



# HD 7/10 CXF

Unheated, compact HD 7/10 CXF high-pressure cleaner. Designed for universal use in the commercial food industry and equipped with Servo Control and in-built hose reel.









1 Save time and effort: EASY!Force high-pressure gun and EASY!Lock quick-release couplings.

- Effortless operation at last: the EASY!Force high-pressure gun.
- EASY!Lock quick-release couplings: durable and robust. And five times faster than screws.

#### 2 Hygiene requirements

- Integrated hose reel with food-grade pressure hose and robust, grey wheels.
- Water inlet temperature up to 80°C.

#### 3 Practical detergent system

- Cleaning agent suction system for stubborn dirt.
- The "Inno Foam Set" high-pressure foam system can be used if required.

#### Servo Control 4

- Gentle cleaning of sensitive surfaces.
- н. All parts that come into contact with water are made from special food-grade brass.

# **TECHNICAL DATA AND EQUIPMENT**

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#### HD 7/10 CXF

For sanitary/hygiene/food industry

- High-pressure hose in food-industry qualitiy, grey non-marking wheels
- Energy-saving EASY!Force high-pressure gun for fatigue-free work

Technical data		
Order no.		1.151-906.0
EAN code		4054278164823
Current type	Ph / V / Hz	3 / 400 / 50
Flow rate	l/h	250-700
Working pressure	bar / MPa	10-100 / 1-10
Max. pressure	bar / MPa	120 / 12
Max. inlet temperature	°C	80
Connection load	kW	4.5
Weight	kg	36.5
Dimensions (L × W × H)	mm	360 × 400 × 925
Equipment		
Spray gun		EASY!Force Food
High-pressure hose	m	15 / Food design
Spray lance	mm	840
Triple nozzle (0°/25°/40°)		Manual
Pressure hose reel		1
ANTI!Twist		-
Pressure cut-off		E Contraction of the second seco
Infinitely variable pressure and water flow regulation		•
Servo Control		I contraction of the second
Included in the scope of supply.		



		Order no.	ID	Max. working pressure	Length	Price	Description
Food industry version with unions	on bot	h sides					
High-pressure hose, food grade, 2 x EASY!Lock, DN 8, 10 m, AN- TI!Twist	1	6.110-051.0	ID 8	250 bar	10 m		High-pressure hose (ID 6), 10 m long, with grey, non-mark- ing outer covering. Approved for use in the food industry. With quick and robust EASY!Lock hand screw connection at both ends.
High-pressure hose, food grade, 2 x EASY!Lock, DN 8, 20 m, AN- TI!Twist	2	6.110-052.0	ID 8	250 bar	20 m		Suitable for use in food industry: 20 m long high-pressure hose (ID 8) with grey, non-marking outer covering, AN- TI!Twist and EASY!Lock hand screw connections.
Longlife food design with screw cor	nnectio	ons at both ends		÷			
Longlife 400 high-pressure hose, food grade, 2 x EASY!Lock, DN 8, 10 m, ANTI!Twist	3	6.110-053.0	ID 8	400 bar	10 m		With blue, non-marking and animal fat resistant outer cov- ering: durable high-pressure hose (ID 8), 10 m long, AN- TI!Twist and EASY!Lock hand screw connection at both ends.
Food industry version							
High-pressure hose, food grade, 1x EASY!Lock, 1x hose reel connec- tion attachment kit, 15 m, ID 6, grey	4	6.110-074.0	ID 6	250 bar	15 m		15 m long high-pressure hose (ID 6), food grade, with AVS hose reel connection, EASY!Lock hand screw connection and grey, non-marking outer covering.
Special hoses							
High-pressure hose, 1 x curved EASY!Lock, 1 x M22 x 1.5, DN 8, 400 bar, 1.5 m	5	6.110-068.0	ID 8	400 bar	1.5 m		For connection to hose reels: high-pressure hose, with M 22 × 1.5 connection and curved EASY!Lock hand screw connec- tion. 1.5 m long, suitable for up to 400 bar working pres- sure.

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		Order no.	Flow rate		Price	Description	
Trigger guns			1	1	1	1	ľ
EASY!Force Food	1	4.118-015.0				Perfect for the food industry: the EASY!Force high-pressure gun with full ceramic valve enables fatigueless working due to virtually zero holding force for the operator.	
EASY!Force conversion kit 1 - from high-pressure hose	2	4.111-050.0				For retrofitting Kårcher high-pressure cleaners with existing high-pressure hose: EASYIForce conversion kit 1 with EASYI- Force high-pressure gun, spray lance and all adapters through to the nozzle.	· I –
EASY!Force conversion kit 2 - from machine	3	4.111-051.0				Developed for retrofitting existing high-pressure cleaners from Kärcher: EASY!Force conversion kit 2 with EASY!Force high-pressure gun, spray lance, high-pressure hose and necessary adapters.	[
EASY!Force conversion kit 3 - high-pressure gun	4	4.111-052.0				Compatible with existing high-pressure hose and spray lance: EASY!Force conversion kit 3, incl. EASY!Force trigger gun and all necessary adapters for upgrading your high-pressure cleaner.	
Servo control							
Servo Control controller with EASY!Lock	5	4.118-007.0	0-750 l/h			Servo control for water flow and pressure control (< 750 I/h) on trigger gun.	
Servo Control controller with EASY!Lock, Food	6	4.118-016.0	750-1100 l/h			Water flow and pressure control on the trigger gun. Food- grade, parts in contact with water are stainless steel.	[
Quick connect							
Quick coupling	7	2.115-000.0				For fast changes between different spray lances/accessories. Perfect for Kärcher spray unit, suitable for trigger gun/spray lance interface. With M 22 x 1.5 internal thread.	
Male coupling	8	2.115-001.0				Hardened stainless steel male coupling for quick coupling 2.115-000. With M 22 x 1.5 external thread.	1

