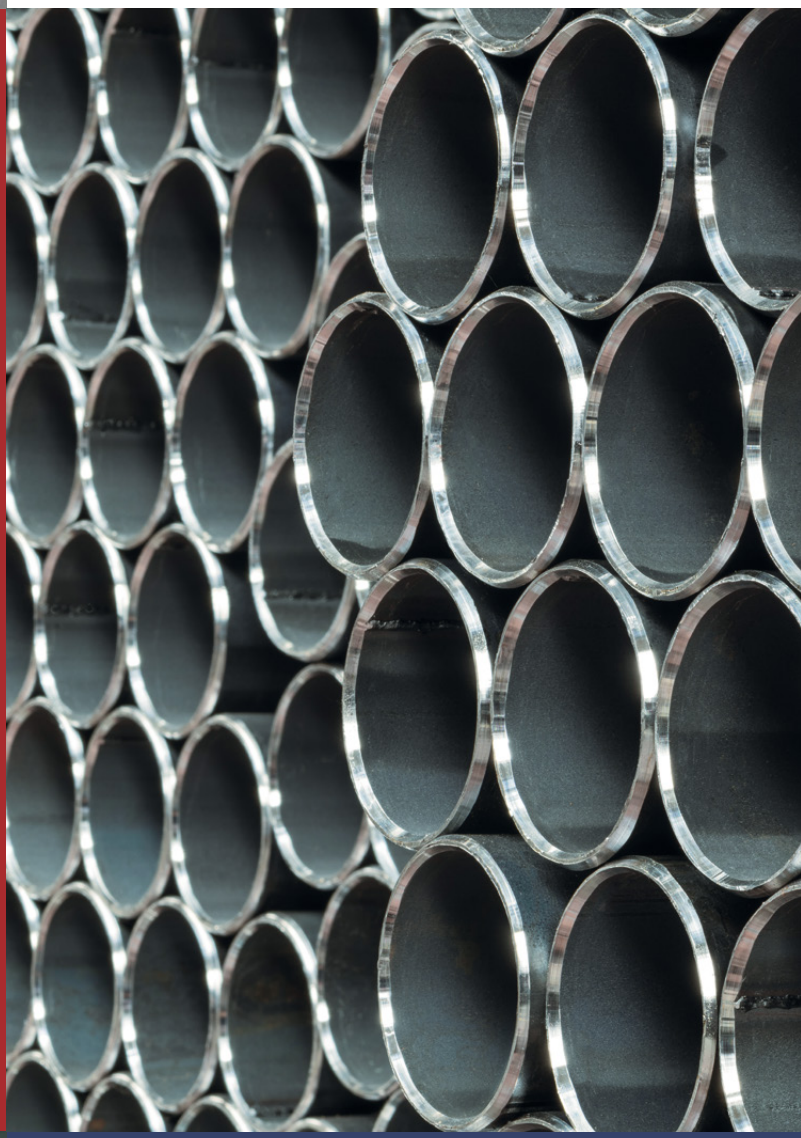
VAN LEEUWEN

Carbon steel pipes, tubes, fittings and flanges



Delivery program

Van Leeuwen.
More than tubes.

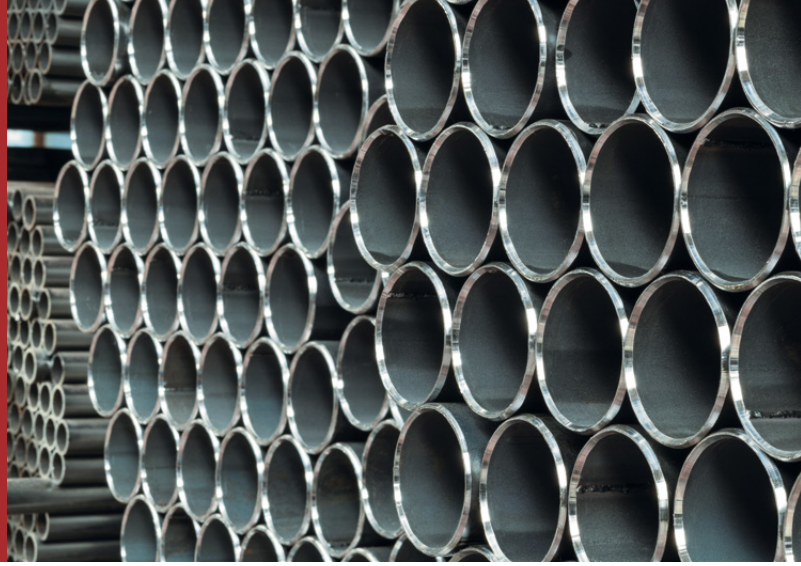
In constructions such as bridges, cranes and stadiums. In furniture, buildings, oil platforms, dairy plants, and agricultural machines. In means of transportation, such as cars, trucks and ships… The entire world revolves around pipes and tubes. In more than a century, Van Leeuwen has grown into a large international company with leading expertise in steel pipes and pipe and tube applications.

