

## PRODUCT INFORMATION

### PROPANE SUPERHEATING EQUIPMENT

#### DESCRIPTION

Propane heating is an ideal process for when large volumes of intense heat over a wide area are required, in applications such as shaft bending or straightening, brazing or heavy copper pipe manipulation. The equipment required for this process is Type 3 or 'HD' style gas equipment, with the simple addition of a propane mixer (BB5004), the appropriate length neck and a suitable nozzle.

Alternatively, an NM cutter can be used with the NM propane superheating adapter nozzle (BFNMSHA).



BF1H



BFNMSHA

#### FURTHER INFORMATION

Compatible Equipment: Type 3 'HD' style shank (BB5001) with superheating mixer (BB5004), NM 18/90 or 27/90 universal cutters. Weldability also provide **acetylene** heating gas equipment, which provide quick and efficient heat provision with economically low oxygen use. See sheet BFAHT05.

The flame size and heat output of these nozzles vary considerably with the pressure setting used. Two typical alternatives are given for each size of nozzle. Heat output figures are quoted for combined torches using necks. Figures up to 20% higher will be achieved by using a NM type cutter with a superheating adapter. To identify the correct pressure settings for your application, see the Superheating Nozzle Data chart below.

Nozzle Type	Propane		Oxygen Pressure		Propane Consumption		Oxygen Consumption		Heat Output (est)	
	bar	psi	bar	psi	l/h	ft <sup>3</sup> /h	l/h	ft <sup>3</sup> /h	W	Btu/h
1H	0.14	2	0.7	10	830	29	350	121	244800	72000
	0.49	7	2.1	30	1900	65	7300	255	554200	163000
2H	0.21	3	1.1	15	1200	41	4800	168	348800	102000
	0.56	8	2.5	35	2100	75	8700	304	639200	188000
3H	0.28	4	1.8	25	2100	75	8300	290	62200	18300
	1.1	15	5.0	70	4100	144	16500	575	1227400	361000
4H	0.35	5	2.5	35	2700	94	10600	370	802400	236000
	1.3	18	5.7	80	4800	162	18800	650	1380400	406000
5H	0.85	12	3.5	50	3200	112	12700	444	955400	281000
	2.1	30	8.7	125	7000	246	28000	964	2101200	618000



## ARTICLES & ACCESSORIES

Part Number	Product Description
BB5001	HD SHANK (T3)
BB5004	PROPANE SUPERHEATING MIXER
BFSN11	SUPERHEATING NECK 11"
BFSN27	SUPERHEATING NECK 27"
BF1H	1H TYPE SUPERHEATING NOZZLE
BF2H	2H TYPE SUPERHEATING NOZZLE
BF3H	3H TYPE SUPERHEATING NOZZLE
BF4H	4H TYPE SUPERHEATING NOZZLE
BF5H	5H TYPE SUPERHEATING NOZZLE
BFNMSHA	NM SUPERHEATING NOZZLE ADAPTER

For further information, contact Weldability | Sif technical support on **0870 330 7757** or email **[service@weldability-sif.com](mailto:service@weldability-sif.com)**

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