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# HD 7/10 CXF 1.151-906.0

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		Order no.	Max. working pressure	Length		Price	Description
Rotating spray lances							
Spray lance, 840 mm, rotating	1	4.112-006.0	300 bar	840 mm			850 mm stainless steel lance (manual coupling) with ergo- nomic handle for ease of use and protection. Rotatable 360° I under pressure.
LED nozzle light	2	2.680-002.0		125 mm			Bright, lightweight LED work light for direct mounting on spray lance of EASYIForce high-pressure gun. Better view in unfavourable lighting conditions for up to 5 working hours.
Spray lance, 250 mm, rotating	3	4.112-027.0	300 bar	250 mm			600 mm stainless steel lance (manual coupling) with ergo-
Spray lance, 400 mm, rotatable	4	4.112-024.0	300 bar	400 mm			nomic handle for ease of use and protection. Rotatable 360°
600 mm spray pipe, rotatable	5	4.112-007.0	300 bar	600 mm			under pressure.
1050 mm spray pipe, rotatable	6	4.112-000.0	300 bar	1050 mm			1050 mm stainless steel lance (manual coupling) with ergo- nomic handle for ease of use and protection. Rotatable 360° under pressure.
1550 mm spray pipe, rotatable	7	4.112-018.0	300 bar	1550 mm			1550 mm stainless steel lance (manual coupling) with ergo- nomic handle for ease of use and protection. Rotatable 360° l under pressure.
2050 mm spray pipe, rotatable	8	4.112-021.0	300 bar	2050 mm			2050 mm stainless steel lance (manual coupling) with ergo- nomic handle for ease of use and protection. Rotatable 360° l under pressure.
EASY!Lock 1000 mm spray lance extender	9	4.112-048.0	300 bar	1000 mm			Spray lance extension with EASY!Lock connection. Length 1000 mm.
Double lance							
Double lance 960 mm	10	2.112-016.0	310 bar	960 mm			960 mm double lance for variable pressure adjustment on handle at full water flow rate. Suitable for agricultural use ( le.g. stable cleaning).
Angular spray lance							
Spray lance for toilets and rain gutters	11	4.112-029.0					Stainless steel lance WC and gutter with nozzle insert. Spe- cially shaped for effective and hygienic cleaning of gutters and toilets.
Flexible spray lance				[		1	
Flexible lance 1050 mm TR 20 articulated joint	12 13	4.112-035.0 4.112-057.0	210 bar 300 bar	1050 mm			1050 mm flexible lance with variable bend from 20° to         140°, ideal for cleaning difficult to reach areas, e.g. gutters.         For hard-to-reach areas: High-pressure articulated joint with
							infinite angle adjustment up to 120°. Simply attach directly 1 to the spray lance of the pressure washer.
Telescopic spray lance		1		1			
Telescopic spray lance	14	4.112-037.0	225 bar	5400 mm			Can be continuously extended from 1.8 to 5.4 m. For clean- ing areas that are difficult to reach, such as ceilings or fa- cades. With integrated HD trigger gun, M 22 x 1.5 connec- tion with rotary coupling. Connection for M 18 x 1.5 nozzles.
Strap for telescopic spray pipe	15	6.373-987.0					Convenient strap for relief when working with the telescop- ic spray lance (6.394-690). The burden is optimally distrib- uted on the body and longer periods of use are possible.
Gutter cleaner			1	<u> </u>	1	1	
Gutter cleaning lance	16	2.112-015.0		960 mm			The lance is suited for cleaning of gutter systems. Because of the shape of the lance and the special nozzle the gutter can be cleaned without removing the cover plates.
Undercarriage spray lance		1	1	I			can be cleaned without removing the cover plates.
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Underbody lance	17	4.112-032.0		700 mm			Stainless steel lance for effective and easy underbody and



		Order no.	Max. working pressure	Length		Price	Description
Additional handle Additional handle for EASY!Lock spray lances	18	4.321-380.0					Comfortable in every situation - the additional handle is easy to attach to the spray lance of our new EASY!Lock generation and makes work easier by allowing you to adjust your posture to suit the particular task. Regularly changing your posture relieves the strain on your body, making work more relaxed. Thanks to the 360°-rotatable spray lance, the additional handle can simply be fully rotated whilst working for greater flexibility.



