



HUGONG



TYPE
NVM200HF



**Read this manual carefully before
using the product.**

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Storing the user manual

- Keep the user manual in an accessible place, close to the product.
- Ensure that the manual is stored in a dry place.
- Use the manual carefully and avoid damage.
- The product must not be used by persons who are not familiar with the instructions and procedures in this manual.

This user manual is an integral part of the product and must therefore be kept in a safe place. If the product is transferred to another user, the manual must be included.

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1. General

The NVM 200 HF is an inverter welding machine that uses CO₂ gas shielding. During welding, the molten wire material forms a weld seam together with the workpiece. Thanks to the continuous wire feed system, the machine is suitable for efficient, positioned MIG/MAG welding work.

Important features:

- IGBT inverter technology (43 kHz) for compact design and high efficiency.
- Closed-loop voltage control for stable output.
- Manual adjustment of welding current and voltage.
- Suitable for wire diameters from Ø0.6 to Ø1.2 mm.
- Can be set for MIG/MAG, MMA and TIG (manual).
- Equipped with protection against overheating, overload and short circuit.

Application:

- Suitable for unalloyed and low-alloy steel.
- Can also be used for stainless steel when using mixed gas (CO₂/Ar).

2. Safety instructions

2.1 Personal protection

- Always wear a welding helmet with the correct lens (ANSI Z87.1).
- Wear protective clothing, gloves and safety shoes.
- Ensure adequate ventilation during welding.
- Avoid contact between the body and the workpiece/electrode.
- Do not use damaged cables; keep them dry.
- Do not wear flammable items such as lighters.
- Persons with pacemakers should not work near the device.

2.2 Working environment

- Do not weld in damp or poorly ventilated areas.
- Keep flammable materials at least 35 cm away.
- Always secure gas cylinders in an upright position and away from heat sources.
- Only use pure CO₂ with a purity of ≥99.5%.

2.3 Earthing and power supply

- The device must be properly earthed.

- Check the connections, cables and housing for damage before each use.
- Only use suitable fuses (min. 30 A) and earth leakage circuit breakers.

3. Assembly

3.1 Position

- Place the device on a dry, flat surface, away from direct sunlight and rain.
- Avoid places with dust, acids or corrosive gases.
- Ensure there is a free space of 50 cm around the unit for ventilation.
- The angle of inclination must not exceed 10°.

3.2 Connection to mains power

- Connect the 3-core cable to an earthed socket (min. 2.5 mm² cable, fuse ≥40 A).
- Ensure that the mains voltage corresponds to the type plate.

3.3 Gas system connection

- Connect the pressure regulator to the gas cylinder and check for leaks.
- Secure the gas hose with hose clamps between the gas cylinder and the wire feed.

3.4 Installing the wire feed

- Mount the wire reel (pay attention to the wire diameter and direction).
- Adjust the wire feed pressure correctly (not too tight).
- Ensure correct positioning in pressure rollers and guides.

3.5 Welding

- Perform a test weld and adjust the voltage and current according to the material thickness.
- Refer to Table 3 for guide values.

4. Use

- Switch to manual welding if desired (MMA/TIG).
- Clean the workpiece before each use (rust, paint, oil).
- Only use the recommended wire diameters and voltage/current combinations.
- Avoid prolonged welding above the duty cycle (20%).

5. Maintenance

- Only allow maintenance to be carried out by trained personnel.
- Switch off the power before opening the housing.
- Inspect the wiring, fans, circuit boards and gas tightness every 6 months.
- Clean dust and splashes with dry air or a cloth.
- Regularly check for wear on wire rollers, cables and consumable parts.

