



Nederman

Vehicle Exhaust Extraction Products



Over 40 years of experience addressing vehicle exhaust fumes indoors.

Our solutions for extracting exhaust gases can be found all over the world, in vehicle repair shops, emergency services, car inspection facilities and bus garages.

The solution may be anything from individual products to complete systems. In the automotive industry, our exhaust nozzles and hoses are often combined with our other products and systems for extracting fumes, dust, and for cleaning. We also have cable reels and systems for distributing lubricants, compressed air, water, electricity etc.

We will help you to:

- Prevent risks to health
- Comply with laws and regulations
- Keep the premises clean and tidy
- Increase productivity

Protecting People, Planet and Products

Exhaust Rail Systems



Vehicle Exhaust on Rail Systems
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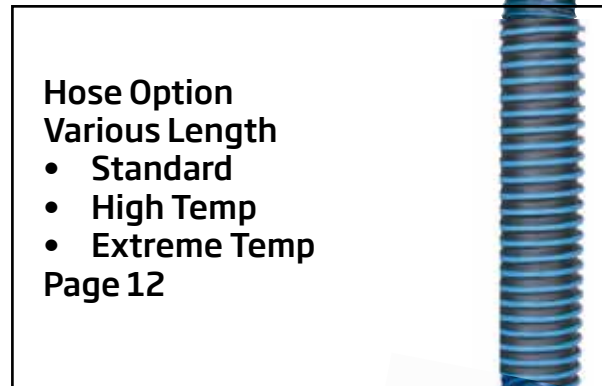


Hose Reel System Parts Guide

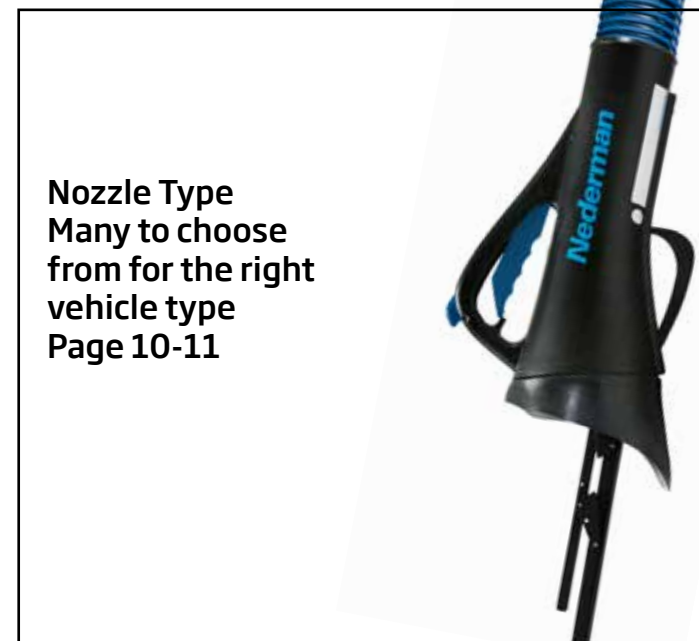
Hose Reel
Spring or Motorized
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Hose Option
Various Length
• Standard
• High Temp
• Extreme Temp
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Nozzle Type
Many to choose
from for the right
vehicle type
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Accessories
For Hose Reels
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Exhaust hose reel 865