The Royal Van Leeuwen Pipe and Tube Group, with its head office in Zwijndrecht, the Netherlands, is a family-owned business founded in 1924. It now has about seventy, largely stock-keeping branches around the world. Apart from an extensive range of pipe and tube products, we offer specialized knowledge and advice, custom material treatments and processing, logistics services and much more. By truly connecting with our customers, our people create the best value for them on a daily basis. This is why we are: “More than tubes”.

Content

Delivery program

Carbon steel tubes



Seamless carbon steel tubes for process and linepipe

Standard	API 5L, ASTM A106, EN10216 ASTM A333 (low temp)
Dimensions	1/2" – 24"
Lengths	Single (4 – 7) and double (8 – 14) random lengths
Delivery conditions	With bevelled ends for sizes with O.D. > 60.3 mm
Materials	Gr. B, Gr. X52, P265GH Gr. 6 LT45, X52, P355 (low temp)
Surface	Mill varnish
Certification	3.1 acc. to EN 10204

Seamless carbon steel tubes for mechanical engineering, construction or pressure requirements

Standard	EN 10297-1, EN 10210-1/2, EN 10216-1/3
Dimensions	10.2 x 1.6 mm to 711 x 100 mm
Lengths	Single (4 – 7) and double (8 – 14) random lengths
Materials	Mostly combined P355N TC1/S355J2H/E355 N
Surface	Black, not oiled
Certification	3.1 acc. to EN 10204

Seamless carbon steel tubes for machining/hollow bar

Standard	EN 10294-1 or ISO 2938
Dimensions	30 x 20 to 250 x 200 mm
Lengths	4 – 8 m
Delivery conditions	Hot rolled condition
Materials	E355 E355 J2 S355J2H E470
Surface	Black, not oiled
Certification	3.1 acc. to EN 10204

Products with other specifications or dimensions are available on request. Please contact us.

Welded light, normal and heavy wall carbon steel tubes

Standard	EN 10219-1/2, EN 10217-1
Dimensions	31,8 x 2 mm to 508 x 20 mm
Lengths	6 m, 6,40 m (special length for greenhouse tubes) or 12 m
Delivery conditions	With plain ends
Materials	S235JRH S355J2H P235TR1/S235JRH
Surface	Black, not oiled Shotblasted and/or painted
Testing	Leak tested
Certification	2.2 acc. to EN 10204 for light and normal wall tubes 3.1 acc. to EN 20104 for heavy wall tubes

Welded normal wall steel tubes for sprinkler systems

Standard	EN 10217-1
Dimensions	42,4 x 2.6 mm to 168,3 x 4 mm
Lengths	6 m
Delivery conditions	Grooved
Materials	P235 TR1
Surface	Black, not oiled
Testing	Leak tested
Certification	2.2 acc. to EN 10204

HFI-welded boiler tubes

Standard	BS 3059/EN 10217-2
Dimensions	33,7 x 2.6 mm to 168,3 x 5.6
Lengths	6,70 m
Delivery conditions	Normalised, internal seam weld removed, tensile strenght max. 440 N/mm², plain ends with caps
Materials	ERW 320/P195GH
Surface	Black, not oiled
Testing	Leak tested
Certification	3.1 acc. to EN 10204

Welded carbon steel pipes for installation purposes

Standard	EN 10255 M / EN 10255 H
Dimensions	1/2" to 4"
Lengths	6 m
Delivery conditions	With plain ends or with thread and coupling
Materials	S195T
Surface	Black or hot-dipped galvanized
Testing	Pressure tested at 50 bar
Certification	2.2 acc. to EN 10204

Products with other specifications or dimensions are available on request. Please contact us.

