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PLASTIC PIPE WELDING
TECHNOLOGY

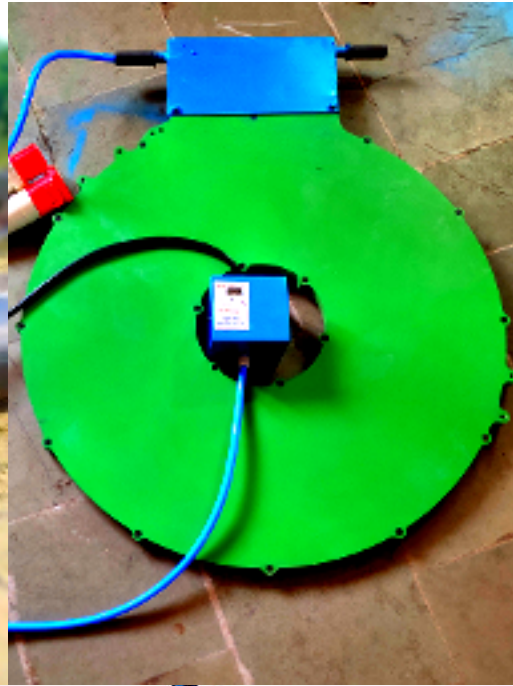
MADE IN INDIA



Robust and Reliable

Welcome to SNI

SHRI NANDA INDUSTRIES was found in 2005 in Delhi ,India. since then ,it has developed as a leading dynamic, customer oriented manufacturing and supply firm in the field of pipe joining / welding equipments for the water,gas,oil and peterochemical projects all around the world. SNI has been supporting all those whose daily work,helps not only to ensure that lifeline reach more and more people ,but also to maintain them in excellent condition by supplying innovative and reliable highest quality pipe tools and machinery.



CONTENT

SNI Manual butt fusion welding machine

	SNI-M -110	05
	SNI-M -160	
	SNI-M -200	

	SNI-M -280	06
	SNI-M -315	
	SNI-M -400	
	SNI-M-500 and above	

SNI Hydraulic butt fusion welding machine

	SNI-200	07
	SNI-280	
	SNI-315	
	SNI -400	

	SNI -500	08
	SNI -560	
	SNI -630	
	SNI -710	

	SNI -900	09
	SNI -1000	
	SNI -1200	
	SNI -1600	

SNI Electrofusion Machine

	SNI-EF-200	10
	SNI-EF-315	
	SNI-EF-500	

SNI HDPE pipe joining heater

	SNI-DH-110	11
	SNI-DH-160	
	SNI-DH-200	
	SNI-DH-280	

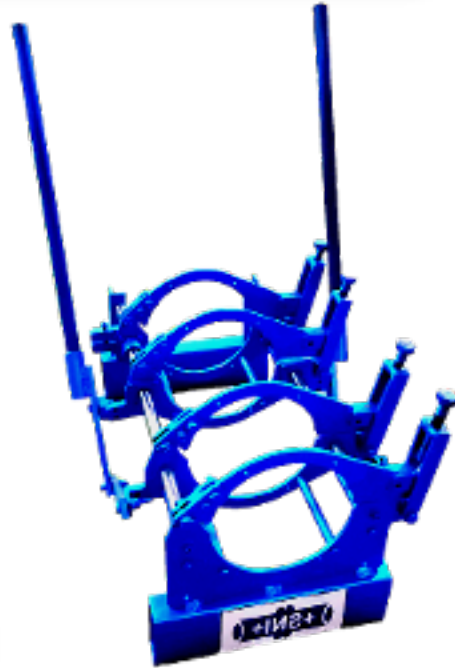
	SNI-DH-315	12
	SNI-DH-355	
	SNI-DH-400	
	SNI-DH-500	

	SNI-DH-560	13
	SNI-DH-630	
	SNI-DH-710	
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SNI PPR pipe joining Heater

	SNI-PPR-63	14
	SNI-PPR-110	
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SNI Manual Butt Fusion Welding Machine



Facer/Cutter (optional)

Application and Features

- ▶ Teflon coated heating plate with digital temperature control system.
- ▶ Suitable for butt welding of plastic pipes and fitting made of PE,PP,HDPE.
- ▶ SNI design patent for frame, ergonomics,robust and reliable.