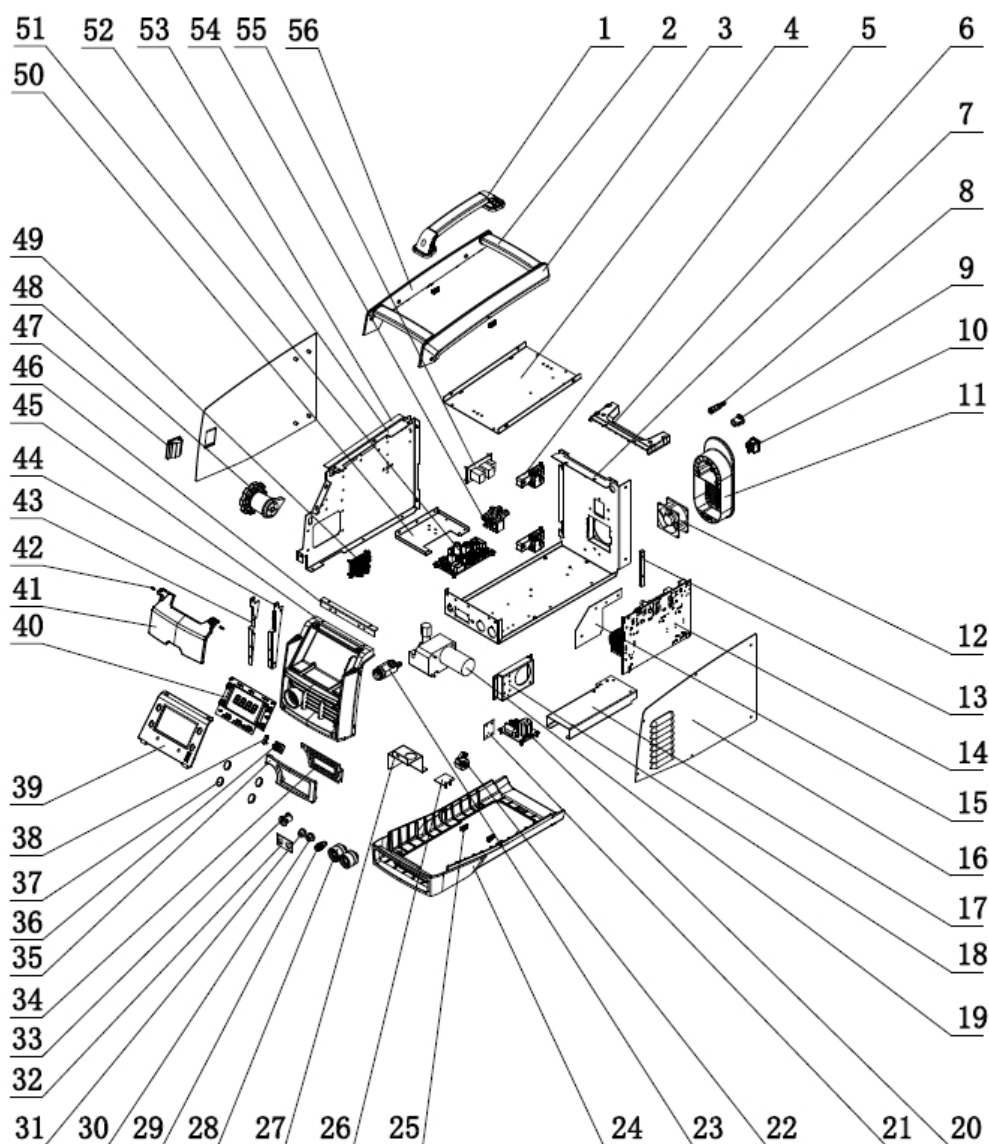
Storage:

- Store indoors at -20°C to +55°C, <90% RH.
- Protect from moisture, dust and corrosive gases.

