



HYFRA

A LENNOX INTERNATIONAL COMPANY

We are HYFRA

Your partner for high-precision, customized cooling technology –
Made in Germany since 1981

Customized. Cooling. Solutions.



01 | Figures, data & facts

02 | Our products

03 | Our services

04 | Our brand

Customized. Cooling. Solutions.



Figures, data & facts

We are your partner for high-precision, customized cooling technology Made in Germany. Our sales and service partners are there for you in over 50 countries.



Established 1981. Growing successfully.

1981 HYFRA was established in Neuwied by mechanical engineer Wolfgang Baum.

1991 The company moved to its present-day headquarters in Krunkel.

1997 HYFRA became a stand-alone brand in the Refrigeration Division of Lennox International. Under the leadership of the American corporation, HYFRA gained a worldwide market presence.

2017 HYFRA is now an innovative sector leader with over 210 employees.



Made in Germany. In demand worldwide.

Our corporate headquarters is in Krunkel / Rhineland-Palatinate.

Our own salespeople are on location in Germany, France, Spain and China.

Our sales and service partners are there for you in over 50 countries.



Sectors – more output for your processes

Our reliable cooling systems have safeguarded and accelerated production processes in a wide range of sectors for over 35 years.

For laser technology, filtration and machine tool applications in particular, HYFRA cooling solutions are first choice when precise, reliable compliance with process temperatures is required.



Machine tool applications



Filtration



Laser

Lennox International Inc. (1/2)

Headquartered in Texas/US, Lennox International Inc. is a leading global supplier of solutions for the heating, air conditioning and refrigeration market.

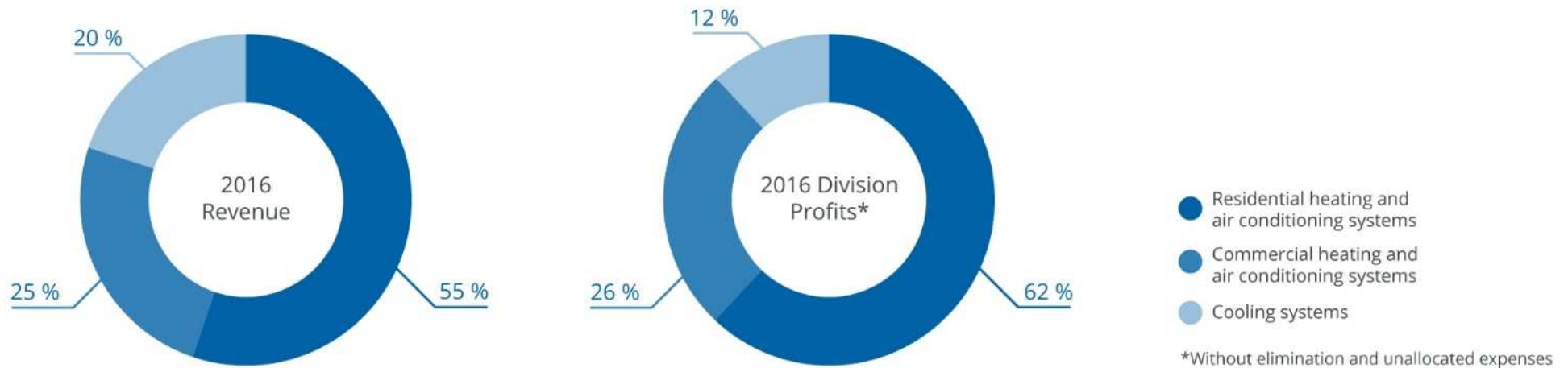


Lennox International Inc. (2/2)

Lennox International Inc. is a leading global supplier of solutions for the heating, air conditioning and refrigeration market.

Since its establishment in 1895, Lennox has been a company that relies on integrity and innovation. Thanks to its committed employees, Lennox represents reliable brands, innovative products and unique quality combined with fast service.