Welded carbon steel pipes “class A” or construction

Standard	EN 10255 L2/EN 10219-1/2
Dimensions	1/2" to 4"
Lengths	6 m
Delivery conditions	With plain ends or with thread and coupling
Materials	S195T/S235JRH
Surface	Black or hot-dipped galvanized
Testing	Pressure tested at 50 bar for class A.
Certification	2.2 acc. to EN 10204

Welded central heating pipe LEBU®

Standard	EN 10305-3 or DIN 2394
Dimensions	12 x 1,2 mm to 108 x 2 mm
Lengths	6 m
Delivery conditions	Tubes manufactured from pickled or cold rolled strip with plain ends
Materials	E190+CR2/E220+CR2/E260 CR2/E320+CR2 or St.34-2
Surface	High gloss electrolytic zinc plated
Testing	Leak tested
Certification	2.2 acc. to EN 10204

Welded linepipes to ERW API/EN

Standard	API 5L/EN 10217-2/EN 10219-1/2
Dimensions	168,3 x 4.8 mm to 610 x 12.7 mm
Lengths	11.80 m
Delivery conditions	With bevelled ends
Materials	Grade B/P235GH/S235JRH
Surface	Black, not oiled
Testing	Pressure tested to the norm
Certification	3.1 acc. to EN 10204

Welded linepipes to SAW API/EN

Standard	API 5L/EN 10217-5
Dimensions	711 x 7,1 mm to 1219,1 x 12,7 mm
Lengths	11 – 11,80 m
Delivery conditions	With bevelled ends
Materials	Grade B/P265GH TC1/S235JRH
Surface	Black, not oiled
Testing	Pressure tested to the norm
Certification	3.1 acc. to EN 10204

Products with other specifications or dimensions are available on request. Please contact us.

Delivery program

Carbon steel hollow sections

Welded cold formed hollow sections

Standard	EN 10219-1/2
Dimensions	Square: 20 x 20 x 1,5 mm to 400 x 400 x 20 mm Rectangular: 30 x 15 x 2 mm to 500 x 300 x 16 mm
Lengths	6 to 15 m, special and longer lenghts available upon request
Materials	S235JRH/S275J0H/S355J2H
Surface	Black, not oiled
Certification	2.2 acc. to EN 10204 3.1 acc. to EN 10204 for S355 material

Welded or seamless hot formed hollow sections

Standard	EN 10210-1/2
Dimensions	Square: 40 x 40 x 3 mm to 400 x 400 x 20 mm Rectangular: 50 x 30 x 3 mm to 500 x 300 x 16 mm
Lengths	12 or 13 m, other lengths available upon request
Materials	S355J2H
Surface	Black, not oiled
Certification	3.1 acc. to EN 10204

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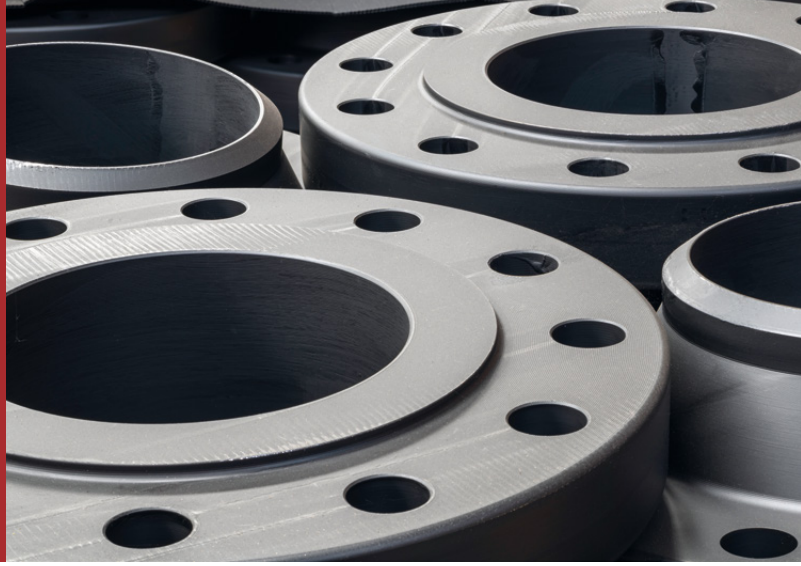
Delivery program

