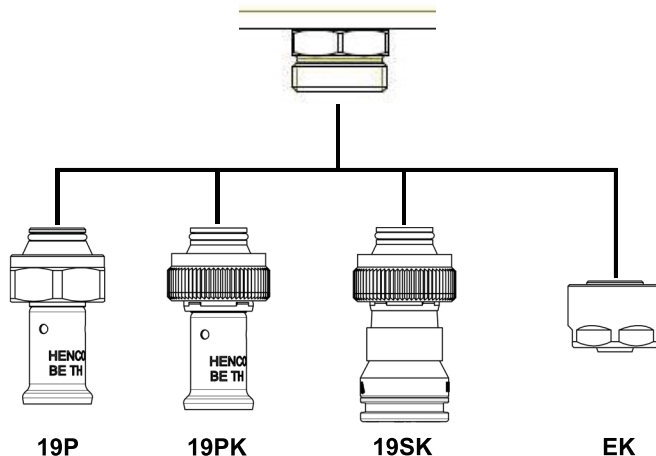
Nr.	English	Nederlands
9	Temp. digital gauge (upon request)	Digitale thermometer (op aanvraag)
8	Eurocone connection M3/4"	Euroconus aansluiting M3/4"
7	Adaptable bracket	Aanpasbare beugel
6	Fill inlet	Vulkraan
5	Air vent	Ontluchter
4	Lockshield M30x1,5	Retourventiel M30x1,5
3	Key	Sleutel
2	Flowmeter	Debietmeter
1	Inlet with Flat Gasket G1"	Aansluiting G1" met vlakke dichting

Nr.	Français	Deutsch
9	Thermomètre numérique (sur demande)	Digitale Thermometer (auf Anfrage)
8	Connection Eurocone M3/4"	Eurokonus M3/4"
7	Support adaptable	Anpassbare Halteplatte
6	Purge	Entleerung
5	Purgeur d'air	Entlüftung
4	Raccord M30x1,5	Ventil M30x1,5
3	Clé	Schlüssel
2	Débitmètre	Durchflussmengenmesser
1	Connection G1" avec écrou tournant	Anschluss G1" flachdichtend

2. ADJUSTABLE BRACKET

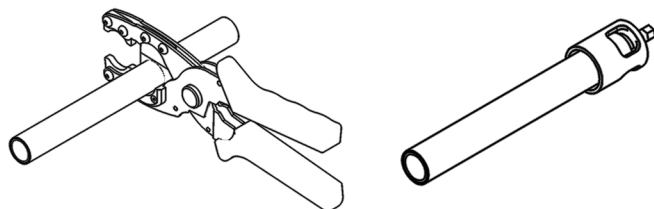


3. EUROCONUS CONNECTION

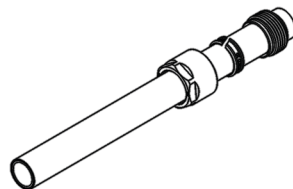


4. MAKING A CONNECTION

4.1 CUT & CALIBRATE



4.2 CONNECT



5. TECHNICAL INFORMATION

English

General characteristics	
Fluids accepted	water / glycol solutions
Max. % glycol	50%
Working temperature	5 - 55 °C
Working pressure	0 - 6 bar
Max. pressure with water	10 bar
Technical characteristics	
Burst pressure at room temperature	> 22 bar
Burst pressure at 50 °C	> 15 bar
Distance between each port	50 mm
Adjustable brackets	210 - 273 mm
Box depth	> 76 mm
Deviation percentage	+15%
Supply Port (flowmeters)	
Flow-rate range	0-5 l/min
Max. torque to adjust the flow-rate (please use the proper adjusting key)	1 N*m

