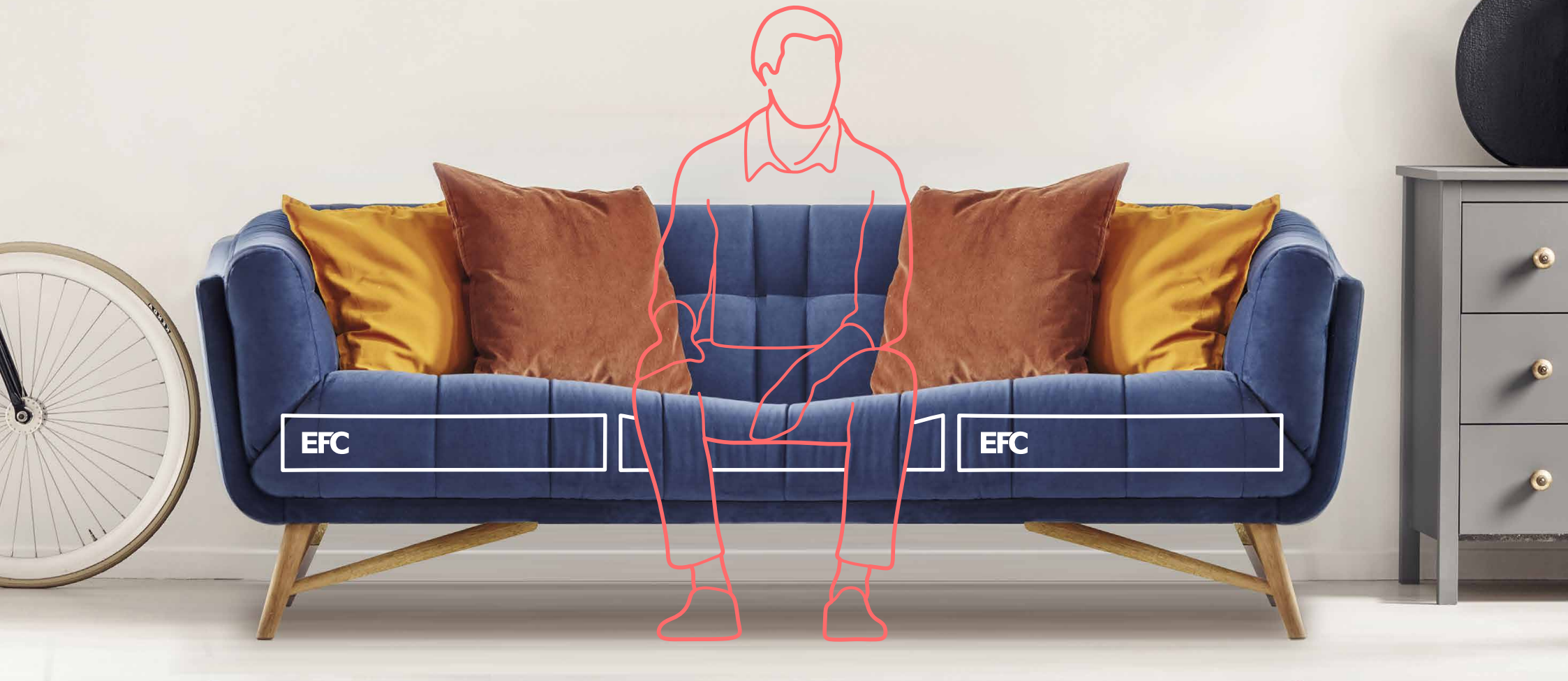
EFC®

COMFORT SYSTEM

A new definition of comfort

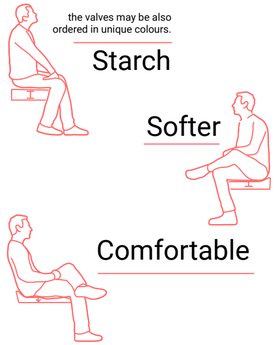
Adjust the firmness of the sitting and reclining surfaces with a single movement

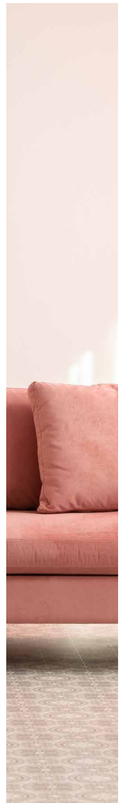


A new definition of comfort

EFC is a pioneering comfort-enhancing innovation for the masses, which allows you to freely adjust the hardness and softness of the sitting and reclining surfaces of any upholstered furniture in a single motion.