6. Specifications

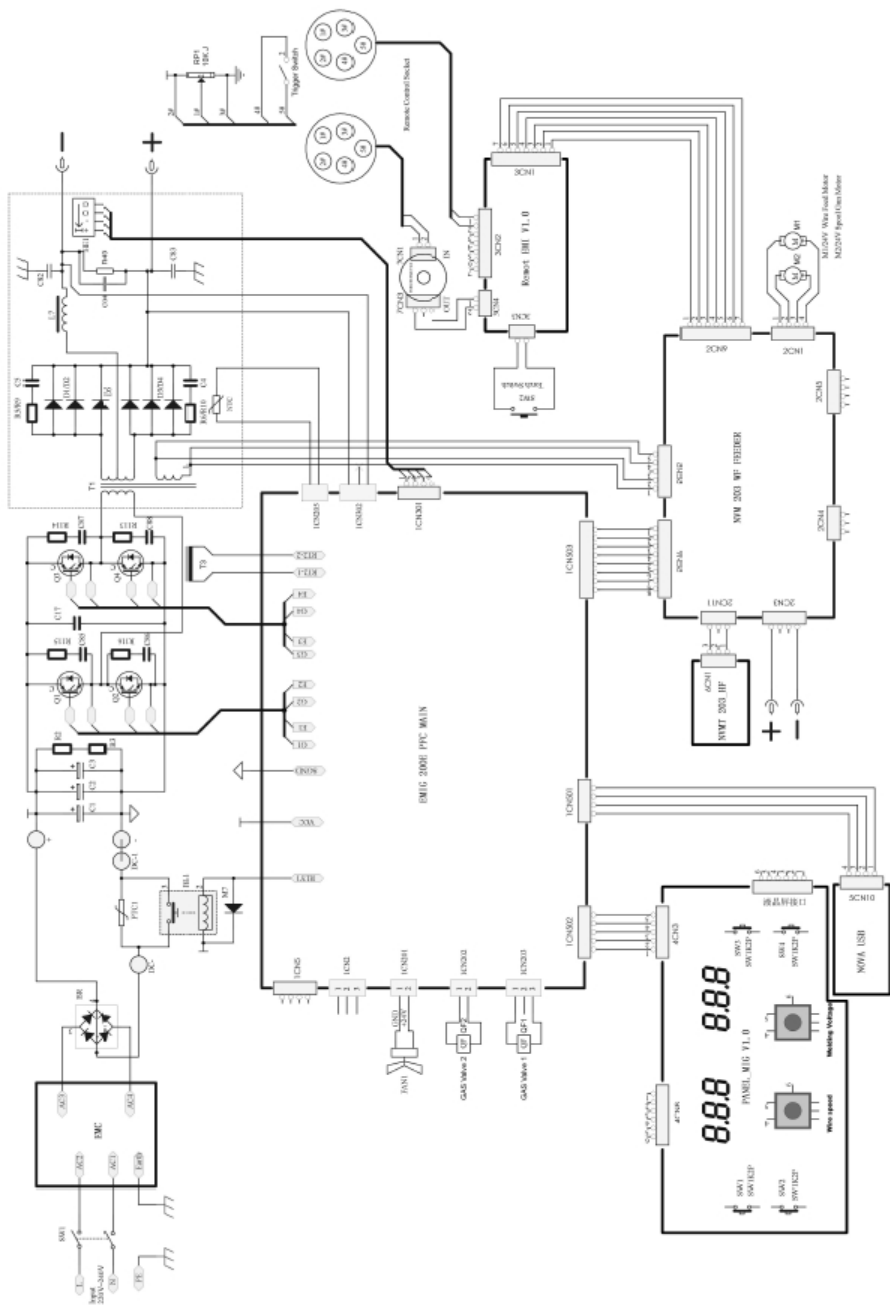
- Mains voltage: 230V (1~)
- Frequency: 50/60 Hz
- Nominal power: 8.3 kVA
- Welding currents:
 - MIG: 30–200 A
 - MMA: 20–175 A
 - TIG: 15–200 A
- Wire diameter: $\varnothing 0.6\text{--}\varnothing 1.2$ mm
- Duty cycle: 20%
- Weight: 18.5 kg
- Dimensions: 53.2× 24.5× 38.2 cm
- Insulation class: F
- IP rating: IP21S
- Cooling: Air