Carbon steel flanges



Forged carbon steel flanges to EN standards

Standard	EN 1092-1	
Type	Type 1	Type 12
	Type 2	Type 13
	Type 5	Type 32
	Type 11	
Dimensions	17.2 x 2 mm	
Delivery conditions	Blind: gasket face form A (up to PN 40) or form B2 (PN 63 and 100)	
	Welding neck: gasket face Form B1 (up to PN 40) or form B2 (PN 63 and 100)	
Materials	P250GH	
Surface	Anti-rust oil (transparent), threaded flanges also in galvanized	
Certification	3.1 acc. to EN 10204	

Carbon steel flanges type L (light) and M (middle)

Type	Blind flanges Flat welding flanges
Dimensions	Blind: NW 15 x 14 mm – NW 1200 x 38 mm Flat welding flanges: (D1) 21.3 mm x 14 mm – 1,220 x 38 mm
Delivery conditions	Blind: flat face with 3 gasket grooves, external edge machined Flat welding flanges: flat face with 3 gasket grooves, internal and external edge machined
Materials	S235JR to EN 10025-2
Surface	Anti-rust oil (transparent)
Certification	3.1 acc. to EN 10204

Products with other specifications or dimensions are available on request. Please contact us.

Forged carbon steel flanges to ASTM/ASME standards

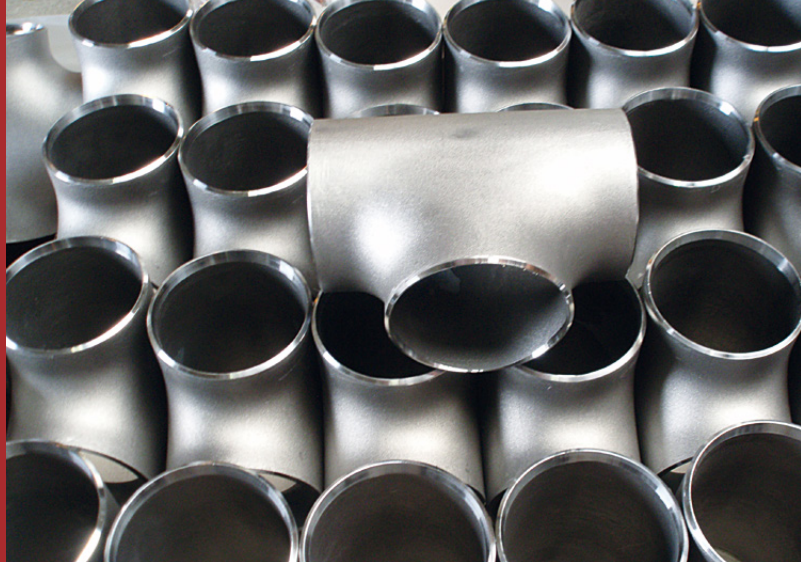
Standard	ASME B16.5, ASME B16.47A for flanges above 24" and BS 3293 for slip-on flanges above 24"
Type	Blind/Threaded/Slip on/Lap joint (FF)/Socket weld/Welding neck (RF) Blind flanges + Welding neck flanges partially available in RTJ
Pressure class lbs	150/300/600/900/1500/2500
Dimensions	Outside diameter: 1/2" – 24" Wall thickness: STD, XS, XXS and Sched. 20 – 160
Delivery conditions	Welding neck and blind flanges also also available as semi-finished, large raised face
Materials	A/SA105N/C21/P280GH
Surface	Mill standard varnish or galvanized
Certification	3.1 acc. to EN 10204

