

NOVAG SPRAY EQUIPMENT

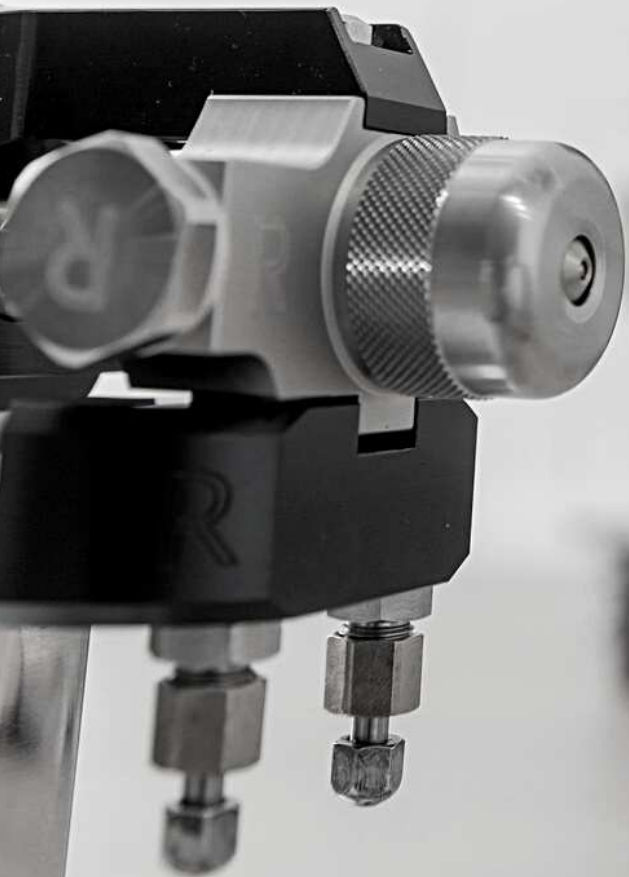
POLYURETHANE FOAM, COATINGS AND POLYUREAS



novag  [®]
SPRAY EQUIPMENT



The NOVAG team specializes in the design, innovation and development of two component spray and pouring equipment, offering the experience and knowledge needed to fulfil the current technology demands, supplying reliable and high quality products.





ABOUT US

NOVAG SPRAY EQUIPMENT is a high quality brand manufactured by HI-TECH SPRAY EQUIPMENT S.A. NOVAG brand offers two component spray and pouring equipment for the application of polyurethane foams, coatings and polyurea, mineral wool blowing machines, water reactive PU foam injection equipment and 2K bitumen waterproofing emulsions equipment.

NOVAG has over 20 years experience supplying first class machinery to major insulation waterproofing companies and chemical suppliers all over the world. Our commitment is based on the constant search for innovation to ensure the excellence of our products in the market.

TRUST COMMITMENT
EXPERIENCE INNOVATION TRUST
TRUST INNOVATION COMMITMENT EXPERIENCE
COMMITMENT TRUST EXPERIENCE INNOVATION

AIRLESS UNIT



NA-200

The **NA-200** hydraulic airless unit incorporates technology that allows you to paint at high pressure without the need of an air compressor. It is specially manufactured to spray professional textures in challenging industrial painting applications. This hydraulic unit can be equipped with a petrol engine or electric motor to drive the piston pump. You can easily interchange these engines thanks to our smart concept design.



TECHNICAL SPECIFICATIONS

GASOLINE NA-200G

MAX. OUTPUT:	6,4 l/min
MAX. WORKING PRESSURE:	228 bar
MAX. SIZE PCD:	1 Gun - 0.043" / 2 Guns - 0,033"
ENGINE:	4 kW (5,5 HP)
WEIGHT:	72 Kg (without oil/product)
DIMENSIONS:	840 mm x 1200 mm x 1080 mm

ELECTRIC NA-200E

MAX. OUTPUT:	5,7 l/min
MAX. WORKING PRESSURE:	228 bar
MAX. SIZE PCD:	1 Gun - 0.036" / 2 Guns - 0,026"
ENGINE:	3 kW (4 HP)
WEIGHT:	66 Kg (without oil/product)
DIMENSIONS:	840 mm x 1200 mm x 1080 mm

NOVAG I

The **NOVAG I** hydraulic spray unit has been designed with a specific configuration that allows easy access to all its components, simplifying the control functions and reducing maintenance time. NOVAG I assures constant pressures and perfect mixing to fulfil the most demanding requirements of two component systems.