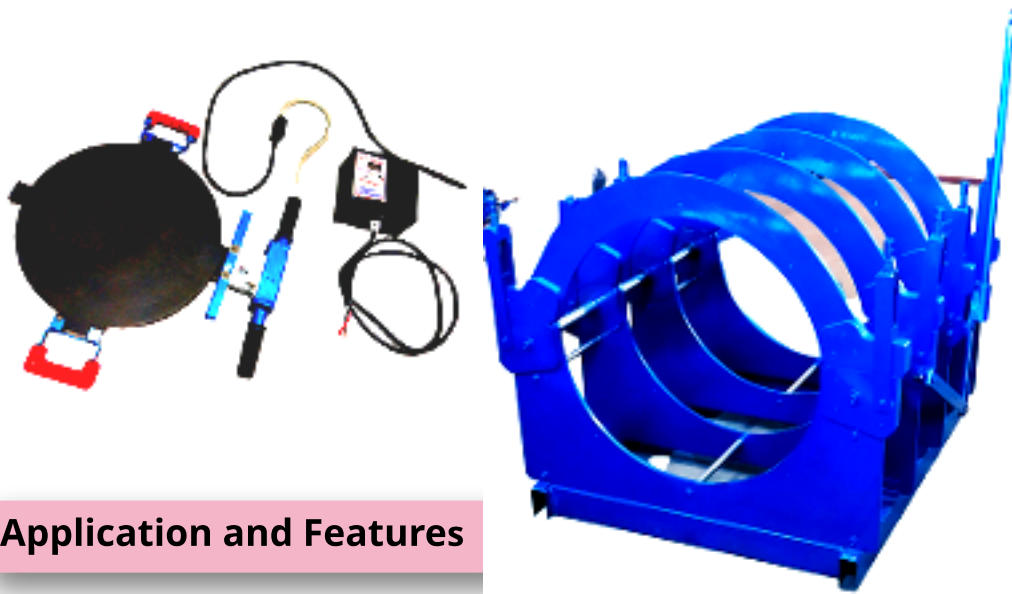
Service and Maintenance

- ▶ One year on site service warranty.
- ▶ 24*7 Customer support.
- ▶ Easy availability of spare parts and components.

Technical Parameters

Model	SNI-M-110	SNI-M-160	SNI-M-200
Pipe Size(mm)	50 to 110	50 to 160	63 to 200
Working Voltage	220 VAC 50 Hz	220 VAC 50 Hz	220 VAC 50 Hz
Heating Plate Temperature	50° C to 350°C	50° C to 350°C	50° C to 350°C
Heating Plate power	1.32 KW	1.54 KW	1.76 KW
Package Contains	jack,heater , tool box	jack,heater, tool box	jack,heater, tool box
Components Material	Mild steel,Al alloy	Mild steel,Al alloy	Mild steel,Al alloy
Setup Weight	12 Kg	16.5 Kg	27.5 Kg

SNI Manual Butt Fusion Welding Machine



Application and Features

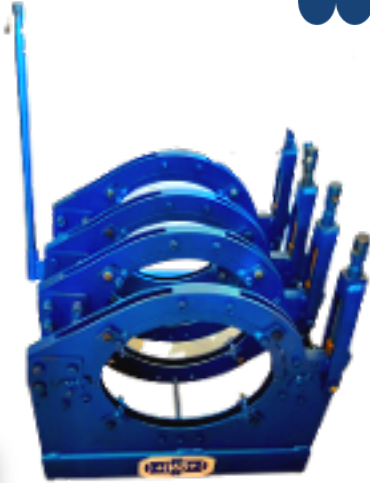
- ▶ Teflon coated heating plate with digital temperature control system.
- ▶ Suitable for butt welding of plastic pipes and fitting made of PE,PP,HDPE.
- ▶ SNI design patent for frame, ergonomics,robust and reliable.

