

# WX Series Explosion-Proof Catalytic Heater

The Cata-Dyne™ WX Series infrared gas catalytic explosion-proof heaters are the industry standard for hazardous location heating needs. They are available in over twenty, three-inch depth cabinet sizes, with gas, electrical and accessory connections on the back side of the heater. These are the heaters of choice for many of our customers who have come to trust their reliability.

## Applications

WX Series 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
- drying or curing processes

## Features

- heater box constructed of 300 series stainless steel for corrosion protection
- Cata-Dyne™ proprietary explosion-proof catalyst pad.
- standard 3/8" NPT gas connections
- explosion-proof electrical junction box with standard 3/4" NPT connections
- Cata-Dyne™ heaters are designed to operate on either natural gas or propane
- Cata-Dyne™ heaters do not require electrical power to operate once they have been started
- 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

The WX Series Cata-Dyne™ explosion-proof catalytic heaters are approved for the following:

- Canadian Standards Association (CSA) for use in Class I, Division 1 & 2, Group D hazardous locations
- Factory Mutual (FM) for use in Class I, Division 1, Group D hazardous locations. Temperature code T2C at an ambient temperature of 40°C (104°F)
- CE marked and ATEX certified

See TABLE 1 on page 13 for fuel & electrical ratings.



WX

**TABLE 1 - Fuel and Electrical Rating Data  
WX Series - CSA and FM**

Model No.	Maximum Gas Input		Minimum Gas Input				Maximum Gas Flow				Start-Up Amperage						
	Btu/hr (kW)		Btu/hr (kW)				CFH		m <sup>3</sup> /hr		12V	120V	208V	240V	380V	480V	600V
	Natural Gas & Propane		Natural Gas		Propane		Natural Gas	Propane	Natural Gas	Propane							
WX6x6	1,250	(0.366)	500	(0.147)	375	(0.110)	1.25	0.5	0.0354	0.0142	7.1	0.7	~	0.4	~	~	~
WX6x12	2,500	(0.733)	1,000	(0.293)	750	(0.220)	2.5	1.0	0.0708	0.0283	7.1	0.7	~	0.4	~	~	~
WX6x24	5,000	(1.465)	2,000	(0.586)	1,500	(0.440)	5.0	2.0	0.1416	0.0566	15.0	2.1	1.2	1.0	~	~	~
WX6x60	12,500	(3.663)	5,000	(1.465)	3,750	(1.099)	12.5	5.0	0.3540	0.1416	~	~	~	~	~	1.3	~
WX8x8	2,222	(0.651)	900	(0.264)	700	(0.205)	2.2	0.9	0.0629	0.0252	7.1	0.7	~	0.4	~	~	~
WX10x12	4,167	(1.221)	1,700	(0.498)	1,250	(0.366)	4.2	1.7	0.1180	0.0472	15.0	2.1	1.2	1.0	~	~	~
WX12x12	5,000	(1.465)	2,000	(0.586)	1,500	(0.440)	5.0	2.0	0.1416	0.0566	15.0	2.1	1.2	1.0	~	~	~