Spring-recoil

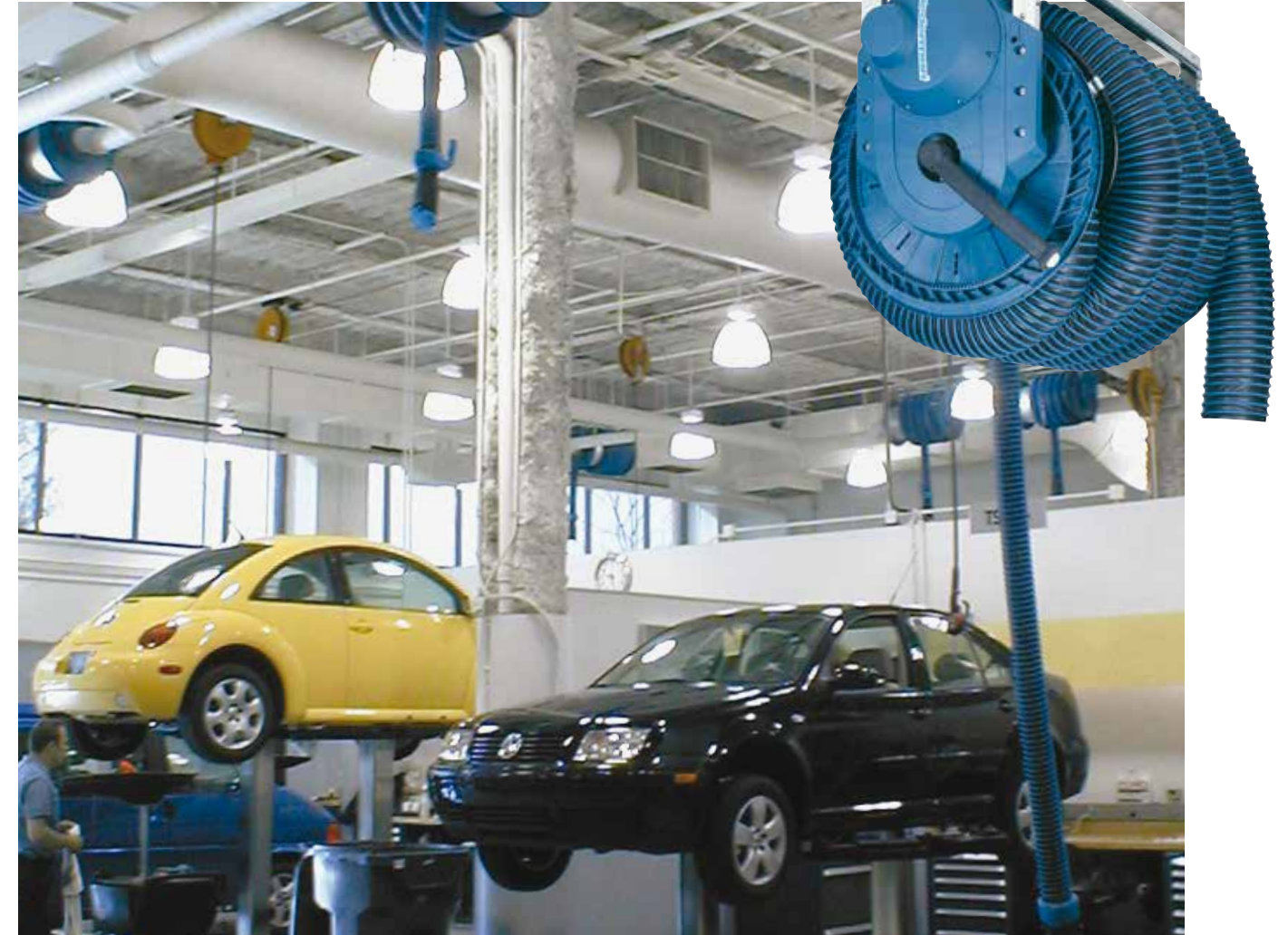


For all types of vehicle workshops, etc. where the hose can be set to hang at a reachable height. The patented spring drive makes the reel very easy to handle. A built-in patented automatic damper saves energy and reduces noise levels. Control of retraction speed optional, to provide increased safety and efficiency. Mounting of fan on reel is possible. The spring recoiled hose reel can be upgraded to motor drive.

- Simple and safe installation.
- Optional automatic damper for energy savings.
- Simple adjustment of lifting capacity.
- Optional automatic start/stop of fan optional.

Exhaust hose reel 865

Electric motor driven



The best solution in workshops with a high ceiling, where overhead cranes etc. have to be considered, or where high vehicles must pass. Operated via a hand unit either an IR control or pendant control. A receiving eye on the reel shows the status of operation. Electronic limit switches reduce the risk of malfunction and unnecessary wear on the hose.

Fan start/stop is automatically

controlled. Mounting of fan on reel is possible.

- Convenient and safe operation.
- Automatic fan control.
- Settings for limit switches made from floor level.
- Compact, modern design.
- Quick & easy installation reduces cost.

