



Products

WE INCREASE
UPTIME AND EFFICIENCY
IN THE REFRIGERATION INDUSTRY



We invest in innovation and meticulous testing to develop products that improve your business.



HBCP compressor protection

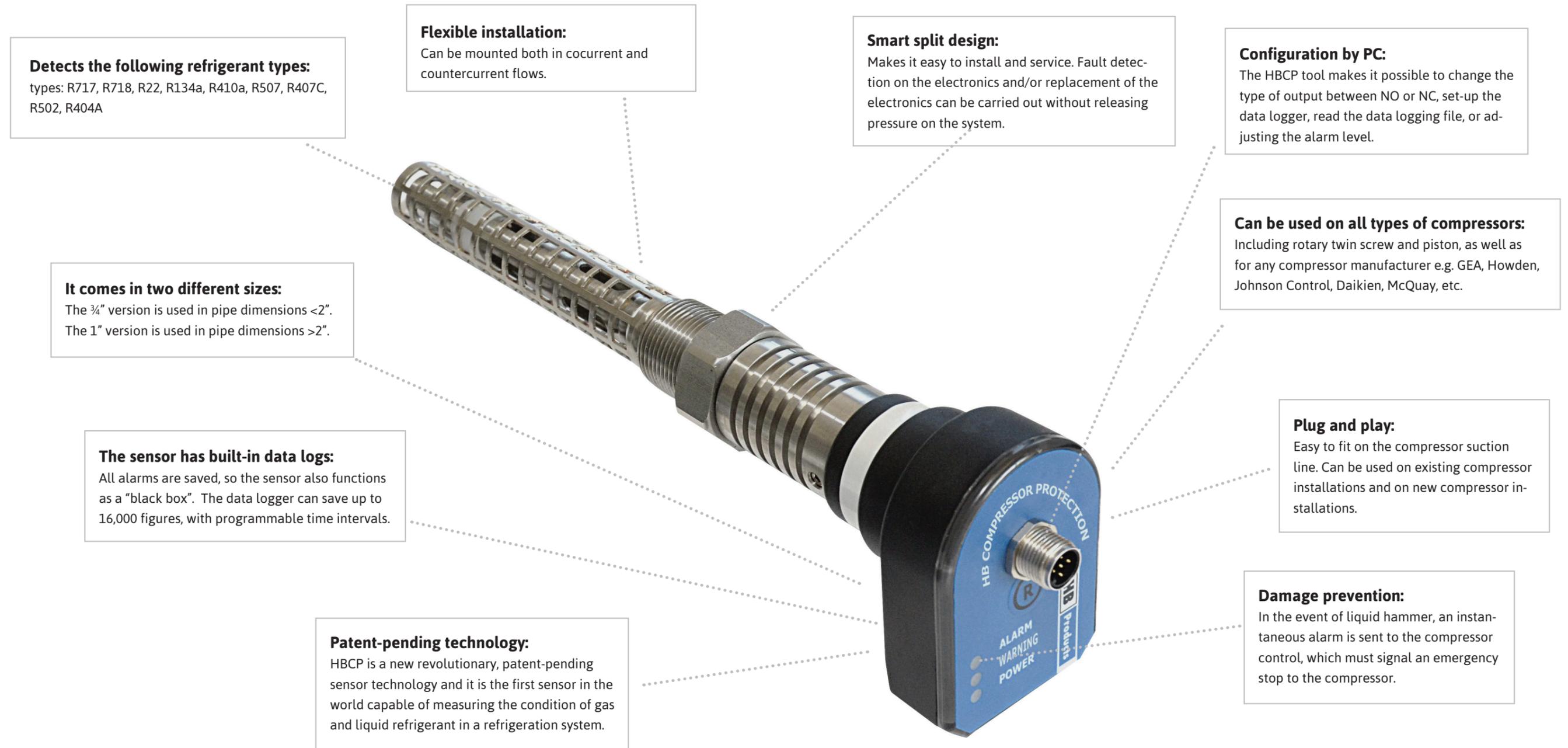


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Damage prevention... with HBCP compressor protection

New and revolutionary sensor technology that protects the compressor against liquid hammer.



Patent-pending sensor technology

HBCP is a new revolutionary, patent-pending sensor technology and it is the first sensor in the world capable of measuring the condition of gas and liquid refrigerant in a refrigeration system. HBCP is used for detecting gas quality at the intake of refrigeration compressors. The sensor thereby ensures that liquid refrigerant does not enter the compressor and cause damage to the moving parts. The sensor has a high sensitivity and even detects small liquid droplets before they become critical for the compressor.

Liquid overflow is the system owner's biggest nightmare!

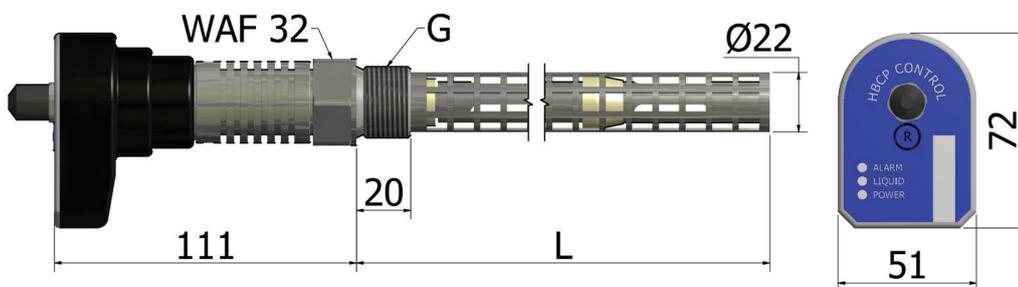
The costs associated with compressor damage can vary between 10,000 and 60,000 Euro, depending on the extent of the liquid overflow from the liquid separator as well as the make of the compressor. Liquid overflow is the system owner's biggest nightmare! Once a liquid overflow begins, so does the discussion with the system manufacturer and/or the compressor manufacturer on the apportionment of liability. Apart from the servicing costs, additional costs can easily add up for the days when the refrigeration system is out of order.

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Ordering code:

Pipe size (compressor line)	Length (L)	Connection	Ordering code
< 2"	150 mm	3/4" NPT	HBCP-R-1.5-2
< 2"	150 mm	3/4" BSPP	HBCP-R-1.5-6
> 2"	300 mm	1" BSPP	HBCP-R-3-8
> 2"	300 mm	1" NPT	HBCP-R-3-9

Dimension:**Specification:**

Supply		Mechanical specifications	
Voltage	24 V DC + 10%	Thread connection	3/4" NPT and 1" BSPP
Power usage	Max 30 mA	Material contact with liquid	AISI 304
Output		Configuration & indication	
Transistor PNP	NO or NC	Configuration	PC tool – "HBCP TOOL"
Alarm indication	Warning / Alarm	LED Indication	LED (green, yellow, and red)
Data logging	Read using PC	Data logging	Read using PC
Cable (included)		Accessories	
5m cable with M12 plug	HBxC-M12/5	Software tool	HBCP TOOL
Cable specifications	PUR -5m x 0,34mm ²	Programing cable	HBxC-USB

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