

PREMIX XR+ GAS WARM AIR HEATER



Decentralized modulating gas warm air heater
for highest comfort



EFFICIENCY AND ECONOMY

The innovative burner and heat exchanger technology combined with the modern control technology realizes optimum comfort with efficient use of energy.

The direct heated gas-fired warm air heater works with particularly low emissions and in the high control performance. These warm air heaters provide the perfect solution for economic and efficient heating of industrial and commercial premises.

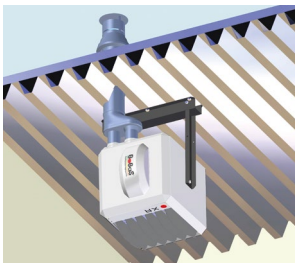
Best climate for your buildings – that principle motivates GoGaS. This is achieved through the latest technology such as the PREMIX burner technology with a modulation range of 60 up to 100 %.

The efficient supply air fan works silent and adapts to the heat output. The stainless steel combustion chamber, the housing and the individually adjustable blowout lamellas are designed for longevity and comfort.

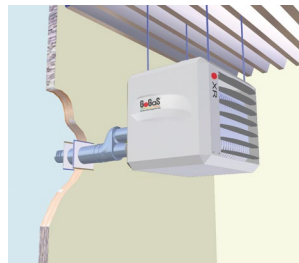
Expect more: The series XR+ is equipped with a destratification circuit to reduce the temperature gradient in the building. The so far unused heat cushions of the solar radiation and the production related heat emissions can be used to heat the building without starting the burner. High-quality technology in the roof area can be protected effectively against excessive temperature and it will last significantly longer.

Burner- and system fan operate stepless and modulating and allow additional comfort and an increase of efficiency. Energy savings up to 15 % compared to standard systems are possible.

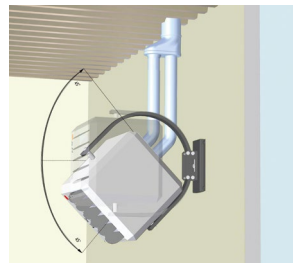
Variable mounting options



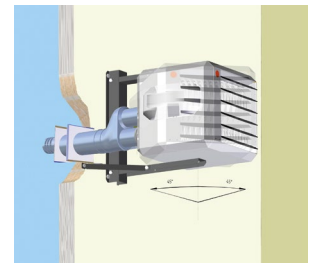
Vertical, exhaust gas discharge through the roof



Horizontal, exhaust gas discharge through the wall



Flexible, exhaust gas discharge through the roof



Horizontal flexible, exhaust gas discharge through the wall

► PREMIX Serie XR+

Compact dimensions, low weight and different fastening systems allow space-saving and easy installation.

For an optimum air distribution the XR+ can be mounted with a blow out direction from vertical to horizontal.

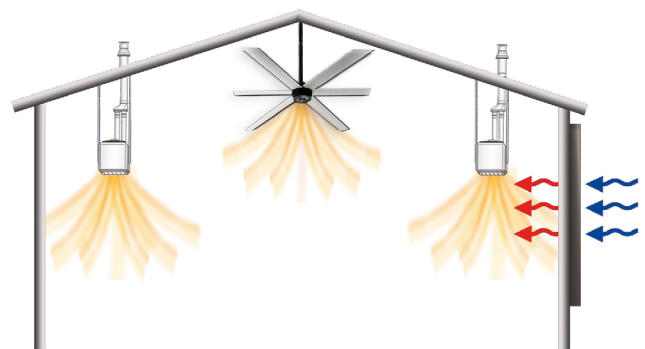
Smart accessories and multiple ways of mounting are the fundamentals for an efficient operation.

Service from one provider: we are supporting you from the planning to the assembly of the XR+ systems and its optional accessories like the exhaust system for wall or roof.

Combine your PREMIX-system with other GoGaS components such as the solar air system LUBI Wall or with the HVLS-fans of the series AirVolution for even more comfort and energy efficiency.



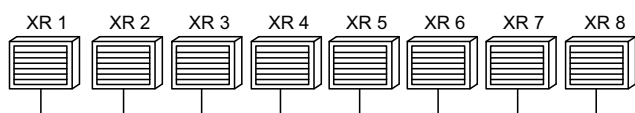
Example 1: warm air heater mounted at the wall with horizontal warm air outlet, with an additional ceiling fan.



Example 2: warm air heater mounted at the roof with an optional ceiling fan and LUBI Wall.