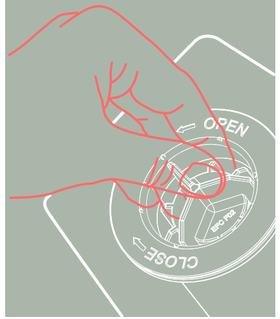
EFC Comfort Technology is the first significant comfort-enhancing technology since the invention of foam rubber in 1966, which is suitable for mass production and can be combined at minimal cost with all popular comfort technologies currently available.





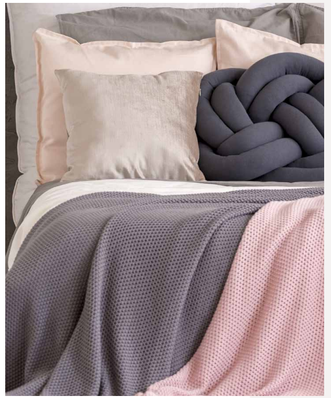
- Suitable for mass production
- At minimum additional cost
- Can be combined with all modern comfort technologies

"The luxury of infinitely adjustable comfort at a single touch"



You can take the comfort of any currently owned cushion or mattress to a new level

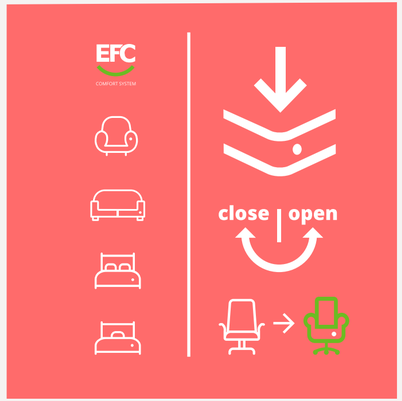
EFC is an integrated comfort technology that makes the firmness (hardness / softness) of any sitting or reclining surface infinitely and uniquely adjustable to the user without using any external energy, at negligible cost when compared to the price of the furniture.

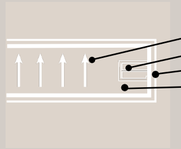


It CAN NOT be cheaper or easier!

EFC Comfort Technology is the simplest and cheapest way to instantly and individually control the hardness or softness of any sitting or reclining surface.

Through lengthy experimentation, simplification, testing, and further simplification, the system has become the ideal and most importantly, cost-effective option that puts the key to people's coveted, personalized and infinitely changeable convenience!





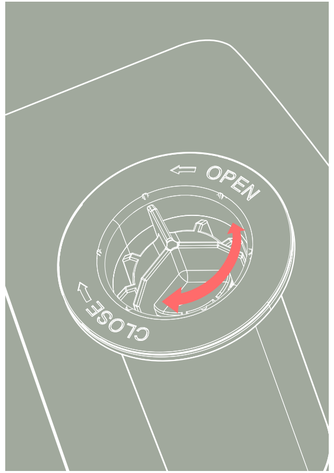
Exactly how does it work?

The keys to EFC Technological Innovation are simplicity and infinite adjustability without external power; the instant variability of hardness or softness.

The principle is very simple yet innovative. Using a control valve and a special airtight layer, you can control how much air complements the natural load-bearing capacity of the mattress.

01

The valve results in a harder seated or lying surface when closed.

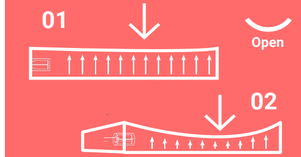


02

If we want to make it softer, we open the valve when loaded and the air flows out of the mattress core through the opened valve due to the load created by our weight. This creates an increasingly softer surface until the sitting or reclining surface reaches its softest state.