7. Parts lists



NO.	CODE	ENG NAME	QTY
1	20050051372	Handle base	2
2	20020170041	Handle	3
*	20050051376	Left decorative strip	1
,	11010013035	Top side	1
5	20050051404	Hinge Assembly	
"	20050051377	Rear trim strip	1
#	11010042699	Lower chassis weldment	1
%	20070660484	Gas Joint	1
'	20050050221	Cable clamp	1
10	20070800135	Rocker switch	1
11	20050051459	Wire harness storage cover	1
12	20070890227	DC Fan	1
13	20050050911	Radiator Support	1
14	11050021749	Main control PCB	1
15	20040110248	Gas guide	1
16	1101001303	Left cover	1
17	11020017767	Main board Mounting Bracket	1
18	11020017768	Wire feeder bracket	1
19	20070400559	Wire feeder	1
20	11050111156	HF board	1
21	20040110263	High Frequency Board Insulation Board	1
22	1	Gun Switch Inductor Module Board	1
23	202004004d2	Torch socket	1
24	20050051374	Base case	1
25	20060140115	Clip Nut	4
26	11050111159	load panel	1
27	11020017787	Output shields	1
28	20070570197	Quick socket	
29	20070570001	Water speed socket	1
*(20030306480	Spool welding Trigger Switch Harness	1
31	20030306479	Foot pedal Trigger Switch Harness	1
32	11020016925	Aviation socket fixing plate	1
**	20050050221	Cable clamp	1
*	11020017425	Front windscreen	1
35	20050051440	Front decorative plate II	1
*	11050071333	USB interface board	1
*	20050051373	Button	4
*	20050051462	USB Cap	1
*	20050051378	Panel control PCB	1
,(11050050533	HD LCD panel control board assembly	1
41	20050051458	Protective cover	1
42	20060240023	Damping spindles	2
,	11020017421	Left cover connecting plate	1
"	11020017422	Right cover connecting plate	1
45	20050051405	Plastic panel	1
,"	11020017424	Upper cover connecting plate	1
,	20050050270	Door lock	1
,%	20050050779	Wire spool shaft	
,	»OSO is»	Filter board for gun switch remote control isolation	
50	11020017769	PCB fixing bracket	1
51	11050111155	Wire feeding board	1
52	11020017417	Handle reinforcing plate	1
53	1102001776	Middle bracket	1
54	20070550515	Electromagnetic gas valve	2
55	11050110512	EMC board	1
56	20050051375	Right decorative strip	1
Other	Please do not hesitate to contact the manufacturer/supplier for the exploded diagram number.		

8. Circuit diagram



9. Warranty conditions HUGONG

1. Warranty

We offer the following on all our products:

- 2-year standard warranty on manufacturing and material defects from the date of purchase
- 5-year extended warranty, provided the product is registered within 30 days of purchase
- The extended warranty is only valid for the original owner and is not transferable. For business applications, different terms may apply, unless otherwise agreed in writing.

2. Unique HUGONG warranty:

5 years with official purchase via official sales point HUGONGWELDS.EU

The 5-year warranty on our HUGONG welding machines is unique in the market and underlines our commitment to quality, durability and service.

This comprehensive warranty applies only if:

- The machine was purchased from an authorised dealer listed on HUGONGWELDS.EU, the central platform for official HUGONG sales outlets and service partners.
- The product has been correctly registered online within 30 days of purchase
- Any repairs or maintenance are carried out exclusively by an authorised HUGONG service partner, as listed on HUGONG-WELDS.EU
- Repairs carried out by unauthorised parties will invalidate the warranty.
- The complete list of authorised dealers and service centres can be found at:
- www.hugongwelds.eu
- Purchases made through unauthorised sales channels or grey imports are not covered by the warranty conditions.
- Valkenpower B.V. is the official importer of HUGONG welding equipment for Western Europe. The 5-year extended warranty is provided exclusively by Valkenpower in collaboration with Hugong.

3. Warranty conditions (standard and extended)

To be eligible for warranty (standard or extended), the following conditions must be met:

- The product was purchased from a dealer recognised on HUGONG-WELDS.EU
- The product is used in accordance with the user manual and the prescribed maintenance instructions
- Maintenance and/or repairs are carried out exclusively by authorised HUGONG service partners
- For extended warranty: the product has been correctly registered within 30 days of purchase
- The original purchase invoice is available and can be provided.
- Please note: In the event of incorrect or improper use, the warranty will be void, including the standard warranty.