Power supply, V	100-240
Number of phases	1
Frequency, Hz	50/60
Max lifting capacity	66 lbs

Hose Ø, in.	Hose type*	Hose length, ft included	Max possible hose length, ft**	Type of reel body	Automatic damper	Reel with hose Part no.	Reel w/o Hose Part no.
3	NR-CP	16	24	short	X	20801465	
4	NR-CP	16	24	short	X	20800665	20800765
4	NR-CP	24	24	short	X	20805365	20800765
4	NR-CP	33	33	wide	X	20801965	20800365
5	NR-CP	16	16	short	X	20801165	20800565
5	NR-CP	24	33	wide	X	20802065	20800165
5	NR-CP	33	33	wide	X	20802165	20800165
6	NR-CP	16	16	short	X	20801065	20804165
6	NR-CP	24	33	wide	X	20802265	20804265
6	NR-CP	33	33	wide	X	20802365	20804265

* Hose type - see separate section. ** Selection of additional hoses: see separate hose section.

Hose Ø, in.	Hose type*	Hose length, ft included	Max possible hose length, ft**	Type of reel body	For manual control	Limit switches	Reel with hose Part no.	Reel w/o hose Part no.
4	NR-CP	24	41	wide	IR or pendant	X	20802965	20802665
4	NFC-3	24	41	wide	IR or pendant	X	20803065	20802665
5	NR-CP	24	33	wide	IR or pendant	X	20803365	20802765
5	NFC-3	24	33	wide	IR or pendant	X	20803465	20802765
6	NR-CP	33	33	wide	IR or pendant	X	20803965	20802865
6	NFC-3	24	33	wide	IR or pendant	X	20803865	20802865

Exhaust hose reel accessories



	Description	For spring recoil reel	For motor driven reel	Part no.
1	Switch for automatic start/stop fan	X		20373557
2	Pendant control, incl. 16 ft cable		X	20373712
3	Cordless control unit, IR		X	20373522
4	Fan bracket	X	X	20373556
5	Extraction trolley, reel on rail, for spring recoiled reel used in combination with exhaust rail ALU 150. For further information, please contact your nearest Nederman dealer.	X		20948610
6	Motor damper	X	X	14500291



Exhaust rail 920



Standard suction hose unit. For more information, please visit our website.



"Touchless" telescopic suction unit. For more information, please visit our website.

- Compact, modern design.
- Easy to position.
- Automatic damper for airflow control.
- Quick and simple installation reduces cost.

Easy to handle systems for all types of workshops. Consists of a basic rail system completed with an exhaust extraction kit. Very high extraction efficiency. One extraction unit can serve several workbays. Extraction units are easy

to move, thanks to light-weight material and ball bearing wheels. Two 400 units serve cars with twin exhaust pipes. Manual disconnection of exhaust nozzles. For the range of nozzles, see the separate section 'Exhaust nozzles'.



Rail kit 920**

Length, ft	Part no.
8	20916020
16.5	20916120
24.35	20916220
33	20916320
41	20916420
49	20916520
57	20916620
65.6	20916720
74	20916820
82	20916920
90	20917020
98	20917120
115	20917220
131	20917320
147	20917420
164	20917520

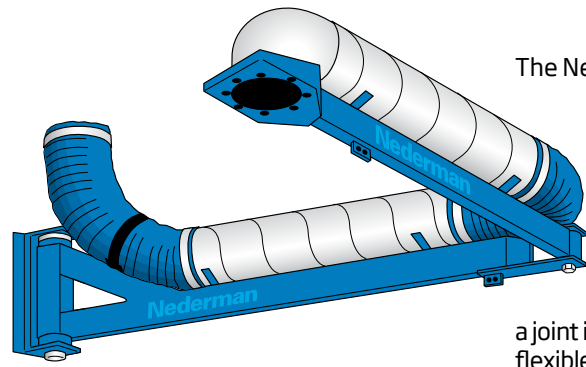
Exhaust extraction unit with trolley, hose

Trolley	Hose Ø, in.	Hose type*	Hose length, ft	Nozzle holder	Balancer for hose	Damper	Holder for balancer line	Part no.
400	4	NR-CP	16	X		X		20915220
400	4	NR-CP	16		X	X	X	20915520
1500	6	NR-CP	16	X		X		20914320
1500	6	NR-CP	16		X	X	X	20914020

Accessories	Rail kit	For 400 trolley	For 1500 trolley	Part no.
Top connection. Outlet: Ø 8 in.	X			20374246
Balancer kit		X		20373759
Safety coupling, Ø 4 in.		X		20374541
Safety coupling, Ø 6 in.			X	20374543