The two end states:
01 load-free closed valve = hard surface
02 open valve = soft surface

Between the two endpoints, the user can close the valve at any point when they feel the desired comfort has been achieved. This records the setting and the instantaneous hardness / softness of the sitting or reclining surface.



03

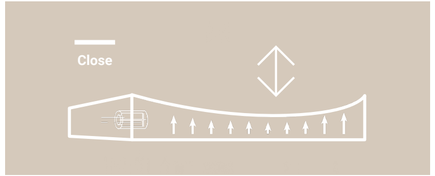
If you want to restore the hardness of a mattress or seat cushion, or if someone else wants to use the furniture and adjust it for their own comfort, all you have to do is get off the furniture and open the cushion valve. The sponge or spring insert immediately regains its original shape as air flows back into the system. As the cushion is filled with air, the valve can be closed again.

04

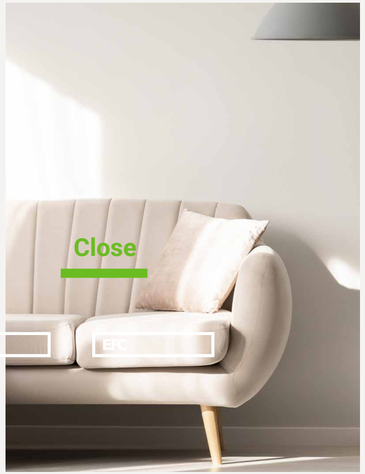
The air flows in and out as a function of load or unloading. The mattress core, when unloaded, always regains its shape and is saturated with air when the valve is open.

The specific hardness state is always recorded by closing the valve.

So, if you want a softer pillow or mattress, by opening the valve, air simply flows out from inside the loaded mattress. As a result, the mattress core will become increasingly softer until it reaches its softest state. With the infinite controller, the user can fix the desired „softness" where it meets their needs.



"Virtually unlimited comfort variations are possible."



How does the EFC cushion get into your furniture?

The EFC is an integrating technology, which implements incorporation into the specific furniture items during manufacturing. The EFC technology is capable of making all the modern comfort systems adjustable, and it may be merged with or complemented with any of the modern comfort systems.

We simply substitute and/or complement the traditionally used sponges, memory foams, pocket springs at the required support areas with an appropriately sized EFC cushion at each place.

It is practical to use an EFC cushion containing an insert that is appropriate for the comfort system of the furniture, and which is of a thickness and size that ensures ideal comfort.


Pocket spring


Memory foam


PU foam


Appropriate system

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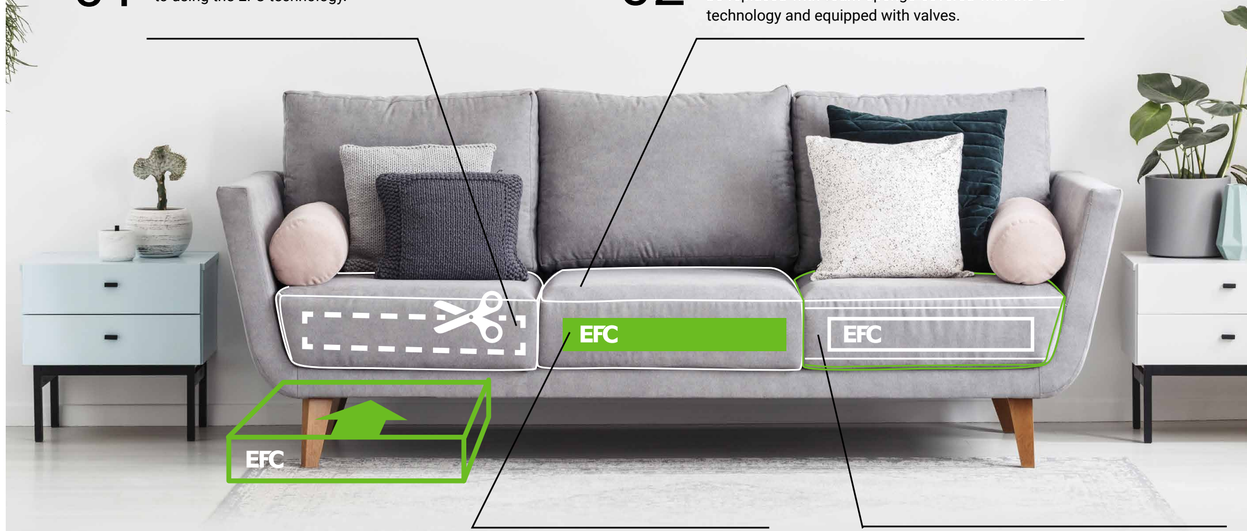
Let us see a sitting surface made with traditional foam sponge, as an example.