TECHNICAL SPECIFICATIONS

MAX. OUTPUT:	4 kg/min
MAX. PRESSURE:	175 bar
ELECTRICAL CONNECTION:	1NPE 230 V 50 Hz 2PE 230 V 50 Hz
HEATING POWER:	3,6 kW
HOSE HEATING:	1,6 kW (optional)
MOTOR POWER:	1,8 kW
MACHINE CONSUMPTION:	Recirculation hoses: 12A + 16A - 2 plugs 230 V heated hoses: 16A + 16A - 2 plugs LV heated hoses: 12A + 16A + 9A - 3 plugs
MAX. HOSES LENGTH:	Recirculation hoses: 11 m 230 V heated hoses: 20 m LV heated hoses: 48 m (transformer trolley)
WEIGHT:	165 kg (without oil/product)
MAX. TANK CAPACITY:	30 l + 30 l
OIL CAPACITY:	18 l
DIMENSIONS:	1228 mm x 605 mm x 819 mm



HYDRAULIC PROPORTIONING UNITS



NOVAG III

The **NOVAG III** hydraulic spray unit has been designed and manufactured to spray PU foam, polyurea or coatings in large areas with the same pump configuration. This concept design allows the necessary output and pressure stability to maintain the required productivity levels on every application. Its open design allows easy access to all its components providing simplified function control and maintenance.

TECHNICAL SPECIFICATIONS



MAX. OUTPUT (1.20 PUMPS): 15 kg/min @ 110 bar
9 kg/min @ 160 bar
7 kg/min @ 240 bar

ELECTRICAL CONNECTION: 3 PE 400 V 50/60 Hz
3 PE 230 V 50/60 Hz

HEATING POWER: 12 kW

HOSE HEATING: 3 kW

MOTOR POWER: 4 kW

MACHINE CONSUMPTION: 38,4 A / 66,6 A

MAX. HOSES LENGTH: 93 m (for foam)
78 m (for polyurea)

WEIGHT: 261 kg (without oil)

OIL CAPACITY: 59 l

DIMENSIONS: 1352 mm x 945 mm x 745 mm

NOVAG III PLUS

The NOVAG III PLUS hydraulic spray unit is the PLC operated version of the NOVAG III unit. This intelligent PLC software system offers the user full control and application information at all times from its own touchscreen display. Also, it allows the end user to enter the application parameters of each system that will be automatically adjusted by the machine. In auto mode operator intervention will be minimized while the application process will be protected by a sophisticated alarm system that will detect any errors in the process to ensure due quality during the application of the system. Units equipped with PLC can be connected through a wi-fi router to external devices (phone, tablet, etc.) for a remote control and operation of the unit.



TECHNICAL SPECIFICATIONS



MAX. OUTPUT (1.20 PUMPS):	15 kg/min @ 110 bar 9 kg/min @ 160 bar 7 kg/min @ 240 bar
ELECTRICAL CONNECTION:	3 PE 400 V 50/60 Hz 3 PE 230 V 50/60 Hz
HEATING POWER:	12 kW
HOSE HEATING:	3 kW
MOTOR POWER:	4 kW
MACHINE CONSUMPTION:	38,4 A / 66,6 A
MAX. HOSES LENGTH:	93 m (for foam) 78 m (for polyurea)
WEIGHT:	262 kg (without oil)
OIL CAPACITY:	59 l
DIMENSIONS:	1352 mm x 945 mm x 745 mm



HYDRAULIC PROPORTIONING UNITS



NOVAG V

The **NOVAG V** hydraulic spray unit has been designed and manufactured with the same features that the rest of the NOVAG product family, incorporating a bigger electrical motor, a hydraulic pump and heaters for projects that require high productivity levels. NOVAG V provides constant pressures and temperatures working at high outputs in PU foam, polyurea or coatings applications.

