

Pero

N2

Industrial parts cleaning machine with solvents



Standardized and efficient

N2 STANDARDIZED AND EFFICIENT

Thanks to its highly efficient process technology and low energy consumption, the N2 offers excellent cleaning results combined with high throughput.

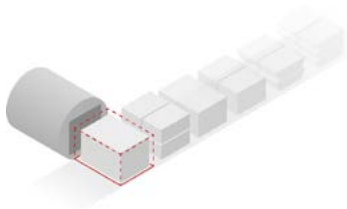
CHOOSE FROM THREE WORKING CHAMBER DEPTHS

Choose from a range of chamber depths in combination with standardised basket systems to achieve the throughput rate you need – our technicians would be delighted to advise you.

N2

Standard chamber

Length of basket holder in working chamber up to 25.98 in

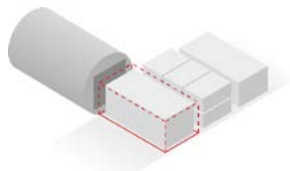


Max. load dimensions (L x W x H):
1 x 25.98 x 18.90 x 15.75 in, or
4 x 18.90 x 12.60 x 7.87 in

N2B

Large-volume chamber for high throughput

Length of basket holder in working chamber up to 38.98 in

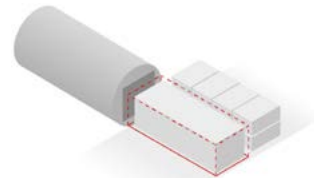


Max. load dimensions (L x W x H):
1 x 38.58 x 18.90 x 15.75 in, or
6 x 18.90 x 12.60 x 7.87 in

R2D

Large-volume chamber for high throughput

Length of basket holder in working chamber up to 52.76 in



Max. load dimensions (L x W x H):
1 x 52.76 x 18.90 x 15.75 in, or
8 x 18.90 x 12.60 x 7.87 in

PROVEN QUALITY

The machines of the N2 series make use of the specific properties of solvents for the cleaning, degreasing and/or preserving of parts. Operators can choose from a range of conventional solvents that achieve optimum cleaning results, taking into account the actual level of contamination of the parts.

- **High availability** High availability thanks to top-quality, standardised and tested components from leading manufacturers
- **Perfect media treatment** with permanent full-flow and optional bypass filtration
- **Saving costs** with Pero full vacuum technology with extra low solvent and stabilizer consumption
- **Flexibility** thanks to modular machine extensions
- **Unrivalled operator comfort** thanks to automated, timer-controlled maintenance routines



ECOLOGICAL & ECONOMICAL

All process steps take place under full vacuum. This supports cleaning in solvents, reduces energy consumption and allows short cycle times with maximum safety.

- High level of technical cleanliness thanks to combined **cleaning, rinsing** and **vapor-degreasing** processes
Optional: ultrasound cleaning and/or preservation
- **Reduced footprint** thanks to roller shutter at rear (electrically operated)
- **Maximal energy efficiency:** heating output controlled by Energy Manager
- Model "Universal" for exceptional **future security:** allows optional modification from CHC to alternative solvents such as hydrocarbons or modified alcohols
- Redundant process monitoring combined with fire and explosion protection equipment **protects humans and the environment**



Compact and easily accessible thanks to roller shutters



Optional: processing chamber with ultrasound unit



User-friendly control interface

TECHNICAL DETAILS – N2

External machine dimensions



	N2	N2B	R2D
H	94.5 in	94.5 in	122.0 in
L	157.5 in	157.5 in	165.4 in
W	86.6 in	86.6 in	94.5 in
W**	129.9 in	145.7 in	169.3 in

** automatic charging unit

CLEANING MEDIUM

Hydrocarbons or modified alcohols with flashpoint > 131 °F; halogenated hydrocarbons; further solvents on request

BATCHES / GOODS CARRIERS

	N2	N2B	R2D
Standard-external dimensions (L × W × H), max.	1 × 25.98 × 18.90 × 15.75 in, or 4 × 18.90 × 12.60 × 7.87 in	1 × 38.58 × 18.90 × 15.75 in, or 6 × 18.90 × 12.60 × 7.87 in	1 × 52.76 × 18.90 × 15.75 in, or 8 × 18.90 × 12.60 × 7.87 in

further sizes or combinations on request

Batch weight, max. 440 lbs (N2, N2B), 660 lbs (R2D)

Height of charging unit approx. 31.10 - 33.46 in (depending on height of cleaning batch and charging method)

THROUGHPUT

Depending on chosen process up to 15 batches / h with a max. 154 lbs steel

PERFORMANCE DATA

Connected load	approx. 43 – 82 kW
Heat output	10 / 20 / 30 kW, selectable (energy manager)
Heating-up time of machine	approx. 90 min
Sound level	< 75 dB (A)
Solvent volume 1-bath	140 gal
Solvent volume 2-bath	246 gal

OPTIONS

e.g. ultrasound, remote maintenance, preservation bath, etc.

All specifications are approximate values and may vary depending on equipment – errors and omissions excepted



FOCUSED ON OUTCOMES

At our Centre of Competence in Königsbrunn, we assist you in finding the best cleaning solution for your specific needs.

More than 15 water- and solvent-based test machines are available in an area of 10,764 ft². We design optimised cleaning methods and programs that meet your needs by performing test runs with your own dirty parts.

Even before you have decided about the investment, assessing the profitability of the future process can be carried out. The defined technical cleanliness of the components reliably reached and maintained.



MAKING USE OF STRONG PERFORMANCE

- Cleaning tests free of charge, using parts provided by the customer; including documentation
- Evaluations and analyses of cleanliness according to VDA 19 in our laboratory

Contact us for advice:
en.pero.ag/contact-to-pero

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RELIABILITY YOU CAN BANK ON



Safe and reliable

High-precision production and spare parts service



Quality made in Germany

80% vertical range of manufacture in Germany



Worldwide sales and service

Global network of certified service partners

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