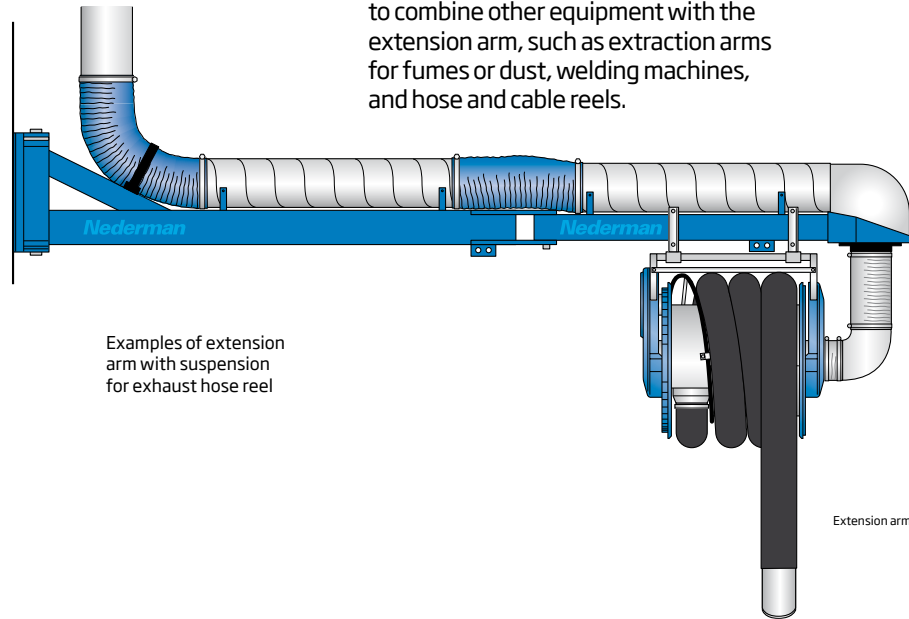
* Hose type - see separate section. ** Complete with suspension parts, joint connectors, rubber seals, end covers and end stops. For rail lengths > 164 ft, please contact your local Nederman dealer.

Extension arm



The Nederman extension arm, 14ft or 20ft, is designed to be used when extra reach is needed. Combine it with single exhaust extractors or exhaust hose reels for cars or trucks. Made of robust steel profiles. Suspended by a pivoting wall bracket and equipped with a joint in the middle, which makes it flexible in all directions. It is also possible to combine other equipment with the extension arm, such as extraction arms for fumes or dust, welding machines, and hose and cable reels.

- A universal bracket makes it possible to fit additional equipment directly on to the extension arm.
- The hose kit must be ordered separately.



Examples of extension arm with suspension for exhaust hose reel

Extension arm

Description	Recovery rate by weight, %	Weight, lbs	Materials	Part no
Extension Arm 14 ft - order duct kit separately	100	160	Powder coated steel	10506635
Extension Arm 20 ft -order duct kit separately	100	205	Powder coated steel	10507735

Accessory	Recovery rate by weight, %	Weight, lbs	Materials	Part no
Suspension for Exhaust Hose Reel	100	4	Powder painted steel	20374358

Hose kit consists of	Max temp of extracted air, °F	Recovery rate by weight, %	lbs	Materials	Part no.
Hose kit 14 ft, exhaust	350	57	26	Galvanized steel pipe, NRCP hose	10374375
Hose kit 20 ft, exhaust	350	71	37	Galvanized steel pipe, NRCP hose	10374374
Hose kit 14 ft, exhaust	600	57	26	Galvanized steel pipe, NRCP hose	10374360
Hose kit 20 ft, exhaust	600	71	37	Galvanized steel pipe, NRCP hose	10374374

Balancer for exhaust hose

- Makes the hose easier to handle.
- Reduces wear on hose and nozzle.
- Safe balancer operation.
- Exceptional hoist length.

Balancer lifts and counterbalances exhaust gas hose and nozzle. The reversed spring power with conical balancer makes handling the hose very easy and safe, offering an even pulling force and lifting power. An integrated centrifugal brake prevents the hose from being lifted too quickly, which minimises the risk of personal injury and damage to vehicles. Hoist length: 26ft.

Description	Capacity, lbs	Part no.	Accessories	Part no.
Conical balancer, incl. ratchet	24	20800431	Pivoting bracket	20331947
Conical balancer, incl. ratchet	33	20800631	Start/stop switch for fan/automatic damper	20374015
Balancer	30	20375057		



Exhaust system for moving vehicles

For more information on exhaust extractor systems for moving vehicles, visit our website.



