GIRPI INNOVATION

COMPENSATOR

GIRPI's HCOMP expansion compensator, made from CPVC, consists of a carefully designed assembly of fixed parts, and of one single moving part. Each compensator will absorb the expansion of SYSTEM'O® piping sections corresponding to either 2 pipe lengths of 4 m, or 3 pipe lengths of 3 m, for a ΔT up to 60°C, saving you the hassle of expansion calculations.

It can be indifferently installed vertically or horizontally, and does not need to follow any specific flow direction. Just one watch point: attention must be paid to ensure optimal rigidity of the anchors.

The system's cold welding joining technique makes the compensator quick and easy to install or retrofit on building sites.

1 2 3 Fixed elements
4 Moving element
5 Flat seal
6 Threaded adaptor
7 Anchoring inserts

CUSTOMER BENEFITS

- Lightweight
- Easy to install
- Compact, easily fits in all building site configurations
- Economical solution
- Certified for contact with potable water
- Network material integrity maintained
- No more need to carry out expansion calculations

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an Aliaxis company

SYSTEM'O®

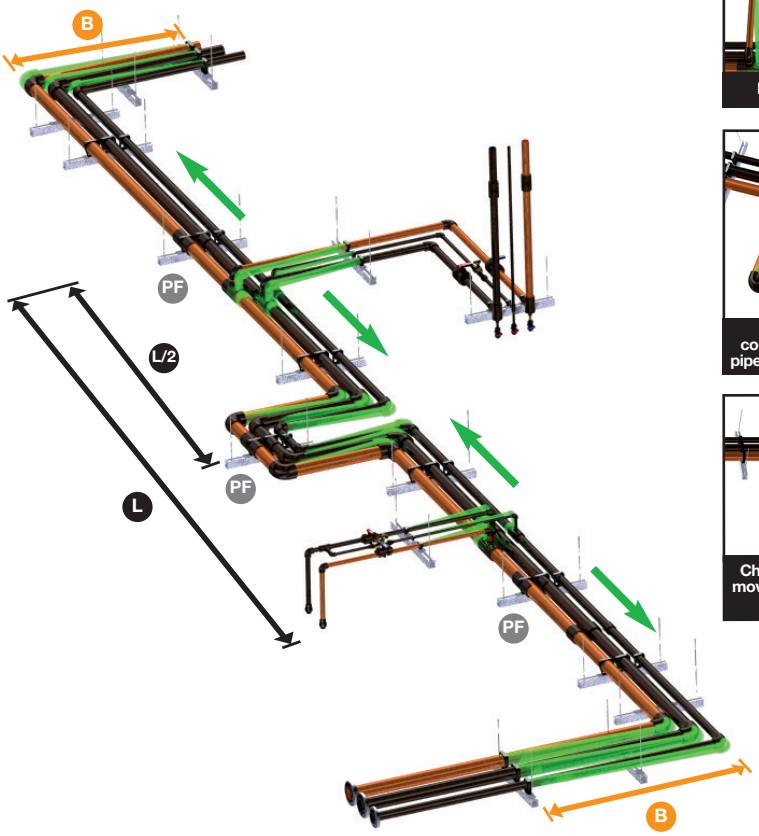
GIRPI
safety for your pipeworks

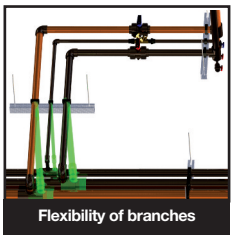
Ref. : PELHCOMFRGB - RCS LE HAVRE B 719 803 249 - 11/14 - 300 ex

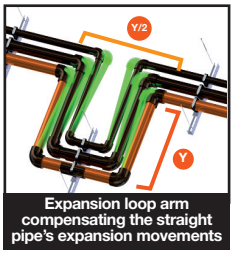
HOW CAN YOU DEAL WITH THE EXPANSION OF YOUR DOMESTIC WATER DISTRIBUTION SYSTEM?

Expansion affects all materials. If it is not accounted for, it will lead to pipes bending and distorting.

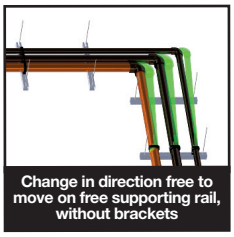
Application example on a DHCWS network using SYSTEM'O®




Flexibility of branches



Expansion loop arm compensating the straight pipe's expansion movements


Change in direction free to move on free supporting rail, without brackets

L : Distances between anchoring points and branches or changes in direction

B : Loop arm length of branches or changes in direction

PF : Anchoring point

Y : Expansion loop arm length

: Expansion movement direction

: Expansion compensation movement of the pipe acting as a loop arm

Expansion movements must be accounted for and controlled.

To compensate expansion movements, changes in direction or branch connections acting as loop arms, expansion loops, flexible hose or bellow compensators are used.

These techniques are effective but their implementation needs to be planned before installation stage and require and in-depth understanding of the expansion phenomenon.

GIRPI's innovative engineers have come up with a better, user-friendly solution:

THE NEW EXPANSION COMPENSATOR

SYSTEM'O®

GIRPI

safety for your pipeworks