Forged carbon steel flanges to ASTM/ASME standards for low temp

Standard	ASME B16.5
Type	Blind/Slip-on/Socket weld/Welding neck (RF and RTJ)
Pressure class lbs	150/300/600/900/1500/2500
Dimensions	Outside diameter 1/2" – 24" Wall thickness: STD, XS, XXS and Sched. 20 – 160
Delivery conditions	Welding neck and blind flanges also available as semi-finished, large raised face
Materials	A/SA350M LF2 Class 1
Surface	Mill standard varnish
Certification	3.1 acc. to EN 10204

Delivery program

Carbon steel fittings



Seamless carbon steel fittings to EN standards

Standard	EN 10253-1, EN 10253-2
Type	Elbows 45°, 90° and 180°, type 3D and 5D , in some cases 2D Tees, Reducing tees, Caps, Eccentric reducers: Type A Concentric reducers: Type B Saddles acc. to DIN 2618
Dimensions	21.3 x 2 mm – 508 x 12.5 mm
Delivery conditions	With bevelled ends for wall thickness ≥ 3 mm
Materials	P265GH for Caps, P235GH for Tees, Reducers, Elbows and Saddles
Surface	Black, not varnished
Certification	3.1 acc. to EN 10204 2.2 acc. to EN 10204 for material S235

Forged carbon steel fittings to EN standards

Standard	EN 10241
Type	Sockets no.16, Pipe nipples no. 23
Dimensions	1/8" – 4"
Delivery conditions	Sockets with female thread Pipe nipples with male thread on both ends
Surface	Black or galvanized

Seamless carbon steel fittings to ASTM/ASME standards

Standard	ASME B16.9
Type	Elbows, Caps, Concentric Reducers, Eccentric Reducers, Equal Tees, Reducing Tees
Dimensions	Diameter: 1/2" – 24" , caps up to 48" Wall thickness: STD, XS, XXS or Sched. 20 – 160
Delivery conditions	with bevelled ends
Materials	A/SA234 WPB/P265GH or A/SA420 WPL6 (low temp)
Surface	Mill standard varnish Elbows 1" – 8" in STD and XS also available in black, not varnished
Certification	3.1 acc. to EN 10204

Products with other specifications or dimensions are available on request. Please contact us.

Welded carbon steel fittings to ASTM/ASME standards

Standard	ASME B16.9
Type	Elbows, Concentric Reducers, Tees
Dimensions	Diameter: 28" – 36" Wall thickness: STD, XS
Delivery conditions	with bevelled ends
Materials	A/SA234 WPB
Surface	Mill standard varnish
Certification	3.1 acc. to EN 10204

Forged steel fittings 3000/6000 lbs to ASME/MSS standards

Standard	ASME B16.11/BS 3799/MSS SP-79 and/or MSS SP-83
Type	Bushings, caps, couplings, crosses, elbows, half couplings, hex. head plugs, pipe nipples, hex, nipples, swage nipples, reducing inserts, round head plugs, square head plugs, street elbows, tees, unions, o-lets
Dimensions	Diameter 1/8" – 4" , o-lets up to 12"
Delivery conditions	SW or SCR (NPT)
Materials	A/SA105 O-lets: A/SA105/A/SA350 LF2 Pipe nipples: A/SA106 Gr. B Swage nipples: A234 WPB
Surface	Mill standard varnish or galvanized
Certification	3.1 acc. to EN 10204

Services

With a wide range of value adding services, we make our product offer complete. Our services include material treatments, surface protection treatments and material tests and inspections.

Processing services

Many of the products we supply are subject to processing before they are applied by our customers. Outsourcing the first processing steps to Van Leeuwen saves valuable time and cost in the supply chain. Therefore, we offer a wide range of high-quality processing services, surface protections and heat treatments.

Cutting
We cut tubes to the desired length.

Machining
We can machine parts, for example flanges and fittings, to the desired size.