TECHNICAL SPECIFICATIONS



MAX. OUTPUT (1.20 PUMPS):	22 kg/min @ 110 bar 17 kg/min @ 160 bar 12 kg/min @ 240 bar
ELECTRICAL CONNECTION:	3 PE 400 V 50/60 Hz
HEATING POWER:	16 kW
HOSE HEATING:	4 kW
MOTOR POWER:	5,5 kW
MACHINE CONSUMPTION;	56 A
MAX. HOSES LENGTH:	93 m
WEIGHT:	279 kg (without oil)
OIL CAPACITY:	59 l
DIMENSIONS:	1352 mm x 945 mm x 745 mm

NOVAG V PLUS

The **NOVAG V PLUS** hydraulic spray unit is the PLC operated version of the NOVAG V unit. It has been designed and manufactured with the same features that the rest of the NOVAG PLUS product family, incorporating bigger engine, hydraulic pumps and heaters for projects that require high productivity levels.

TECHNICAL SPECIFICATIONS

MAX. OUTPUT (1.20 PUMPS):	22 kg/min @ 110 bar 17 kg/min @ 160 bar 12 kg/min @ 240 bar
ELECTRICAL CONNECTION:	3 PE 400 V 50/60 Hz
HEATING POWER:	16 kW
HOSE HEATING:	4 kW
MOTOR POWER:	5,5 kW
MACHINE CONSUMPTION:	56 A
MAX. HOSES LENGTH:	93 m
WEIGHT:	279 kg (without oil)
OIL CAPACITY:	59 l
DIMENSIONS:	1352 mm x 945 mm x 745 mm





TECHNICAL SPECIFICATIONS SUMMARY

MAX. OUTPUT	MAX. PRESSURE	ELECTRICAL CONNECTION OPTIONS	HEATING POWER	HOSE HEATING
-------------	---------------	----------------------------------	------------------	--------------

NOVAG I



4 kg/min	175 bar	1NPE 230V 50Hz 2PE 230V 50Hz	3,6 kW	1,6 kW (optional)
----------	---------	---------------------------------	--------	----------------------

NOVAG III



15 kg/min	110 bar	3PE 400V 50/60 Hz	12 kW	3 kW
9 kg/min	160 bar	3PE 230V 50/60 Hz		
7 kg/min	240 bar			

NOVAG III PLUS



15 kg/min	110 bar	3PE 400V 50/60 Hz	12 kW	3 kW
9 kg/min	160 bar	3PE 230V 50/60 Hz		
7 kg/min	240 bar			

NOVAG V



22 kg/min	110 bar	3PE 400V 50/60 Hz	16 kW	4 kW
17 kg/min	160 bar			
12 kg/min	240 bar			

NOVAG V PLUS



22 kg/min	110 bar	3PE 400V 50/60 Hz	16 kW	4 kW
17 kg/min	160 bar			
12 kg/min	240 bar			

MOTOR POWER	MACHINE CONSUMPTION	MAX. HOSES LENGTH	WEIGHT	CAPACITY	DIMENSIONS
1,8 kW	Recirculation hoses: 12A + 16A - 2 plugs 230V heated hoses: 16A + 16A - 2 plugs LV heated hoses: 12A + 16A + 9A - 3 plugs	Recirculation hoses: 11 m 230V heated hoses: 20 m LV heated hoses: 48 m	165 kg	30l + 30l (tank) 18l (oil)	H: 1228 mm A: 605 mm L: 819 mm
4 kW	38,4 A/ 66,6A	93 m (for foam) 78 m (for polyurea)	261 kg	59l (oil)	H: 1352 mm A: 945 mm L: 745 mm
4 kW	38,4 A/ 66,6A	93 m (for foam) 78 m (for polyurea)	262 kg	59l (oil)	H: 1352 mm A: 945 mm L: 745 mm
5,5 kW	56 A	93 m	279 kg	59l (oil)	H: 1352 mm A: 945 mm L: 745 mm
5,5 kW	56 A	93 m	279 kg	59l (oil)	H: 1352 mm A: 945 mm L: 745 mm

SPRAY GUNS



NOVAG A

Air Purge

The **NOVAG A** air purge spray gun ensures a high-pressure internal mixing of two components for the application of polyurethane foam, coatings and polyurea. Its easy handling helps to reduce operator effort and facilitates application control to all types of working areas.