Nederlands

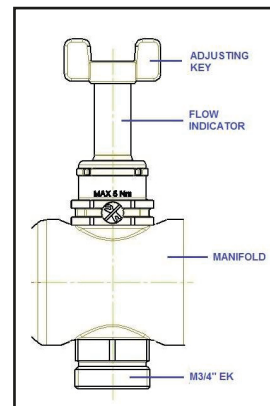
Algemene eigenschappen	
Vloeistoffen	water / glycol solutions
Max. % glycol	50%
Werkings temperatuur	5 - 55 °C
Werkdruk	0 - 6 bar
Max. testdruk met water	10 bar
Technische eigenschappen	
Barstdruk bij kamertemperatuur	> 22 bar
Barstdruk bij 50 °C	> 15 bar
Afstand tussen elke kring	50 mm
Aanpasbare beugels	210 - 273 mm
Box diepte	> 76 mm
Afwijkingspercentage	+15%
Aanvoer (debietmeters)	
Debiet	0-5 l/min
Max. torque om het debiet aan te passen (gebruik a.u.b. de juiste sleutel)	1 N*m

Français	
Caractéristiques générales	
Fluides	eau / glycol solutions
Max. % glycol	50%
Température de travail	5 - 55 °C
Pression de travail	0 - 6 bar
Teste pression max. avec eau	10 bar
Caractéristiques techniques	
Pression d'éclatement à température ambiante	> 22 bar
Pression d'éclatement à 50 °C	> 15 bar
Distance entre chaque port	50 mm
Supports adaptables	210 - 273 mm
Profondeur boîte	> 76 mm
Pourcentage de déviation	+15%
Départ (débitmètres)	
Portée débit	0-5 l/min
Torque max. pour adapter débit (utilisez la clé de réglage appropriée s.v.p.)	1 N*m

Deutsch	
Allgemeine Eigenschaften	
Flüssigkeiten	Wasser / Glycol solutions
Max. % Glycol	50%
Betriebstemperatur	5 - 55 °C
Betriebsdruck	0 - 6 bar
Max. Testdruck mit Wasser	10 bar
Technische Eigenschaften	
Berstdruck bei Raumtemperatur	> 22 bar
Berstdruck bei 50 °C	> 15 bar
Abstand zwischen jedem port	50 mm
Anpassbare Halteplatte	210 - 273 mm
Schranktiefe	> 76 mm
Abweichungsprozensatz	+15%
Vorlauf (Durchflussmengenmesser)	
Durchfluss	0-5 l/min
Max. Torque zum anpassen Durchfluss (Bitte verwenden Sie den richtigen Schlüssel)	1 N*m

6. FLOWMETER WITH 5 L/MIN FLOW RATE

Regulated at	Kv flow coefficient
1 l/min	0,06 m ³ /h
2 l/min	0,12 m ³ /h
3 l/min	0,18 m ³ /h
4 l/min	0,24 m ³ /h
5 l/min	0,30 m ³ /h
Fully open	0,78 m ³ /h

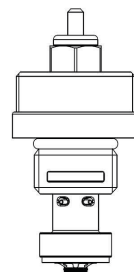


ATTENTION:

The flowmeter is supplied with flow rate adjusting key. For a correct reading and setting of the system, please rotate anticlockwise the adjusting key, up to the maximum flow rate, when the indicator marks 5 l/min. To close the flowmeter, please rotate clockwise the adjusting key, up to the minimum flow rate, when the indicator marks 0 l/min. Please use only the keys supplied to adjust the flowmeters, do not use other keys to avoid any possible breakage.

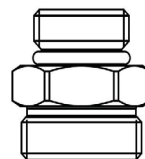
7. LOCKSHIELD FOR THERMO-ACTUATOR

Kv flow coefficient = 1,92 m³/h
Stroke of pin = 3,8 mm



8. PIPE CONNECTORS

M3/4" Euroconus connector:



- Join the pipe to Euroconus connector;
- Connect the Euroconus connector to M3/4" adapter, by checking the tightness is granted.

9. GENERAL NOTES

ATTENTION:

Please do not use any adjustable spanner to mount the flowmeter and the lockshield into the manifold, and apply a torque ≤ 5 Nm. A final pressure and leakage test of pipeline by compressed air at 6 bar for 24 hours and then by water at 6 bar for 3 days, is suggested, once the installation is completed. Operate on the product only when the system is not under pressure and using proper tools.

10. MAINTENANCE

Once a year a visual check of the manifold is suggested with particular reference to:

- accidental damage;
- tightness.

During repair use only the original parts.

The product can be dismantled for any inspection only by skilled and authorized staff.



WE CARE TO CONNECT

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