HYFRA with its industrial process cooling business is part of the refrigeration business unit.



We provide the cooling/solution of the future

At HYFRA, inventive power is combined with care, allowing us to always satisfy our customers' high quality standards reliably.

Take the sector-leading **microchannel technology** we developed for example: it reduces the amount of refrigerant used by up to 60%.

Or our energy-saving HYFRA **FleXX technology** for demand-based operation control. HYFRA control units can now optionally be designed for applications in interconnected **Internet of Things processes**.

And in case of malfunction, **HYFRA SERVICE** is available worldwide within 48 hours.



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HYFRA product portfolio

HYFRA offers you a wide range of powerful air- and water-cooled re-coolers with multiple equipment options that we will customize to satisfy your needs.



HYFRA Alpha



HYFRA Alpha c



HYFRA Gamma



HYFRA Sigma
















HYFRA Sigma c



HYFRA eChilly

Product overview

		 HYFRA Alpha Circulating Cooling	 HYFRA Gamma Immersion Cooling	 HYFRA Sigma Recooling	 HYFRA eChilly Recooling
	Reduced footprint	✓	✓	✓	
	Compact version	✓		✓	
	Flex technology	✓	✓	✓	
	Water	✓	✓	✓	✓
	Oil	✓	✓		
	Emulsion	✓	✓		
	Cooling capacity	5 – 80 kW 	5 – 160 kW 	5 – 320 kW 	1 – 7 kW 

HYFRA FleXX

- ✓ Energy efficiency: up to 30% lower power consumption
- ✓ High operational reliability through PLC control
- ✓ Flexible power supply
- ✓ Temperature precision of up to ± 0.1 K
- ✓ Made in Germany
- ✓ Low operating costs
- ✓ Reduced use of refrigerants
- ✓ Operating data collection and evaluation
- ✓ High service time and cost transparency



HYFRA products: example applications

HYFRA Sigma in the automotive industry. HYFRA models with reduced base dimensions create room and add flexibility to production layouts.





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The HYFRA service promise

HYFRA SERVICE is available worldwide. Our own service team and our local partner's experienced cooling system technician promise quick repair in case of failure. And we are the right point of contact for all maintenance, service and (new) installation work.



1 h:
First response



2 h:
Remote service*



24 h:
Repair within Europe
(unless special spare
parts are required)



36–48 h:
Worldwide repair and
spare part availability

The 3 pillars of HYFRA 24/7 service

01

Expertise



We have over 35 years of experience with sophisticated cooling systems. Our project engineers, service team and the employees of our local partners are thoroughly qualified and regularly attend training sessions.

02

Economic efficiency



We will submit a customized offer to you with fair prices and a transparent cost overview. We carry out orders quickly in order to facilitate fast system availability.

03

Reliability



We meet deadlines and are reliable. We deliver what we promise. If extra costs become necessary for complex system repairs, for example, we will provide you with a transparent itemization.



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Our vision – which path will HYFRA take?

We want to develop and build the best cooling solutions in the world. And in the process, master technical challenges in partnership with our customers.

We want to continuously set new standards of quality and reliability. We will provide partnership and assistance to our customers over our systems' entire life cycles.

Some technical developments are only possible in theory today. With our joint know-how, we want to drive them forward and help them become reality.



Our claim

We support our customers – in the laser industry, machine tool engineering and filtration, in particular – with the process cooling of their machines.

Customized. Cooling. Solutions.

We can adapt our standard models to a variety of needs.

As required, we will develop the perfect solution for you according to your specifications.

We always find the best product-service-solution for you.

This is why HYFRA has been successful for over 35 years.

Modern, consistent brand image

A uniform look and the new, targeted communication materials reinforce our corporate identity.



Our recipe for success?

Precision, inventive engineering spirit – and open communication with our customers.



HYFRA Industriekühlanlagen GmbH

Industriepark 54

56593 Krunkel, Germany

+49 2687 898 0

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