

PYROJET HEATERS

MODEL: PL & PH

Revision: 0

BULLETIN
6101/6102

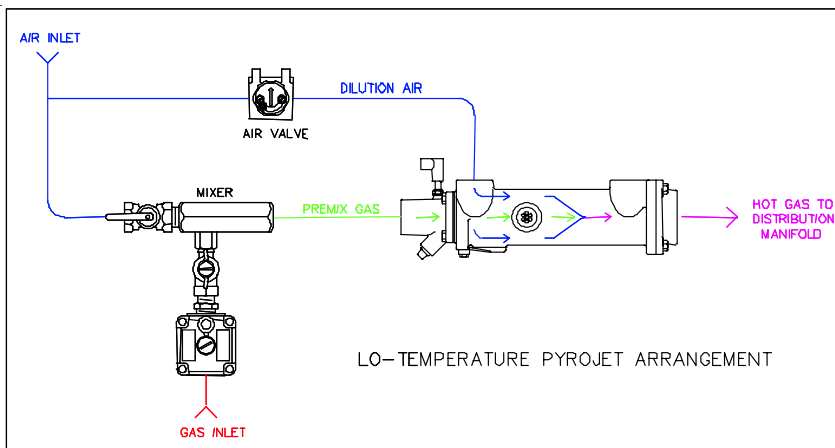
DESCRIPTION

Pyro-jet Heaters are compact, push through, high release and high velocity type heaters. They are designed for processes where discharge air pressures, temperature and velocities are above the capability of normal air handling systems.

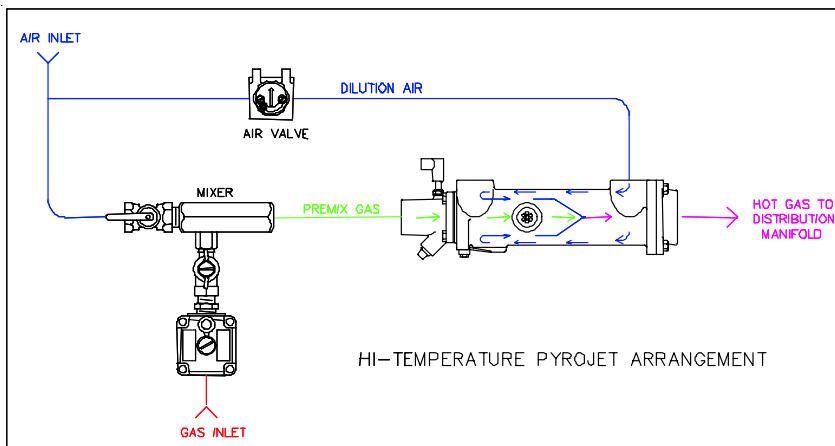
Pyro-jet Heaters are capable of operating in the 300 to 1700 degree F air temperature ranges and with outlet pressures from 2" W.C. to 50 PSIG. They produce a high velocity, high temperature air jet or curtain which makes better contact for high thermal release.



PYRO-JET STYLE PL



PYRO-JET STYLE PH



APPLICATIONS

- Core curing and coating dryers
- Heat for lighting holes in complex core boxes
- Paper and textile drying
- Coating Dryers
- Water dry-off applications
- Mold and core box heating
- Plastic treating, curing and forming
- High speed flameless soldering
- Wax carton sealing
- Glass tempering, lehring, forming
- Air curtains
- Die cast applications
- Food processing

CAUTION: Operation of combustion equipment can be hazardous resulting in bodily injury or equipment damage. Each burner should be supervised by a combustion safeguard and only qualified personnel should install, make system adjustments and perform any required service.



pyronics inc.

COMBUSTION FOR INDUSTRY

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NOTICE: PYRONICS practices a policy of continuous improvement in the design of its products. It reserves the right to change the specifications at any time without prior notice.

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Pyro-jet Heaters are used to supply Pre-heated (Direst Fired) Air for selective applications in a wide range of temperatures, volumes and pressures.