TECHNICAL SPECIFICATIONS

MAX. WORKING PRESSURE:	246 bar
AIR PRESSURE REQUIRED:	6-8 bar
MAX. PRODUCTION RATIO 1:1:	18 kg/min
MIN. PRODUCTION RATIO 1:1:	1,5 kg/min



NOVAG M

Mechanical Purge

The **NOVAG M** mechanical self-cleaning spray gun guarantees you the best mixing quality on the application of polyurethane foam, elastomeric coatings and polyurea. Easy maintenance is combined with lightness and balance, and a unique high-low output configuration that gives you the possibility to work with a wide range of flows with only one gun.

TECHNICAL SPECIFICATIONS

MAX. WORKING TEMPERATURE:	90° C
MAX. WORKING PRESSURE:	270 bar
AIR PRESSURE REQUIRED:	7 bar
MAX. PRODUCTION RATIO 1:1:	18 kg/min
MIN. PRODUCTION RATIO 1:1:	0,5 kg/min

Air Purge

HT BLACK GUN

The HT BLACK GUN introduces a breakthrough in technology with the one push patent pending system that allows you to remove the mixing chamber independently - without the need to extract the gun block like in other traditionally designed guns. The HT BLACK GUN also offers the new twist & pull lock system to enable a fast and easy gun block disassembly.

Hi-Tech Spray Equipment Engineering Team has developed the HT BLACK GUN to be light, easy to handle, intuitive and with the fastest maintenance system on the market.



ONE PUSH

Mixing chamber front extraction system.

Patent pending



TWIST & PULL

Fast gun block removal

TECHNICAL SPECIFICATIONS

MAX. WORKING PRESSURE:	240 bar
AIR PRESSURE REQUIRED:	6-8 bar
MAX. PRODUCTION RATIO 1:1:	18 kg/min
MIN. PRODUCTION RATIO 1:1:	1,5 kg/min



SPRAY GUNS



TECHNICAL SPECIFICATIONS SUMMARY

MAX. WORKING PRESSURE	AIR PRESSURE REQUIRED	MAX. PRODUCTION RATIO 1:1	MIN. PRODUCTION RATIO 1:1
-----------------------	-----------------------	---------------------------	---------------------------

NOVAG A



240 bar

6 - 8 bar

18 kg/min

1.5 kg/min

NOVAG M



270 bar

7 bar

18 kg/min

1.5 kg/min

HT BLACK GUN



240 bar

6 - 8 bar

18 kg/min

1.5 kg/min



SPARE PARTS AND ACCESSORIES

NOVAG parts and accessories like Hoses and Transfer Pumps have been designed and manufactured with the same rigor, quality and attention to detail as the NOVAG units to ensure the best performance in the most demanding application conditions.



NOVAG HEATED HOSE

NOVAG hoses, incorporate an innovative concept of heating in which the copper resistance element is homogenously spread around the hose. This allows accurate and uniform control of the application temperature of the products avoiding heat concentrations that are produced in traditionally manufactured hoses.

NOVAG TRANSFER PUMP

The NOVAG 2:1 pump is a stainless steel air driven double effect piston pump used for moving the chemicals with a maximum viscosity of 2,000 mPas from the drums to the unit.

novag[®]

SPRAY EQUIPMENT



Follow us!



Distributed by:

HI-TECH SPRAY EQUIPMENT, S.A.

Camí Pla, 31 - Pol. Ind. Mas Alba
08870 Sitges, Barcelona (Spain)

Tel. (+34) 93 811 40 00

infonovag@hitechspray.com

www.novag.eu