Laser cutting
With laser cuttingwe can cut any shape within or at the end of tubes.

Drilling
Drilling holes in tubes to prepare them for further processing.

Bending
Cold or induction bending in any angle, if the mechanical properties of the tubes allow this.

Flaring
In order to slip one tube over the next, tube ends can be flared. This is often used for piling tubes.

Reducing
Tube ends can be reduced to match a smaller tube, or to slip into a tube of the same diameter.

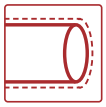
Surface protection

To protect the surface of the tube against damage, rust or other external influences, we offer the following surface treatments:

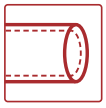
Shotblasting
Tubes, fittings and flanges can be shotblasted, both on the outside and inside, usually before applying a paint or coating

Degreasing
In order to protect the surface, it can be necessary to degrease the material first.

Painting
In order to protect tubes in industrial and marine applications, we offer a protection by paint.



Coating
For a long-lasting protection of the outside of tubes, we offer various coatings such as polyethylene, polypropylene and fusion bonded epoxy.



Lining
For a long-lasting protection of the inside of tubes, we offer various linings such as cement lining, jet fuel lining, rubber lining and polyurethane lining.

Hot-dip galvanizing
The in- and outside of tubes are covered with a layer of zinc by submerging them in bath with hot, molten zinc.

Electrolytic zinc plating
The outside of tubes can be protected by zinc using a current of electricity.

Heat treatments

Stress relief annealing
This means heating the material to reduce stress which can be caused by welding, deforming, stamping, bending etc. of pipe material.

Normalizing
Heating of metals that have been subjected to thermal or mechanical hardening processes and require their microstructure to be normalized. After normalizing, the metal gets back its ductility and the hardness is reduced.

Testing and inspections

Inspections
We can arrange the inspection of materials supervised by third parties such as Lloyds LRQA, TüV, Bureau Veritas and others.

Non-destructive tests
These can be ultrasonic tests, MPE tests, Ferrite tests, Eddy Current tests and more.

Destructive tests
We can perform impact tests, hot yield tests, bending tests, flaring tests, hardness tests, PMI tests and many more.

Upgrading 3.1 certificates
We can upgrade 3.1 certificates with additional tests and inspections under the supervision of a third party.

Van Leeuwen Impact

Our umbrella brand for CO_2 reduced steel pipe and tube products

The future needs sustainability

We all share the common goal to minimize our environmental impact and contribute to a greener world. Van Leeuwen understands the importance of supporting the sustainable ambitions of its customers and partners in the steel pipe and tube industry. Therefore, we have created our brand Van Leeuwen Impact®. Van Leeuwen Impact represents a new line of CO_2 reduced steel pipes and tubes designed to empower businesses to contribute to a more sustainable future.

Van Leeuwen Impact products

Van Leeuwen Impact steel pipes and tubes are sourced from suppliers who share Van Leeuwen's dedication to sustainability. By utilizing innovative production methods and prioritizing CO_2 reduction, Van Leeuwen Impact offers a greener alternative to traditional steel tube products.

Already today, we can offer a broad range of Van Leeuwen Impact products with immense CO_2 savings. We are continuously developing our portfolio. The following Impact product categories are available to to help you reach your sustainability goals.

Product category	Standard	Steel grade
Seamless hot-rolled tubes	EN 10210/10297/10216/ ASTM A106/API 5L	SEP355/P235/P265/API gr. B.
Cold-drawn seamless tubes	EN 10305-1	E235/E355
Seamless precision hydraulic and pneumatic line pipes (HPL)	EN 10305-4	E235/E355
Welded hollow sections	EN 10219/EN 10210	S355/S420

You would like to know more?