The Capacity charts show BTU, Air Volumes< Outlet Pressures and Recommended mixer types foe 16 oz., and 40 PSIG air. The charts show recommended heaters and provide the basis for calculations where varying air inlet and outlet pressures are required.

PYRO-JET SERIES PL - UP TO 800 DEGREES F

CATALOG No.	16 Air Supply Oz.				40 PSIG Air Supply			
	Max. Cap. BTU/Hr.	Air Cap. SCFM (diluted)	•Max. Outlet Pressure	Mixer Size	Max. Cap. BTU/Hr.	Air Cap. SCFM (diluted)	•Max. Outlet Pressure	Mixer Size
8PL-4RNF	12,000	30	1" W.C.	2MMCR	17,000	60	2#	1MMCR
12PL-4RNF	30,000	50	2" W.C.	4MMCR	37,000	100	4#	1MMCR
12PL-6RNF	40,000	60	2' W.C.	6MMCR	60,000	120	4#	3MMCR
16PL-4RNF	35,000	70	2" W.C.	2MMCR	40,000	140	4#	1MMCR
16PL-6RNF	50,000	90	2" W.C.	6MMCR	80,000	180	4#	3MMCR
16PL-8RNF	120,000	90	2" W.C.	8MF	170,000	180	4#	4MMCR
16PL-10RNF	150,000	90	2" W.C.	8MF	205,000	180	4#	6MMCR
24PL-6RNF	50,000	200	2" W.C.	6MMCR	80,000	400	4#	3MMCR
24PL-8RNF	120,000	200	2" W.C.	8MF	170,000	400	4#	4MMCR
24PL-10RNF	150,000	200	2" W.C.	8MF	205,000	400	4#	6MMCR

PYRO-JET SERIES PH - UP TO 1600 DEGREES F

CATALOG No.	16 Air Supply Oz.				40 PSIG Air Supply			
	Max. Cap. BTU/Hr.	Air Cap. SCFM (diluted)	•Max. Outlet Pressure	Mixer Size	Max. Cap. BTU/Hr.	Air Cap. SCFM (diluted)	•Max. Outlet Pressure	Mixer Size
12PH-4RNF	30,000	50	2" W.C.	4MMCR	40,000	100	4#	1MMCR
12PH-6RNF	40,000	60	2' W.C.	6MMCR	80,000	120	4#	3MMCR
16PH-4RNF	35,000	70	2" W.C.	2MMCR	50,000	140	4#	1MMCR
16PH-6RNF	50,000	90	2" W.C.	6MMCR	100,000	180	4#	3MMCR
16PH-8RNF	120,000	90	2" W.C.	8MF	175,000	180	4#	4MMCR
16PH-10RNF	150,000	90	2" W.C.	8MF	300,000	180	4#	6MMCR
24PH-6RNF	50,000	200	2" W.C.	6MMCR	100,000	400	4#	3MMCR
24PH-8RNF	120,000	200	2" W.C.	8MF	175,000	400	4#	4MMCR
24PH-10RNF	150,000	200	2" W.C.	8MF	300,000	400	4#	6MMCR