Example exhaust system for vehicle inspection.



Example exhaust system for emergency depot.

Apart from exhaust gas extraction from stationary vehicles in static workplaces, there is also a need in many cases to extract exhaust gases from moving vehicles. This will be the case, for example, in emergency depots, Vehicle inspection centers, bus garages, truck repair shops etc. Important features in these applications are easy connection of the suction nozzle, automatic and secure uncoupling of the

suction nozzle, and in some cases, automatic and safe return of the extraction unit to its starting position. Nederman can meet all these needs.

Exhaust rail and track

Systems with exhaust rails and tracks offer economical and reliable solutions with direct capture and evacuation of gases from the exhaust pipe, which is the only effective method. The extraction unit comprises the

trolley, suction hose and nozzle attached to the vehicle's exhaust pipe. The vehicle pulls the extractor unit along the track with constant and safe evacuation of the exhaust gases. The suction unit can be fixed to the exhaust pipe mechanically, pneumatically or electromagnetically. The Nederman system can handle low, high and vertically positioned exhaust pipes.

Exhaust Nozzles



Nederman offer an extensive range of robust rubber and metal nozzles to accommodate various types of vehicles and systems. Adjustable test funnels with special design to handle large volumes of hot exhaust from vehicles in inspection centres for example.

- Resistant to very high exhaust temperature - up to 302°F in normal use.
- Easy manual connection and disconnection.
- Well proven models with a soft capturing hood that protects workforce and vehicles.

Rubber nozzles with manual disconnection

	Nozzle type	Description For cars	Description For heavy vehicles	Max exhaust pipe Ø: Single, in.	Max exhaust pipe Ø: Dual, in.	Connection to hose Ø, Dual, in.	Part no.
1	Beak nozzle.	x		3		3	20866561
1	Beak nozzle.	x		3		4	20866461
1	Beak nozzle.	x		5	6 x 3	3	20866961
1	Beak nozzle.	x		5	6 x 3	4	20866861
1	Beak nozzle.		x	5	6 x 3	5	20866761
1	Beak nozzle.		x	5	6 x 3	6	20866661
2	Slips on to the exhaust pipe. Without locking device.	x		4		3 and 4	20815261
3	Spring-loaded lid, wire guard and opening for CO probe. Without locking clamp.	x		4.5	6 x 4.5	4	20802561
3b	Adapter for Ø 75 mm hose, for nozzle no 20802561.	x				3	20373128
4	Spring-loaded lid, wire guard, metal hose and opening for CO probe.	x		3	4 x 3	3	20803461
4	Spring-loaded lid, wire guard, metal hose and opening for CO probe.	x		3	4 x 3	4	20803561
4	Spring-loaded lid, wire guard, metal hose and opening for CO probe.	x		3	4 x 3	5	20803661
5	Wire guard and opening for CO probe. Without lid.	x		3	4 x 3	3	20804061
5	Wire guard and opening for CO probe. Without lid.	x		3	4 x 3	4	20804161
5	Wire guard and opening for CO probe. Without lid.	x		3	4 x 3	5	20804261
6	Wire guard and opening for CO probe. Hose connection angled 60°.	x		3	6 x 3	3	20805461
6	Wire guard and opening for CO probe. Hose connection angled 60°.	x		3	6 x 3	4	20805561
6	Wire guard and opening for CO probe. Hose connection angled 60°. For variable thickness of pipe material.	x		3	6 x 3	4	20808361
7	Lid wire guard and metal hose.		x	6		4	20803161
7	Lid wire guard and metal hose.		x	6		5	20803261
7	Lid wire guard and metal hose.		x	6		6	20803361
8	Wire guard and opening for CO probe. Hose connection angled 60°.		x	4	8 x 4	5	20805661
8	Wire guard and opening for CO probe. Hose connection angled 60°.		x	4	8 x 4	6	20805761
9	Wire guard without lid.		x	6		5	20805861
9	Wire guard without lid.		x	6		6	20805961
10	Swivel and lengthwise compressible hood.		x	7	9.5 x 9.06	6	20806961
10	Swivel and lengthwise compressible hood.		x	9	9.5 x 9.06	8	20807061

All rubber nozzles are resistant to temperatures up to 302 °F. Also suitable for motorcycles.