WX12x24	10,000	(2.931)	4,000	(1.172)	3,000	(0.879)	10.0	4.0	0.2832	0.1133	30.0	4.2	2.4	2.1	~	1.5	0.9
WX12x36	15,000	(4.396)	6,000	(1.758)	4,500	(1.319)	15.0	6.0	0.4248	0.1699	30.0	5.0	2.9	2.5	1.6	1.3	1.0
WX12x48	20,000	(5.861)	8,000	(2.345)	6,000	(1.758)	20.0	8.0	0.5663	0.2265	30.0	6.7	3.9	3.3	2.1	1.7	1.3
WX12x60	25,000	(7.327)	10,000	(2.931)	7,500	(2.198)	25.0	10.0	0.7079	0.2832	45.0	10.4	6.0	5.2	3.3	2.6	2.1
WX12x72	30,000	(8.792)	12,000	(3.517)	9,000	(2.638)	30.0	12.0	0.8495	0.3398	~	12.1	7.0	6.0	3.8	3.0	2.4
WX18x24	15,000	(4.396)	6,000	(1.758)	4,500	(1.319)	15.0	6.0	0.4248	0.1699	30.0	4.2	2.4	2.1	~	1.5	~
WX18x30	18,750	(5.495)	7,500	(2.198)	5,625	(1.649)	18.75	7.5	0.5309	0.2124	~	~	~	~	~	1.5	~
WX18x36	22,500	(6.594)	9,000	(2.638)	6,750	(1.978)	22.5	9.0	0.6371	0.2549	~	10.0	5.8	5.0	3.2	2.5	2.0
WX18x48	30,000	(8.792)	12,000	(3.517)	9,000	(2.638)	30.0	12.0	0.8495	0.3398	~	13.3	7.7	6.7	4.2	3.3	2.7
WX18x60	37,500	(10.990)	15,000	(4.396)	11,250	(3.297)	37.5	15.0	1.0619	0.4248	~	20.8	12.0	10.4	6.6	5.2	4.2
WX18x72	45,000	(13.188)	18,000	(5.275)	13,500	(3.956)	45.0	18.0	1.2743	0.5097	~	24.2	14.0	12.1	7.6	6.0	4.8
WX24x24	20,000	(5.861)	8,000	(2.345)	6,000	(1.758)	20.0	8.0	0.5663	0.2265	30.0	4.2	2.4	2.1	~	1.5	~
WX24x30	25,000	(7.327)	10,000	(2.931)	7,500	(2.198)	25.0	10.0	0.7079	0.2832	30.0	4.2	2.4	2.1	~	1.5	~
WX24x36	30,000	(8.792)	12,000	(3.517)	9,000	(2.638)	30.0	12.0	0.8495	0.3398	~	10.0	5.8	5.0	3.2	2.5	2.0
WX24x48	40,000	(11.723)	16,000	(4.689)	12,000	(3.517)	40.0	16.0	1.1327	0.4531	~	13.3	7.7	6.7	4.2	3.3	2.7
WX24x60	50,000	(14.654)	20,000	(5.861)	15,000	(4.396)	50.0	20.0	1.4159	0.5663	~	20.8	12.0	10.4	6.6	5.2	4.2
WX24x72	60,000	(17.584)	24,000	(7.034)	18,000	(5.275)	60.0	24.0	1.6990	0.6796	~	24.2	14.0	12.1	7.6	6.0	4.8

**TABLE 2 - MKII Series - CSA and FM**

Model No.	Maximum Gas Input		Minimum Gas Input				Maximum Gas Flow				Start-Up Amperage	
	Btu/hr (kW)		Btu/hr (kW)				CFH		m <sup>3</sup> /hr		12V	120V
	Natural Gas & Propane		Natural Gas		Propane		Natural Gas	Propane	Natural Gas	Propane		
MKII12x12	5,000	(1.464)	2,000	(0.586)	1,500	(0.440)	5.0	2.0	0.1416	0.0566	15.0	2.1
MKII12x24	10,000	(2.929)	4,000	(1.172)	3,000	(0.879)	10.0	4.0	0.2832	0.1133	30.0	4.2
MKII18x24	15,000	(4.393)	6,000	(1.758)	4,500	(1.319)	15.0	6.0	0.4248	0.1699	30.0	4.2
MKII18x48	30,000	(8.787)	12,000	(3.517)	9,000	(2.638)	30.0	12.0	0.8495	0.3398	~	13.3
MKII24x24	20,000	(5.858)	8,000	(2.345)	6,000	(1.758)	20.0	8.0	0.5663	0.2265	30.0	4.2
MKII24x48	40,000	(11.716)	16,000	(4.689)	12,000	(3.517)	40.0	16.0	1.1327	0.4531	~	13.3