INNOVATION

SYSTEM'O®

FLEXIBLE HOSES

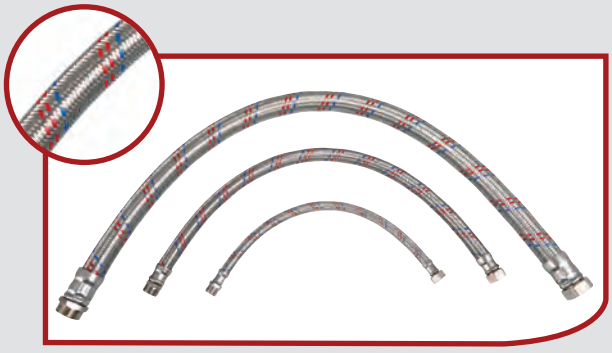
On Domestic Hot and Cold Water Services networks, the use of flexible stainless steel braided hoses has been commonplace for many years, mainly to:

- connect sanitary appliances to the network,
- compensate expansion movements,
- deal with changes in direction.

Most of those flexible piping accessories are made from an EPDM flexible hose, armoured with stainless steel braided wire.

The performances of those flexible hoses are not always adapted to the more demanding working conditions that characterise buildings in the healthcare sector and buildings receiving the public, essentially due to excessive bacteria proliferation and insufficient resistance to the disinfection treatments.

GIRPI has reacted by launching its new range of flexible hoses, available in sizes d16 to d40



GIRPI BENEFITS

That range shares the following features with SYSTEM'O®:

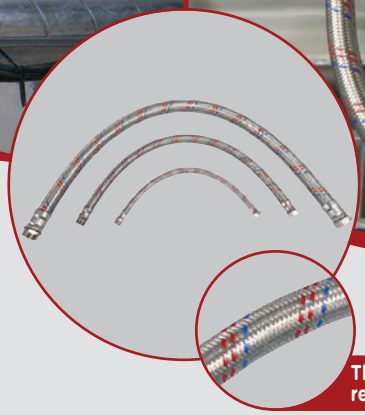
- It is designed for DHCWS applications (it meets ISO 10508 Class 2 performance standards),
- It has a low bacteria promotion potential (LHVP* tests),
- It resists the most aggressive disinfection treatments recommended by the health authorities (e.g. DGS in France / HSE in the UK): Chlorine, chlorine dioxyde - Aliaxis R&D tests with 70ppm ClO_2 at 40°C.
- It is approved for contact with drinking water: ACS in France, WRAS in the UK.

* "Laboratoire Hygiène de la Ville de Paris" – Paris City Hygiene Laboratory

GIRPI

safety for your pipeworks

INNOVATION



They can be recognised thanks to their distinctive red and blue coloured armouring braids

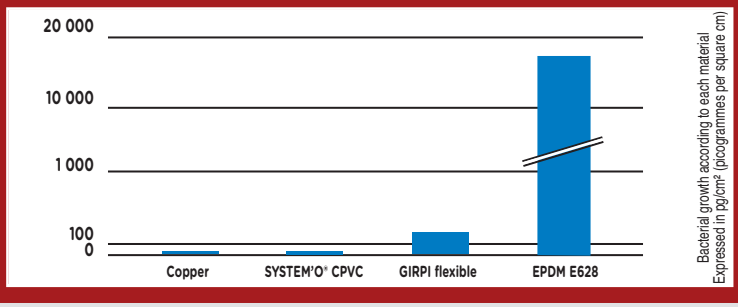
THE NEW GIRPI FLEXIBLE HOSE

LOW BACTERIA PROMOTION POTENTIAL:

Although the ability of materials to promote the development of biofilm is not always taken into account by healthcare regulations, it is a fact that those properties vary according to the nature of each material. Therefore, it makes complete sense to select materials with the lowest possible impact on water quality.

The new GIRPI flexible hoses have a microbial promotion potential up to 65 times lower than certain EPDM flexible hoses.

BPP (Bacterial Promotion Potential) test results on new material samples CRECEP and LHVP laboratories, France



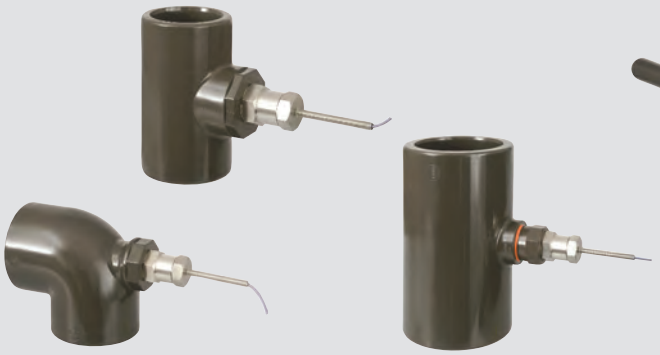
GOOD CHEMICAL RESISTANCE:

Under ideal working conditions, EPDM flexible hoses are good enough for DHCWS networks. However, severe aging tests, reproducing the chemical treatments that may be needed in health-care establishments or buildings receiving the public, showed that GIRPI flexible hoses have a much better behaviour.

	Aspect		Change of mass / thickness		Hardness		Compression	
Conditions	H_2O	CLO_2	H_2O	CLO_2	H_2O	CLO_2	H_2O	CLO_2
EPDM	☺	☹	☺	☹	☺	☹	☺	☹
New flexible	☺	☺	☺	☺	☺	☺	☺	☺

Tests made by Aliaxis R&D

GIRPI SYSTEM'O® INNOVATIONS



Fittings for temperature control

CPVC expansion compensators

GIRPI
safety for your pipeworks
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