Exhaust Nozzles



	Description	Max. exhaust pipe Ø, single, in.	Connection to hose Ø, in.	Part no.
11	For heavy vehicles. Made of aluminium. With wire guard.	5	6	20804761
11	For heavy vehicles. Made of aluminium. With wire guard.	6.5	8	20804961



Nozzle on floor stand (e.g. for downward-facing and inset exhaust pipes)

	Description	Connection to hose Ø, in.	Part no.
12	For cars. Rubber funnel, rotatable 360°, vertically adjustable 0-23.5 in., complete with stand.	4	20868361
13	For cars. Funnel rotatable 360°, vertically adjustable 0-23.5 in. Complete with stand, on four wheels, two with brake.	6	20816861
14	For heavy vehicles. Complete with stand. Vertically adjustable 5.12- 17.25 in.	8	20807261



Nozzles for vertical exhaust pipes

	Description	Max. exhaust pipe Ø, in.	Connection Ø, in.	Part no.
15	Galvanised steel nozzle for stack pipes, length: 102.25 in.	10	5.5	20801961
16	Rubber cone nozzle.	10	5/6/8	20808861
17	Telescopic lifting pole for rubber cone nozzle (20808861).			20374287



Nozzles for built-in and covered exhaust pipes

	Description	Exhaust pipe Ø, in. Single	Exhaust pipe Ø, in. Dual (W x H)	Connection to hose Ø, in.	Part no.
18	Plastic cap/rubber hood. Internal grip in two length positions.	1.5-2.75	9.5 x (1.5-2.75)	4	20867261
18	Plastic cap/rubber hood. Internal grip in two length positions.	1.5-2.75	10.5 x (1.5-2.75)	4	20867861



Accessory for exhaust nozzles

	Description	Part no.
19	Adapter for double exhaust pipes, with two hoses, each Ø 3.94 in., length 3 ft.	20815061

Exhaust hoses

The Nederman exhaust hoses are specifically designed to be flexible and ductile, and to have a very low pressure drop. They are resistant to all chemicals in diesel and petrol exhaust fumes, and show high resistance to mechanical stress. Contact Nederman for additional hoses.



1. Standard Hose (NFC-1.5)

- For most normal applications.
- Temperature range:
Continuous use: up to +350 °F.
- Light weight and abrasion resistant.

Hose Ø, in.	Hose length, ft	Part no.
4	16	87800000
4	24	87800001
4	33	87800002
5	16	87800003
5	24	87800004
5	33	87800005
6	16	87800006
6	24	87800007
6	33	87800008
8	16	87800009
8	24	87800010
8	33	87800011



2. Crush-proof rubber hose (NR-CP)

- For more rugged and intensive use.
- Temperature range:
Continuous use: +300 °F.
Short-term use: +330 °F.

Hose Ø, in.	Hose length, ft	Part no.
3	8	20820162
3	16	20820262
4	8	20820362
4	16	20820462
4	24	20820562
4	33	20820662
5	8	20820762
5	16	20820862
5	24	20820962
5	33	20821062
6	8	20821162
6	16	20821262
6	24	20821362
6	33	20821462
8	16	20810762
8	33	20823962



3. High temperature hose (NFC-4.2)

- Temperature range:
Continuous use: +800°F.
Short-term use: +850°F.
- highly resistant to diesel particles.

Hose Ø, in.	Hose length, ft	Part no.
4	16	86900683
4	24	86900684
4	33	86900685
5	16	86900687
5	24	86900688
5	33	86900689
6	16	86900691
6	24	86900692
6	33	86900693
8	16	CALL
8	24	CALL
8	33	CALL

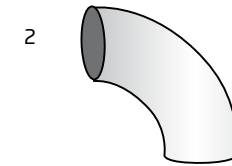
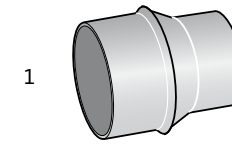
4. Extreme high temperature hose (NFC-6.5)

- Temperature range:
Continuous use: +1200 °F.
Short-term use: +1380 °F.
- Asbestos- and silicon-free high-temperature fabric.

