WXS Series Explosion-Proof Catalytic Heater

Thinner Space Saving Unit

The Cata-Dyne™ WXS Series "Slim Line" explosion-proof catalytic heater is everything our WX Series heater has become renowned for with the added feature of a more compact 1 ½" (38 mm) thick stainless steel cabinet. This design versatility allows it to be used in both traditional installations and in compact enclosures for valves, regulators and instrumentation.

Applications

Slim Line heaters are used in many different applications that involve spot or space heating where hazardous materials may be present.

These include:

- comfort heating for industrial buildings and installations
- freeze protection for equipment or components

Features

- these units are designed to run on either clean natural gas or propane
- all standard Cata-Dyne™ accessories can be used with the Slim Line models
- 1 ½" (38 mm) thinner than the standard Cata-Dyne™ heater
- equipped with universal mounting brackets, the heater can easily be mounted into existing facilities or enclosures
- heater boxes are constructed of 300 series stainless steel for maximum corrosion protection
- units are fitted with standard 3/8" NPT gas connections.
- no power is needed to operate the heaters or their controls once the heater has started and the catalytic reaction has been established
- our QuikSTART heater technology reaches the catalytic threshold faster bringing the heater to full operating temperature in half the time
- our explosion-proof catalytic technology is the most efficient in the industrial heating market
- heater contains no moving parts and is designed to operate indefinitely when supplied with air and clean fuel
- internal heater components such as our proprietary catalyst pad and preheat Caloritech™ tubular element are manufactured in-house

Certifications

- FM, Class I, Division 1, Group D explosion-proof ratings

See TABLE 4 on page 14 for fuel & electrical ratings.