01 Less foam has to be used thanks to using the EFC technology.

02 At the loaded section the traditional sponge has to be replaced with foam sponge covered with the EFC technology and equipped with valves.



The support system due to the application of the EFC technology may be simplified without sacrificing any comfort.

It is possible to ensure a higher level of comfort by using foams the quality of which is two level lower.

03 The system may be supplemented with an arbitrary number of comfort layers above and if required under the EFC cushion.

The EFC Comfort Technology creates - at an acceptable cost - a significant added value in the field of furniture and bed mattresses.

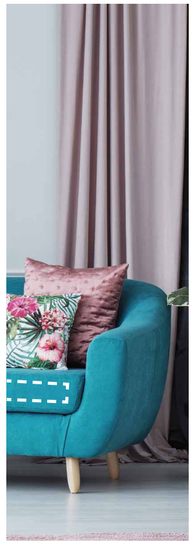
01 It is possible to achieve a higher level of comfort with using this technology, even with foams that are of lower quality.

02 In many cases, with using simpler support solutions it is possible to ensure a higher level of comfort experience.

03 On the other hand, with using high quality materials and appropriate layering it may not be only alleged, but we will actually get a premium comfort from all aspects.

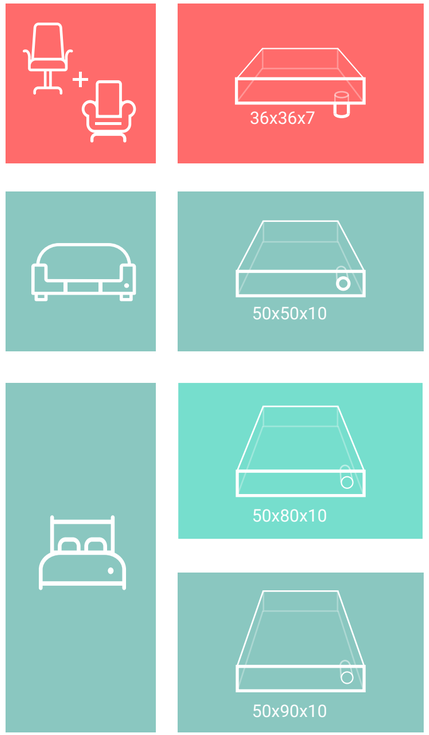
04 It does not puff, it is hygienic, and bacteria do not settle therein.

05 Lifetime guarantee.

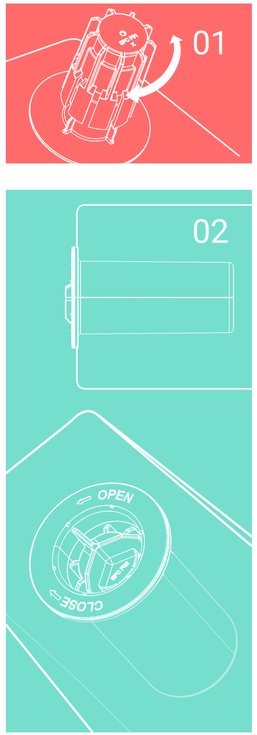


Main EFC cushion types

Main dimensions



Valve types and their placement



We have to fix the valve to a place that fits to the design of the furniture, this means that we have different options for placing the valve.