Service and Maintenance

- ▶ One year on site service warranty.
- ▶ 24*7 Customer support.
- ▶ Easy availability of spare parts and components.



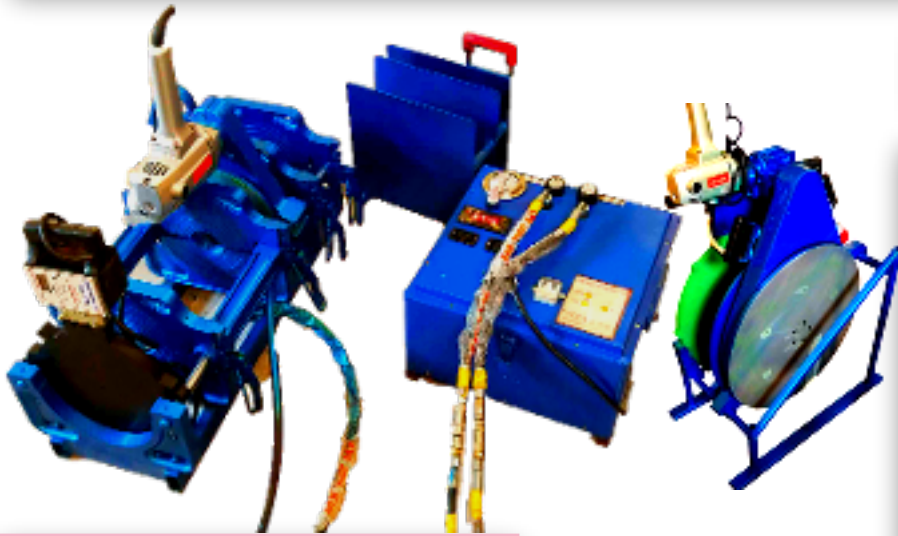
Facer/Cutter (optional)



Technical Parameters

Model	SNI-M-280	SNI-M-315	SNI-M-400
Pipe Size(mm)	63 to 280	63 to 315	160 to 400
Working Voltage	220 VAC 50 Hz	220 VAC 50 Hz	220 VAC 50 Hz
Heating Plate Temperature	50° C to 350°C	50° C to 350°C	50° C to 350°C
Heating Plate power	2.2 KW	2.8 KW	3.52 KW
Components Material	Mild steel,Al alloy	Mild steel,Al alloy	Mild steel,Al alloy
Setup Weight	40.5 Kg	55.5 Kg	77.5 Kg
Package contains	jack,heater and controller	jack,heater and controller	jack,heater and controller

SNI Hydraulic Butt Fusion Welding Machine



Technical Parameters

Model	SNI-200	SNI-280	SNI-315	SNI-400
Pipe Size(mm)	63 to 200	63 to 280	63 to 315	160 to 400
Working Voltage	220 VAC 50 Hz	220 VAC 50 HZ	220 VAC 50 HZ	220 VAC 50 HZ
Heating Plate Temperature	50° C to 350°C	50° C to 350°C	50° C to 350°C	50° C to 350°C
Heating Plate power	1.76 KW	2.20 kW	2.80 KW	4.0 KW
PowerPressure Range	0 to 100 Kg/cm2	0 to 100 Kg/cm2	0 to 100 Kg/cm2	0 to 100 Kg/cm2
Cutter/Facer power	0.7 KW	0.7 KW	0.7 KW	1.4 KW
Hydraulic Unit Power	0.67 KW	0.67 KW	0.67 KW	0.67 KW
Components Material	Mild steel, Al alloy	Mild steel, Al alloy	Mild steel, Al alloy	Mild steel, Al alloy
Setup Weight	94Kg	116 Kg	162 Kg	240 Kg
Package Contains	jack,facer,heater, hydraulic unit, tool box	jack,facer,heater, hydraulic unit, tool box	jack,facer,heater, hydraulic unit, tool box	jack,facer,heater, hydraulic unit, tool box