- If the product is not registered or is registered incorrectly within 30 days, only the standard 2-year warranty applies.

4. What does the warranty cover?

Within the valid warranty period, HUGONG covers:

- Manufacturing defects
- Material defects
- Functional defects under normal use We

will:

- Repair or replace the defective part
- Replace the entire product if necessary
- Or, in consultation, refund the purchase price (in part), minus depreciation
- The choice of solution is at the discretion of Valkenpower B.V. or an authorised service partner.

5. What is not covered by the warranty?

The warranty does not apply to:

- Normal wear and tear of parts such as:
- Electrodes, torches, cables, connectors, filters
- Hose couplings, switches, seals
- Water pumps in water coolers – these are considered wear parts
- Incorrect use, overloading or incorrect installation
- Modified or altered products without written permission
- Use of non-approved accessories or parts
- Ingress of dust, moisture or metal particles into the machine – this is not covered by the warranty and is considered user error
- Damage caused by external influences: moisture, dust, overheating, power surges, lightning, fire, corrosion or transport
- Use in rental applications, unless agreed in writing in advance

6. Warranty procedure

In the event of a defect:

Please contact our customer service or an authorised HUGONG dealer.

Please provide the following:

- Proof of purchase
- Serial number (legible on type plate)
- Description of the problem and circumstances

Shipping:

- The product must be returned safely packaged to the designated service point.
- Transport and shipping costs are at the customer's expense, unless otherwise agreed.
- During repair, there is no automatic right to a loan or replacement product.

7. Limitation of liability

HUGONG and Valkenpower are not liable for:

- Loss of income, consequential damage or business interruptions
- Costs for disassembly/assembly or adjustments
- Work carried out by third parties without written permission
- Claims exceeding the original purchase price
- Statutory consumer rights remain unaffected.

8. Warranty on parts and repairs

- Repaired or replaced parts retain the remaining warranty period of the original product.
- Separately purchased parts have a warranty period of 6 months.

9. Applicable law

These warranty conditions are governed by Dutch law. Disputes will preferably be resolved through consultation. If necessary, the matter may be submitted to the competent court in Roermond or to a recognised dispute resolution body.

Questions?

Our customer service team will be happy to help you. Visit:

www.hugongwelds.eu – for dealers, service partners and registration

**EC Declaration of Conformity - Declaration of Conformity – EG-
Konformitätserklärung - Declaration de conformité
- Dichiarazion di conformita- Declaracion de conformidad**

We, We, Wir, Nous, Noi, La empresa,
Valkenpower BV, Industrieweg 4, 6051 AE Maasbracht, Netherlands,
declare under our sole responsibility that the product declare under our sole
responsibility that the product
erklären in alleiniger Verantwortung, dass das Produkt
déclarons sous notre seule responsabilité que le produit
dichiariamo sotto la nostra responsabilità che il prodotto
declare under our sole responsibility that the product

Type	Description	Brand
Model	Description	Brand
Type	Description	Marke
Type	Description	Marque
Tipo	Description	Marca
Tipo	inverter lasapparaat	Marca
NVM200HF		Hugong

To which this declaration relates is in conformity with the following standards:
To which this declaration relates is in conformity with the following document:
Auf welches sich diese Erklärung bezieht, den folgenden Normen entspricht:
Auquel se réfère cette déclaration est conforme à le document suivant:
The declaration refers to the following documents:
The present declaration refers to the following documents:

Low Voltage Directive, Niederspannungsrichtlinie, la Directive Basse Tension, la direttiva
bassa tensione, la norma Baja tensión:

2014/35/EU

Netherlands, Maasbracht, 14-08-
2025

Serial number:

Director Valkenpower



B.A.H Valkenburg

Valkenpower BV, Industrieweg 4, 6051 AE Maasbracht, Netherlands