The system basically may be fitted with three types of valves:

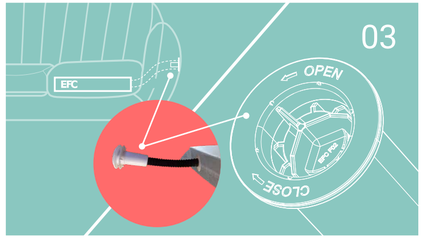
01 external valve (t is practical to use it in the case of chairs and swivel chairs),

02 recessed valve (it is practical to use it in the case „free" cushions),

03 recessed valve equipped with an outlet – it is practical to apply it in the case of integrated cushions! (provided the valve outlet is not directly on the cushion, and we wish to place it at an arbitrary point of the furniture),

04 the recessed valves may be hidden, as required,

05 the valves may be also ordered in unique colours.



05

RAL 7021 RAL 8001

RAL 6038 RAL 9003

Why is it worth it for the Manufacturer?

The ability to adjust the softness of sitting and lying surfaces will radically change people's perceptions of comfort.

Added value

EFC Technology does not replace the comfort systems used so far, but complements them by controlling the hardness and softness of the loaded surface with a single movement. In this way, it adds significant value to furniture that has been introduced and proven in the market, as well as newly developed pieces. You can read more about the value-adding effect of the technology below.

Extra Profit

The infinite variability in comfort of sitting or reclining furniture has a profit-increasing effect on three levels:

- Novelty and significant added value allow for higher margins.
- Due to the favorable price of the technology, you can even decide to sell in a significantly higher volume with the same margin.
- The demand for design furniture is increasing. Adjustable comfort allows the customer to avoid compromising between design and comfort.

Low cost

Most technologies that promise a similar effect increase costs to such an extent that they can only be sold in the premium category. In contrast, EFC technology hardly changes the cost of manufacturing a particular piece of furniture.

We do not rely on chance. We provide significant marketing support to all our partners.

In order to take advantage of the huge potential of EFC technology, we plan strong communication with end consumers, opinion leaders and commerce.

Outstanding marketing support

A)

EFC's end-user communication builds a brand and strongly emphasizes functionality, thereby supporting manufacturer communication and sales goals. However, communication is open, so even manufacturer's products can be included in EFC promotional materials as part of our communication to technology end users.

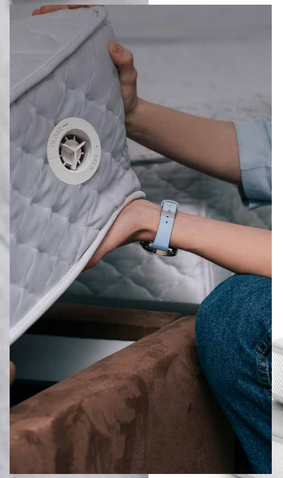
B)

In addition to information and regular PR materials, opinion leaders are constantly provided with publishable professional consulting and inspiring materials that can even be used for entertainment purposes.

C)

Retailers receive unique sales support in the market. In addition to powerful online materials and standard printed and point-of-sale materials, we provide technology and sales engineering and communication training to retailers. In addition, we provide key sales partners with the opportunity to create demonstration corners and "EFC Advisory Centers".

Energy Free Comfort (EFC) technology in brief:



01/ You can make any upholstered furniture or bed mattress more comfortable

The comfort of any seat cushion or mattress you are currently using can be taken to a new level.

02/ Easy and simple to adapt

It can be incorporated into virtually any upholstered furniture or bed mattress with practically minimal modification, with a negligible change in manufacturing cost.

03/ It provides outstanding added value

It does not replace the comfort systems currently in use, but complements them with the luxury of adjustability. It does not replace the manufacturing technologies currently in use, but equips them with the luxury of adjustability.

04/ Can be used and combined with any other comfort system

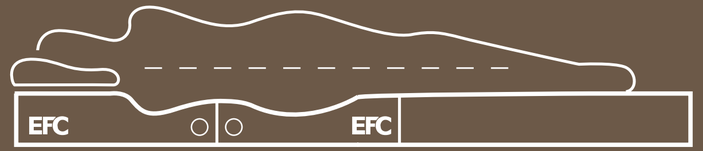
It can be used with smooth and arbitrarily laminated foams, memory foams, bag spring solutions, or any alternative comfort system.