Please check our webpage, send an email or ask your local contact person:

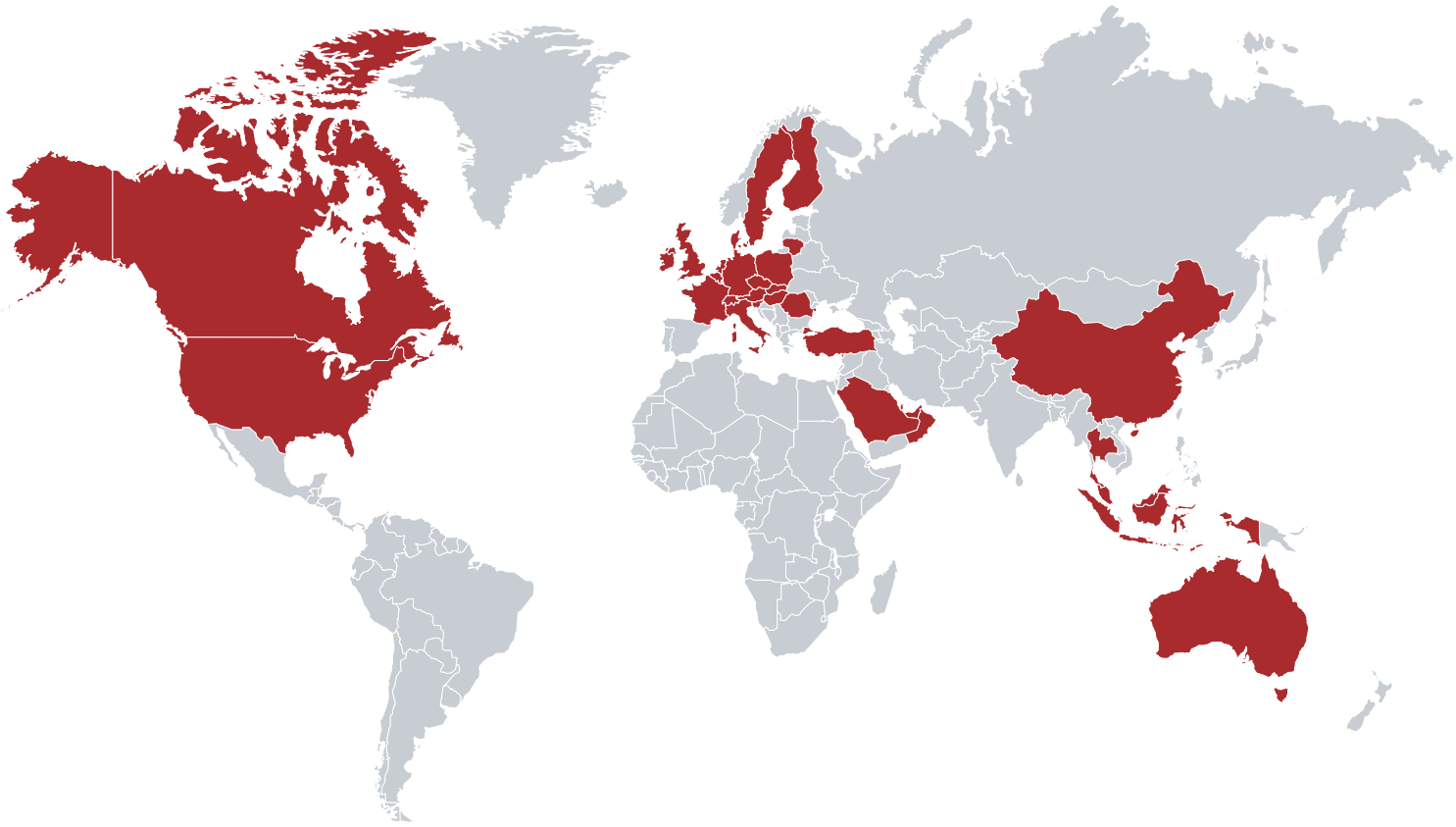
Van Leeuwen Impact
impact@vanleeuwen.com

The global network

Our global network of about seventy, largely stock-keeping sites, forms an important basis for our services. By deploying our global procurement, treatment and distribution capabilities as efficiently and effectively as possible, our international network optimally supports our customers.

The current addresses and contact details for all of our sites are available at www.vanleeuwen.com

Our employees look forward to assisting you.



Countries	32
Offices and warehouses	70
Available storage area	760,000 m^2
Different items in stock	200,000
Employees	2,400
Nationalities	58

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