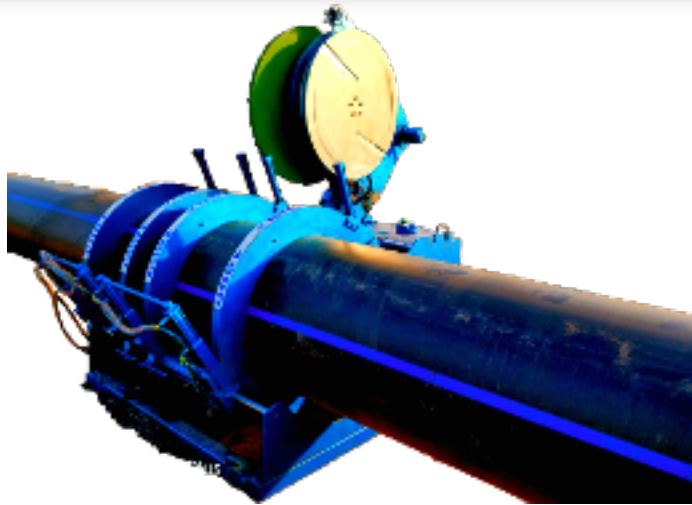
Application and Features

- ▶ Teflon coated heating plate with digital temperature control system.
- ▶ Removable Facer/Cutter for pre-surface planning.
- ▶ Pressure control unit to ensures reliable welding quality of all size pipe.
- ▶ SNI design patent for frame, ergonomics, robust and reliable.

Service and Maintenance

- ▶ One year on site service warranty.
- ▶ 24*7 Customer support.
- ▶ Easy availability of spare parts and components.

SNI Hydraulic (Semi auto/full auto) Butt Fusion Welding Machine



Technical Parameters

Model	SNI-500	SNI-560	SNI-630	SNI-710
Pipe Size(mm)	200 to 500	315 to 560	400 to 630	400 to 710
Working Voltage	220 VAC 50 Hz	220 VAC 50 HZ	440 VAC 50 HZ	440 VAC 50 HZ
Heating Plate Temperature	50° C to 350°C	50° C to 350°C	50° C to 350°C	50° C to 350°C
Heating Plate power	5.0 KW	30 KVA /3 Phase	42 KVA / 3 Phase	42 KVA / 3 Phase
PowerPressure Range	0 to 150 Kg/cm2	0 to 150 Kg/cm2	0 to 150 Kg/cm2	0 to 200 Kg/cm2
Cutter/Facer power	1.4 KW	1.4 KW	Hydraulic cutter	Hydraulic cutter
Hydraulic Unit Power	1.34 KW	1.34 KW	4.02 KW three phase	4.02 KW three phase
Components Material	Mild steel, Al alloy	Mild steel, Al alloy	Mild steel, Al alloy	Mild steel, Al alloy
Setup Weight	305 Kg	352 Kg	450 Kg	508 Kg
Package Contains	jack,facer,heater, hydraulic unit, tool box	jack,facer,heater, hydraulic unit, tool box	jack,facer,heater, hydraulic unit, tool box	jack,facer,heater, hydraulic unit, tool box
Machine Type	semi hydraulic	semi hydraulic	semi hydra/ full hydraulic	semi hydra/ full hydraulic

Application and Features

- ▶ Teflon coated heating plate with digital temperature control system.
- ▶ Removable Facer/Cutter for pre-surface planning.
- ▶ Pressure control unit to ensures reliable welding quality of all size pipe.
- ▶ SNI design patent for frame, ergonomics,robust and reliable.

Service and Maintenance

- ▶ One year on site service warranty.
- ▶ 24*7 Customer support.
- ▶ Easy availability of spare parts and components.

SNI Hydraulic (Semi auto/full auto) Butt Fusion Welding Machine



Application and Features

- ▶ Teflon coated heating plate with digital temperature control system.
- ▶ Removable Facer/Cutter for pre-surface planning.
- ▶ Pressure control unit to ensures reliable welding quality of all size pipe.
- ▶ SNI design patent for frame, ergonomics, robust and reliable.