05/ Simple and reliable

EFC technology solves the issue of adjustable seating and reclining comfort in an infinitely simplified way. Its operation is extremely reliable; the possibility of failure is so small that we offer a lifetime warranty.

06/ Suitable for mass production

The cost of using the technology is so low that as a furniture manufacturer, you are free to sell your existing furniture in huge volumes with huge value added, or to market them as premium furniture with outstanding benefits, or to take advantage of both.



How many sales fail every year because of design and comfort do not meet?

With EFC technology, your customers are guaranteed to be satisfied because now their furniture will be just as comfortable as they want it to be at the moment.

From now on, what you like will be just as comfortable as your user claims it to be.

I wonder by what percentage sales will be increased by eliminating this problem? Of the many benefits of EFC comfort technology, one resolves this very contradiction. Your customers will never have to choose between comfort, design and practicality again, because we give them the key to adjustable comfort!

Start the dialogue with us! - Begin the process of integrating EFC comfort technology with us!

We will guide you step by step through the possibilities of adopting EFC technology. We will help you make the ideal decision about the areas of application of the technology with all the necessary information

The goal of the integration process is to effectively identify the benefits and potential challenges of using new comfort technology.

Upon request, we will introduce EFC technology integrated into the furniture you manufacture, so that the differences between traditional and EFC technology become comparable and you can test the benefits of EFC technology on your own furniture.

Be among the first in the market!

For more information, visit our website:

www.efctechnologies.com

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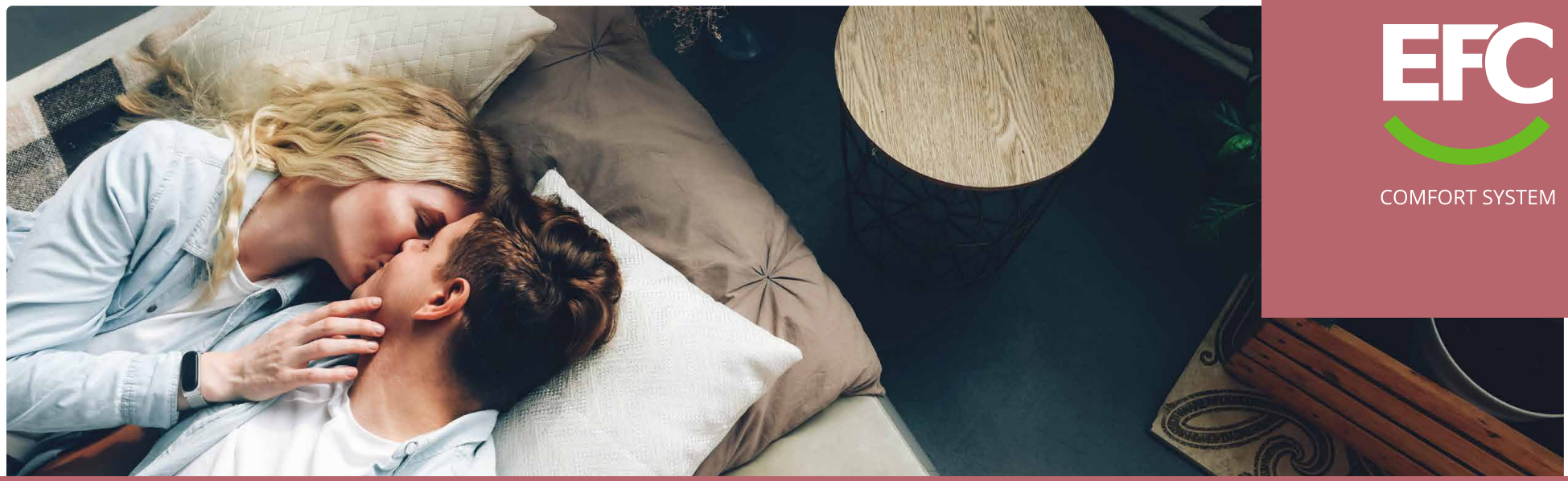

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