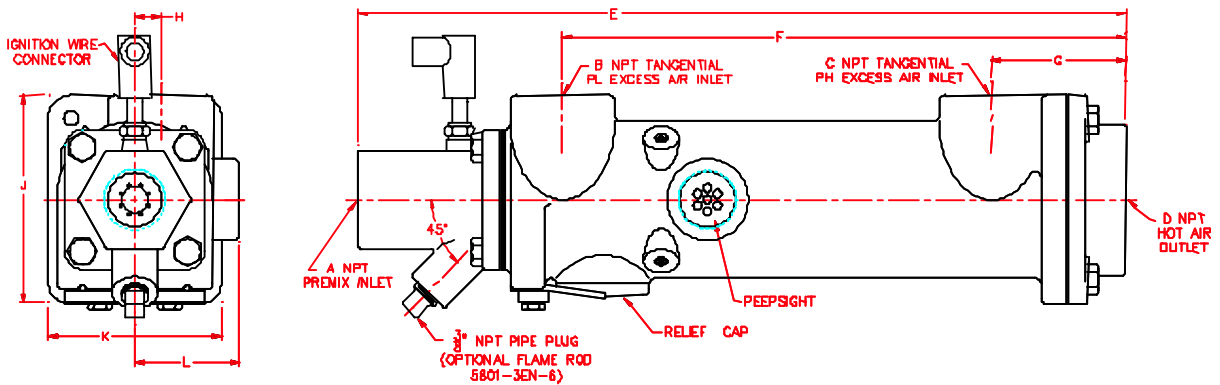
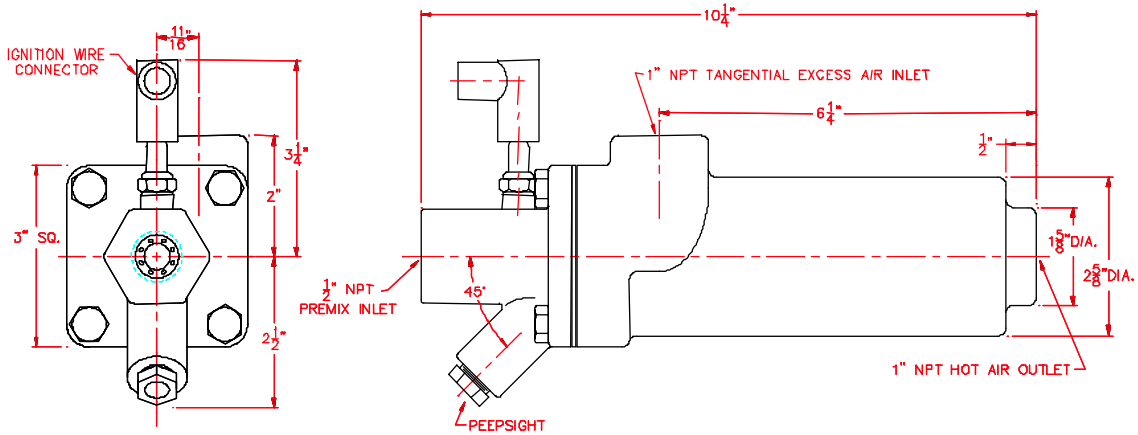
* Zero regulator pressure loaded at high dilution air flows

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DIMENSIONS

8PL-4RNF ONLY



CATALOG No.	A NPT	B (PL) NPT	C (PH) NPT	D NPT	E	F	G	H	J	K	L	WEIGHT LBS
12P_-4RNF	1/2	1-1/4	1-1/4	1-1/2	13-7/8	10-1/8	2-3/4	1/2	3	3	2-1/4	10.5
12P_-6RNF	3/4	1-1/4	1-1/4	1-1/2	13-7/8	10-1/8	2-3/4	1/2	3	3	2-1/4	11.8
16P_-4RNF	1/2	1-1/2	1-1/2	2	16	12-1/8	2-7/8	5/8	4-1/2	3-3/4	2-1/4	15.4
16P_-6RNF	3/4	1-1/2	1-1/2	2	16	12-1/8	2-7/8	5/8	4-1/2	3-3/4	2-1/4	16.7
16P_-8RNF	1	1-1/2	1-1/2	2	16-1/2	12-1/8	2-7/8	5/8	4-1/2	3-3/4	2-1/4	18.0
16P_-10RNF	1-1/4	1-1/2	1-1/2	2	16-1/2	12-1/8	2-7/8	5/8	4-1/2	3-3/4	2-1/4	19.6
24P_-6RNF	3/4	2-1/2	2	3	20-1/8	15-5/8	3-1/2	1/2	4-3/8	4-3/8	2-7/8	21.4
24P_-8RNF	1	2-1/2	2	3	20-5/8	15-5/8	3-1/2	1/2	4-3/8	4-3/8	2-7/8	22.7
24P_-10RNF	1-1/4	2-1/2	2	3	20-5/8	15-5/8	3-1/2	1/2	4-3/8	4-3/8	2-7/8	24.3

ALL DIMENSIONS ARE IN INCHES