Service and Maintenance

- ▶ One year on site service warranty.
- ▶ 24*7 Customer support.
- ▶ Easy availability of spare parts and components.

Technical Parameters

Model	SNI-900	SNI-1000	SNI-1200	SNI-1600
Pipe Size(mm)	630 to 900	710 to 1000	800 to 1200	1000 to 1600
Working Voltage	440 VAC 50 Hz	440 VAC 50 Hz	440 VAC 50 HZ	440 VAC 50 HZ
Heating Plate Temperature	50° C to 350°C	50° C to 350°C	50° C to 350°C	50° C to 350°C
Heating Plate power	52 KVA / 3 Phase	63 KVA / 3 Phase	63KVA / 3 Phase	75 KVA / 3 Phase
PowerPressure Range	0 to 200 Kg/cm2	0 to 200 Kg/cm2	0 to 230 Kg/cm2	0 to 280 Kg/cm2
Cutter/Facer power	Hydraulic cutter	Hydraulic cutter	Hydraulic cutter	Hydraulic cutter
Hydraulic Unit Power	4.02 KW three phase	6.7 KW three phase	6.7 KW three phase	6.7 KW three phase
Components Material	Mild steel, Al alloy	Mild steel, Al alloy	Mild steel, Al alloy	Mild steel, Al alloy
Package Contains	jack,facer, heater, hydraulic unit, tool box	jack,facer, heater, hydraulic unit, tool box	jack,facer, heater, hydraulic unit, tool box	jack,facer, heater, hydraulic unit, tool box
Machine Type	semi hydra/ full hydraulic	semi hydra/ full hydraulic	semi hydra/ full hydraulic	semi hydra/ full hydraulic



SNI Electrofusion Welding Machine



Application and Features

- ▶ Wide power supply and voltage input, suitable for field electrical network level.
- ▶ High precision control of electrical stability and time, insuring welding quality.
- ▶ Flexible welding parameter input mode, manual input through keypad with 10 previously performed input data.
- ▶ SNI design patent for frame, ergonomics, robust and reliable.

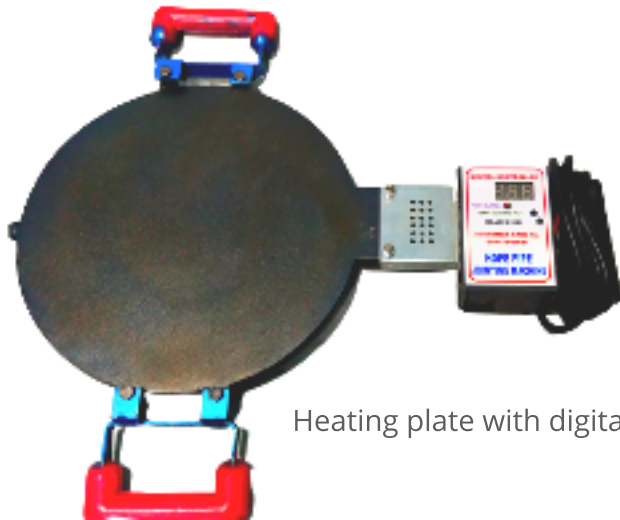
Service and Maintenance

- ▶ One year on site service warranty.
- ▶ 24*7 Customer support.
- ▶ Easy availability of spare parts and components.

Technical Parameters

Model	SNI-EF-200	SNI-EF-315	SNI-EF-500
Pipe Size(mm)	20 to 200	20 to 315	20 to 500
Input Voltage	175-230 VAC 50 Hz	175-230 VAC 50 Hz	175-230 VAC 50 Hz
otpu voltage/ current	10-40 V	10-50 V	10-75 V
control Mode	constant voltage	constant voltage	constant voltage
Setup Weight	11.5 Kg	13 Kg	15.40 Kg
Output Power	3.5 KW	5.5 KW	10 KW
Package Contains	EF machine with input pin	EF machine with input pin	EF machine with input pin

SNI HDPE Pipe Joining Heater (Heating Mirror)



Heating plate with digital controller

Application and Features

- ▶ Teflon coated heating plate with digital temperature control system.
- ▶ Precise temperature control and small deviation on the heating plate surface to apply high welding standard.
- ▶ SNI design patent for frame, ergonomics, robust and reliable.