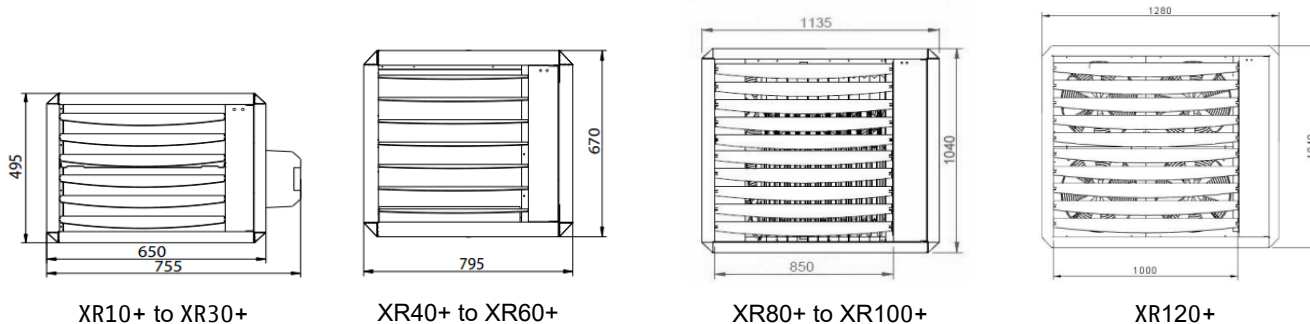
Thermostat MultiTherm

Everything is under control: Group switching of various warm air heaters, summer ventilation, destratification and the optional GLT-connection leave nothing to be desired.



Function	MultiTherm S	MultiTherm C
room temperature-sensitive modulation	●	●
summer ventilation	●	●
offset temperature setting	●	●
frost protection	●	●
failure diagnosis and reset	●	●
weekly program		●
10 programmable time blocks		●
overtime program		●
summer/winter time adjustment		●
intelligent, self-learning control system		●
password protected		●
optional remote control		●

Gas warm air heater PREMIX XR+



Technical specification	Unit	Model XR+ 5.1 (ERP2021)								
		XR10+	XR20+	XR30+	XR40+	XR50+	XR60+	XR80+	XR100+	XR120+
Nominal heat load net (max.)	kW	14,0	22,8	32,0	44,0	55,0	66,0	72,0	91,0	111,0
Nominal heat load net (min.)	kW	8,5	13,5	18,0	26,4	33,0	39,6	48,0	60,0	72,0
Heat output (max.)	kW	12,5	20,7	28,9	41,1	50,7	61,2	68,6	86,9	105,6
Heat output (min.)	kW	8,0	12,8	17,0	25,3	31,5	37,9	46,0	57,6	69,4
Efficiency at full load	%	90,4	90,6	90,4	93,5	92,2	92,7	95,3	95,5	95,1
Efficiency at part load	%	93,8	94,6	94,6	95,8	95,6	95,6	95,9	96,0	96,4
Air volume flow (max.)	m³/h	2750	4000	4200	5400	8000	8000	10200	10700	13000
Horizontal casting distance (max.)	m	22	30	31	32	46	30	38	40	43
Vertikal casting distance	m	5	7	7	8	11	8	-	-	-
Gas connection	G"	1/2"	1/2"	1/2"	3/4"	3/4"	3/4"	1"bi	1"bi	1"bi
Power supply (50 Hz)	V	230	230	230	230	230	230	230	230	230
Electrical power consumption (max.)	kW	0,200	0,300	0,300	0,325	0,750	0,750	0,730	0,760	1,210
Electrical power consumption (min.)	kW	0,165	0,270	0,270	0,250	0,600	0,600	0,560	0,340	0,870
Rated current EC-variant (max.)	kW	0,160	0,175	0,175	0,260	0,475	0,475	0,77	0,63	1,08
Rated current EC-variant (min.)	kW	0,044	0,046	0,046	0,060	0,100	0,100	0,45	0,34	0,75
Electrical power consumption (Standby-operation)	kW	0,004	0,004	0,004	0,004	0,004	0,004	0,006	0,006	0,006
Nominal current (max.)	A	0,9	1,4	1,4	1,5	3,5	3,5	3,3	3,5	5,5
Nominal current EC-variant (max.)	A	1,3	1,6	1,6	1,2	2,3	2,3	3,5	4,8	4,9
Protection class	-	IP 20B								
Emission efficiency (η_p , flowrate)	%	96,8	96,3	95,1	94,2	94,9	94,0	93,9	93,5	93,0
Annual efficiency	%	78,3	78,1	78,4	78,3	78,8	78,3	78,2	77,9	78,0
NOx-emission (GCV)	mg/kWh	48	48	45	39	49	45	51	43	60
NOx-class	-	5	5	5	5	5	5	5	5	5
Exhaustflowrate (max.)	kg/h	21,7	35,5	51,3	70,6	88,2	105,8	115,4	145,9	177,9
Low voltage-Communication bus system for thermostat	-	2-wire low voltage bus								
Chimney-exhaust pressure (max.)	Pa	90	90	90	120	120	120	150	150	150
sound pressure level high (at 5 m)	dB(A)	56,5	58	59	59	64	64	62	62	62
sound pressure level low (at 5 m)	dB(A)	54	56,5	56	54,5	58	58	58	58	58
Minimum mounting height (horizontal casting distance)	m	2,7	2,7	2,7	2,7	2,7	2,7	2,7	2,7	2,7
Minimum mounting height (vertikal casting distance)	m	4	4	4	5	6	6	-	-	-
Max. length of the exhaust system piping (vertikal / horizontal)	m	6	6	6	8	8	8	9	9	9
Max. length of the exhaust system with vertikal device mounting	m	2	2	2	2	2	2	-	-	-
Weight	kg	46	50	53	78	86	82	185	195	215

If you have any questions, please contact the GoGas Goch GmbH & Co. KG