TABLE 3 - Fuel and Electrical Rating Data
G Series CSA and FM

MODEL NO.	Maximum Gas Input BTU/hr (kW) Natural Gas & Propane		Minimum Gas Input BTU/hr (kW) Natural Gas		Minimum Gas Input BTU/hr (kW) Propane		Maximum Gas Flow CFH Natural Gas	Maximum Gas Flow CFH Propane	Maximum Gas Flow m³/hr Natural Gas	Maximum Gas Flow m³/hr Propane	Start-Up Amperage 12V	120V	208V	240V	380V	480V	600V
G6x6	1,500	(0.440)	500	(0.147)	375	(0.110)	1.5	0.6	0.0425	0.0170	7.1	0.7	~	0.4	~	~	~
G6x12	3,000	(0.879)	1,000	(0.293)	750	(0.220)	3.0	1.2	0.0850	0.0340	7.1	0.7	~	0.4	~	~	~
G6x24	6,000	(1.758)	2,000	(0.586)	1,500	(0.440)	6.0	2.4	0.1699	0.0680	15.0	2.1	1.2	1.0	~	~	~
G8x8	2,667	(0.782)	900	(0.264)	700	(0.205)	2.7	1.1	0.0755	0.0302	7.1	0.7	~	0.4	~	~	~
G10x12	5,000	(1.465)	1,700	(0.498)	1,250	(0.366)	5.0	2.0	0.1416	0.0566	15.0	2.1	1.2	1.0	~	~	~
G12x12	6,000	(1.758)	2,000	(0.586)	1,500	(0.440)	6.0	2.4	0.1699	0.0680	15.0	2.1	1.2	1.0	~	~	~
G12X24	12,000	(3.517)	4,000	(1.172)	3,000	(0.879)	12.0	4.8	0.3398	0.1359	30.0	4.2	2.4	2.1	~	1.5	0.9
G12x36	18,000	(5.275)	6,000	(1.758)	4,500	(1.319)	18.0	7.2	0.5097	0.2039	~	5.0	2.9	2.5	1.6	1.3	1.0
G12x48	24,000	(7.034)	8,000	(2.345)	6,000	(1.758)	24.0	9.6	0.6796	0.2718	30.0	6.7	3.9	3.3	2.1	1.7	1.3
G12x60	30,000	(8.792)	10,000	(2.931)	7,500	(2.198)	30.0	12.0	0.8495	0.3398	45.0	10.4	6.0	5.2	3.3	2.6	2.1
G12x72	36,000	(10.551)	12,000	(3.517)	9,000	(2.638)	36.0	14.4	1.0194	0.4078	~	12.1	7.0	6.0	3.8	3.0	2.4
G18x24	18,000	(5.275)	6,000	(1.758)	4,500	(1.319)	18.0	7.2	0.5097	0.2039	30.0	4.2	2.4	2.1	~	1.5	~
G18x30	22,500	(6.594)	7,500	(2.198)	5,625	(1.649)	22.5	9.0	0.6371	0.2549	~	~	~	~	~	1.5	~
G18x36	27,000	(7.913)	9,000	(2.638)	6,750	(1.978)	27.0	10.8	0.7646	0.3058	~	10.0	5.8	5.0	3.2	2.5	2.0
G18x48	36,000	(10.551)	12,000	(3.517)	9,000	(2.638)	36.0	14.4	1.0194	0.4078	~	13.3	7.7	6.7	4.2	3.3	2.7
G18x60	45,000	(13.188)	15,000	(4.396)	11,250	(3.297)	45.0	18.0	1.2743	0.5097	~	20.8	12.0	10.4	6.6	5.2	4.2
G18x72	54,000	(15.826)	18,000	(5.275)	13,500	(3.956)	54.0	21.6	1.5291	0.6116	~	24.2	14.0	12.1	7.6	6.0	4.8
G24x24	24,000	(7.034)	8,000	(2.345)	6,000	(1.758)	24.0	9.6	0.6796	0.2718	30.0	4.2	2.4	2.1	~	1.5	~
G24x30	30,000	(8.792)	10,000	(2.931)	7,500	(2.198)	30.0	12.0	0.8495	0.3398	30.0	4.2	2.4	2.1	~	1.5	~
G24x36	36,000	(10.551)	12,000	(3.517)	9,000	(2.638)	36.0	14.4	1.0194	0.4078	~	10.0	5.8	5.0	3.2	2.5	2.0
G24x48	48,000	(14.067)	16,000	(4.689)	12,000	(3.517)	48.0	19.2	1.3592	0.5437	~	13.3	7.7	6.7	4.2	3.3	2.7
G24x60	60,000	(17.584)	20,000	(5.861)	15,000	(4.396)	60.0	24.0	1.6990	0.6796	~	20.8	12.0	10.4	6.6	5.2	4.2
G24x72	72,000	(21.101)	24,000	(7.034)	18,000	(5.275)	72.0	28.8	2.0388	0.8155	~	24.2	14.0	12.1	7.6	6.0	4.8

TABLE 4 - WXS Slim Line Series FM Only

MODEL NO.	Maximum Gas Input BTU/hr (kW) Natural Gas & Propane		Minimum Gas Input BTU/hr (kW) Natural Gas		Minimum Gas Input BTU/hr (kW) Propane		Maximum Gas Flow CFH Natural Gas	Maximum Gas Flow CFH Propane	Maximum Gas Flow m³/hr Natural Gas	Maximum Gas Flow m³/hr Propane	Start-Up Amperage 12V	120V	240V
WXS6x6	1,750	(0.513)	583	(0.171)	438	(0.128)	1.8	0.7	0.0496	0.0198	7.1	0.7	0.4
WXS6x12	3,500	(1.025)	1,167	(0.342)	875	(0.256)	3.5	1.4	0.0991	0.0396	7.1	0.7	0.4
WXS6x24	7,000	(2.050)	2,333	(0.684)	1,750	(0.513)	7.0	2.8	0.1982	0.0793	15.0	2.1	1.0
WXS8x8	3,111	(0.911)	1,037	(0.304)	778	(0.228)	3.1	1.2	0.0881	0.0352	7.1	0.7	0.4
WXS10x12	5,833	(1.709)	1,944	(0.570)	1,458	(0.427)	5.8	2.3	0.1652	0.0661	15.0	2.1	1.0
WXS12x12	7,000	(2.050)	2,333	(0.684)	1,750	(0.513)	7.0	2.8	0.1982	0.0793	15.0	2.1	1.0
WXS12x24	14,000	(4.101)	4,667	(1.368)	3,500	(1.026)	14.0	5.6	0.3964	0.1586	30.0	4.2	2.0