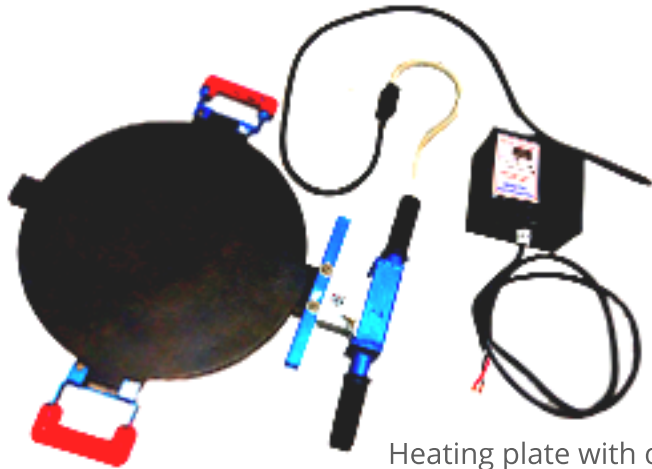
Service and Maintenance

- ▶ One year on site service warranty.
- ▶ 24*7 Customer support.
- ▶ Easy availability of spare parts and components.

Technical Parameters

Model	SNI-DH-110	SNI-DH-160	SNI-DH-200	SNI-DH-280
Pipe Size(mm)	Upto 110	Upto 160	Upto 200	Upto 280
Working Voltage	220 VAC 50 Hz	220 VAC 50 HZ	220 VAC 50 HZ	220 VAC 50 HZ
Heating Plate Temperature	50° C to 350°C	50° C to 350°C	50° C to 350°C	50° C to 350°C
Heating Plate power	1.32 KW	1.54 KW	1.76 KW	2.20 KW
Components Material	Aluminium alloy	Aluminium alloy	Aluminium alloy	Aluminium alloy
Setup Weight	2 Kg	2.5 Kg	4.5Kg	5.5kg
Package Contains	Heating plate with controller	Heating plate with controller	Heating plate with controller	Heating plate with controller

SNI HDPE Pipe joining Heater (Heating Mirror)



Heating plate with digital controller

Application and Features

- ▶ Teflon coated heating plate with digital temperature control system.
- ▶ Precise temperature control and small deviation on the heating plate surface to apply high welding standard.
- ▶ SNI design patent for frame, ergonomics, robust and reliable.

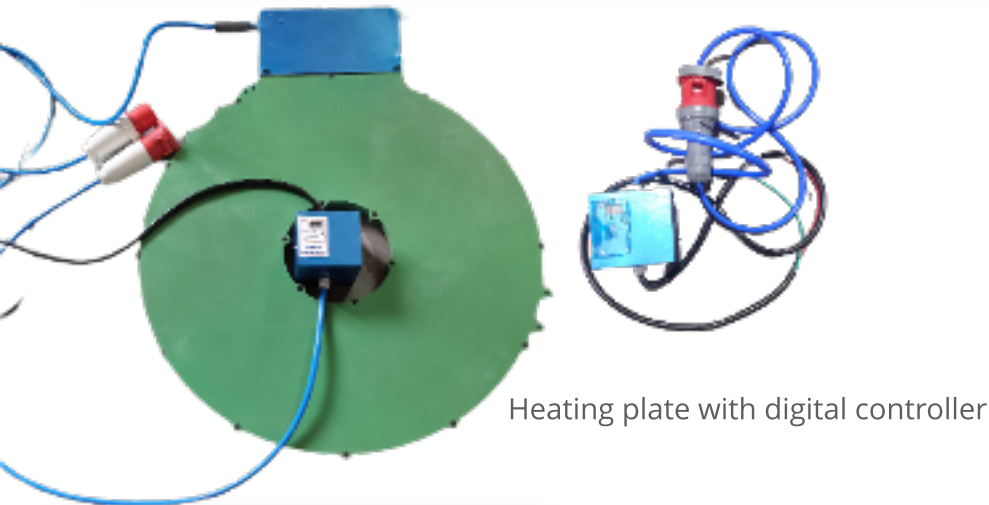
Service and Maintenance

- ▶ One year on site service warranty.
- ▶ 24*7 Customer support.
- ▶ Easy availability of spare parts and components.