Hose Ø, in.	Hose length, ft	Part no.
6	8	CALL
6	16	CALL
8	8	CALL
8	16	CALL



Exhaust hose accessories



	Description	Ø, in.	Part no.
1	Hose reduction, galvanised steel.	6-5	20344353
1	Hose reduction, galvanised steel.	5-4	20344354
1	Hose reduction, galvanised steel.	4-3	20342483
2	Bend 90°, galvanised steel.	3	20344590
2	Bend 90°, galvanised steel.	4	20344591
2	Bend 90°, galvanised steel.	5	20344592
2	Bend 90°, galvanised steel.	6	20344593
3	Hose clip with rubber sleeves, pair.	3	20342489
3	Hose clip with rubber sleeves, pair.	4	20342490
3	Hose clip with rubber sleeves, pair.	5	20342712
3	Hose clip with rubber sleeves, pair.	6	20331552
3	Hose clip with rubber sleeves, pair.	8	20373838
4	Hose connector, galvanised steel, with hose clip and rubber sleeves.	3	20373286
4	Hose connector, galvanised steel, with hose clip and rubber sleeves.	4	20373287
4	Hose connector, galvanised steel, with hose clip and rubber sleeves.	5	20373288
4	Hose connector, galvanised steel, with hose clip and rubber sleeves.	6	20373289
4	Hose connector, galvanised steel, with hose clip and rubber sleeves.	8	20373290
5	Hose suspension, adjustable, rubber.	4-6	20374530
5	Hose suspension, hard plastic.	3	20373615
5	Hose suspension, hard plastic.	4	20373607
5	Hose suspension, hard plastic.	5	20373608
5	Hose suspension, hard plastic.	6	20373609
6	Hose coupling, incl two sleeves and hose clips.	4	20947410
6	Hose coupling, incl two sleeves and hose clips.	5	20948710
6	Hose coupling, incl two sleeves and hose clips.	6	20948810
6	Hose coupling, incl two sleeves and hose clips.	8	20948910
7	Quick coupler incl. rubber sleeves and hose clips.	4	20374541
7	Quick coupler incl. rubber sleeves and hose clips.	6	20374543
7	Quick coupler, male 4" incl. rubber sleeves and hose clip.	4	20375049
7	Quick coupler, male 6" incl. rubber sleeves and hose clip.	6	20376017
8	Connection kit for quick connection to nozzle.	4	20375048

Spare parts Exhaust extraction

Exhaust hose reel Spring-recoiled	Hose stop	Hose rubber sleeves/clamp (pair)
Product no.	replacement part no.	replacement part no.
20800865	20344475	20342489
20801465	20344475	20342489
20810265	20341188	20342490
20810365	20341188	20342490
20800665	20341188	20342490
20805365	20341188	20342490
20801965	20341188	20342490
20800465	20344111	20342712
20801765	20344111	20342712
20801165	20344111	20342712
20802065	20344111	20342712
20802165	20344111	20342712
20801065	20344476	20331552
20802265	20344476	20331552
20802365	20344476	20331552

Exhaust rail 920 stationary use	Hose rubber sleeves/clamp (pair)	Hose suspension	Cord with stop for balancer	Suspension cord for nozzles
Product no.	replacement part no.	replacement part no.	replacement part no.	replacement part no.
20915720	20342490	-	-	20373753
20915120	20342490	-	-	20373753
20915220	20342490	-	-	20373753
20915620	20342490	20373607	20373835	-
20915020	20342490	20373607	20373835	-
20915520	20342490	20373607	20373835	-
20914320	20331552	-	-	20373753
20914020	20331552	20373609	20373835	-

Exhaust hose reel Motorized	Hose with rubber sleeves/clamp	Hose rubber sleeves/clamp (pair)
Product no.	replacement part no.	replacement part no.
20802965	20820562	20342490
20803065	20822762	20342490
20803365	20820962	20342712
20803465	20823162	20342712
20803965	20821462	20331552
20803865	20823562	20331552

Extension arm	Friction disc kit	Conical balancer	Cord with stop	Ratchet
Product no.	replacement part no.	Product no.	replacement part no.	replacement part no.
10506635	10345214	20800431	20373996	20343459
10507735	10345214	20800631	20373996	20343459



Nederman

Nederman is a world-leading environmental technology company. We filter, clean and recycle to create eco-efficient production in demanding industrial surroundings.

For more than 70 years, Nederman has developed, manufactured, and installed products and solutions to reduce the strain on the environment and improve working conditions in numerous industries.

Our products and systems have been ground-breaking in industries such as machining, metal fabrication, mining, auto motive, composite manufacturing, food, pharmaceuticals, wood-working, and many others.