Technical Parameters

Model	SNI-DH-315	SNI-DH-355	SNI-DH-400	SNI-DH-500
Pipe Size(mm)	Upto 315	Upto 355	Upto 400	Upto 500
Working Voltage	220 VAC 50 Hz	200 VAC 50 HZ	200 VAC 50 HZ	200 VAC 50 HZ
Heating Plate Temperature	50° C to 350°C	50° C to 350°C	50° C to 350°C	50° C to 350°C
Heating Plate power	2.80 KW	3.52 KW	4.00 KW	5.00 KW
Components Material	Aluminium alloy	Aluminium alloy	Aluminium alloy	Aluminium alloy
Setup Weight	7.5 Kg	12.5 Kg	17.7 KG	20 Kg
Package Contains	heating plate and controller	heating plate and controller	heating plate and controller	heating plate and controller

SNI HDPE Pipe Joining Heater (Heating Mirror)



Application and Features

- ▶ Teflon coated heating plate with digital temperature control system.
- ▶ Precise temperature control and small deviation on the heating plate surface to apply high welding standard.
- ▶ SNI design patent for frame, ergonomics, robust and reliable.

Service and Maintenance

- ▶ One year on site service warranty.
- ▶ 24*7 Customer support.
- ▶ Easy availability of spare parts and components.

Technical Parameters

Model	SNI-DH-560	SNI-DH-630	SNI-DH-710	SNI-DH-900	SNI-DH-1000
Pipe Size(mm)	Upto 560	Upto 630	Upto 710	Upto 900	Upto 1000
Working Voltage	220 VAC 50 Hz	4400 VAC 50 HZ	440 VAC 50 HZ	440 VAC 50 HZ	440 VAC 50 HZ
Heating Plate Temperature	50° C to 350°C	50° C to 350°C	50° C to 350°C	50° C to 350°C	50° C to 350°C
Heating Plate power	5.00 KW	42 KVA / 3 Phase	42 KVA / 3 Phase	52 KVA / 3 Phase	63 KVA / 3 Phase
Components Material	Aluminium alloy	Aluminium alloy	Aluminium alloy	Aluminium alloy	Aluminium alloy
Setup Weight	25 Kg	35 Kg	45 kg	53 Kg	60 Kg
Package Contains	heating plate and controller	heating plate and controller	heating plate and controller	heating plate and controller	heating plate and controller

SNI PPR Heater



PPR Die (Optional)

Technical Parameters

Model	SNI-PPR-63	SNI-PPR-110	SNI-PPR-160
Die Size(mm)	Upto 63	upto 110	Upto 160
Working Voltage	220 VAC 50 Hz	200 VAC 50 HZ	200 VAC 50 HZ
Heating Plate Temperature	50° C to 350°C	50° C to 350°C	50° C to 350°C
Heating Plate power	1.3 KW	1.32 KW	1.54 KW
Components Material	Aluminium alloy	Aluminium alloy	Aluminium alloy
Setup Weight	1.7 Kg	2 Kg	2.5 Kg
Die Size (mm) (optional)	16 to 63	40 to 110	63 to 160
Package Contains	heating plate	heating plate	heating plate

Application and Features

- ▶ Heating plate with digital temperature control system and variable die size based .
- ▶ Precise temperature control and small deviation on the heating plate surface to apply high welding standard.
- ▶ SNI design patent for frame, ergonomics,robust and reliable.

Service and Maintenance

- ▶ One year on site service warranty.
- ▶ 24*7 Customer support.
- ▶ Easy availability of spare parts and components.