		Order no.	Max. working pressure	Nozzle size		Price	Description
Triple nozzles							
Triple nozzle 060	1	4.117-040.0	300 bar	60			Triple nozzle with manual nozzle changeover. Convenient spray adjustment. For machines with an injector, the low-pressure flat stream is useful for cleaning agent suction and application. Connection M 18 x 1.5.
Dirt blaster, large							
Dirt blaster, large 055/060	2	4.114-036.0	300 bar	55			The dirt blaster with rotating pencil jet offers 10 times better cleaning performance. Ceramic nozzle and bearing ring for a long service life. Further data: Max. 300 bar, 30 MPa, 85°C.



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		Order no.	Nozzle size		Price	Description	I
HP nozzle spray angle 0°							
High-pressure nozzle 0° - 060	1	2.113-036.0	60			Solid jet for very stubborn dirt and stains.	
Power nozzle spray angle 15°							
Power nozzle 15° - 060	2	2.113-048.0	60			Fan jet nozzle for stubborn dirt and stains.	
Power nozzle spray angle 25°							
Power nozzle 25° - 060	3	2.113-026.0	60			Fan jet nozzle for large-area coverage and stubborn dirt and stains.	

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		Order no.					Price	Description			
Nozzle union											
Nozzle screws	1	4.112-011.0						Nozzle screw nozzles	vs with protectors for	high-pressure and pow	/er
Cleaning agent injector											
Cleaning agent injector for high pressure (without nozzle)	2							Cleaning age	nt dosage at high pres	ssure 3 - 5 %	
Machine-specific nozzle kit with or	1	1			1 1			I			
Nozzle kit HD 500-700 l/h	3	4.769-005.0						For HD 500 nozzle + unic		nozzle insert + HP pow	er 🗆
Rotary coupling	1				1 1		1	1			
Rotary coupling	4	4.111-021.0						Reliably prev 1.5 m. Handl		loses. Connection M 22	×□
Coupling			1		1 1						
Adapter hose extension 9 TR Connector	5	4.111-037.0						Adapter 9 to	connect the new hos	e with the new hose	
Screw socket for surface cleaners and Servo Control controllers	6	4.111-022.0								es and accessory parts 1 rews) - 1 x M 22 x 1.5/	
Y distributor	7	4.111-024.0						Offers the op	otion to connect two s on the high pressure o	pray units to the machi utlet.	ine. 🗆
Short spray unit	8	4.111-038.0						For attaching	g high-pressure nozzle un (with nozzle screws	es and accessory parts t s). Not compatible with	
EASY!Lock adapter					· · · ·						
Adapter 1 M22AG-TR22AG	9	4.111-029.0							connect the old hose		
Adapter 2 M22IG-TR22AG	10	4.111-030.0						· ·	connect the old devic vith the new hose	ce with the new hose ar	nd 🗆
Adapter 3 M22IG-TR22AG	11	4.111-031.0						Adapter 3 to and new serv		with the new spray land	ce 🗆
Adapter 4 TR22IG-D11	12	4.111-032.0						Adapter 4 to	connect the new gun	with the old swivel hose	se 🗌
Adapter 5 TR22IG-M22AG	13	4.111-033.0							connect the new gun vo regulator with the	with the old spray land old spray lance	ce 🗆
Adapter 6 TR22IG-M22AG	14	4.111-034.0						Adapter 6 to		ice with the old hose ar	nd 🗆
Adapter 7 M18IG-TR20AG	15	4.111-035.0							connect the old spray	y lance with the new	
Adapter 8 TR20IG-M18AG	16	4.111-036.0							connect the new spra	ay lance with the old	
Adapter 12 rotary coupling EASY!Lock 22 IG - M22 x 1.8 AG	17	4.111-046.0						Rotatable ad		EASY!Force high-pressu M 22x1.5 connection	re 🗆

■ Included in the scope of supply. □ Available accessories. ▲ Extension hose.

HD 7/10 CXF, 1.151-906.0, 2020-01-22

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		Order no.	Max. working pressure	Nozzle size	Diame- ter	Price	Description	
Pipe cleaning hose, ID 6								
Pipe cleaning hose, ID 6, 10 m, max. 250 bar	1	6.110-046.0	250 bar				The 10 m pipe cleaning hose is a highly flexible high pres- sure hose for pipe interior cleaning (threaded connection for nozzle R 1/8).	r E
Pipe cleaning hose, ID 6, 20 m, max. 250 bar	2	6.110-008.0	250 bar				The 20 m pipe cleaning hose is a highly flexible high pres- sure hose for pipe interior cleaning (threaded connection for nozzle R 1/8).	r E
Pipe cleaning hose, ID 6, 30 m, max. 250 bar	3	6.110-047.0	250 bar				The 30 m pipe cleaning hose is a highly flexible high pres- sure hose for pipe interior cleaning (threaded connection for nozzle R 1/8).	r E
Pipe cleaning hose, ID 6, 10 m, max. 140 bar	4	6.110-048.0	140 bar				10 m flexible high-pressure hose (DN 6) for cleaning pipes (threaded connection for R 1/8 nozzle).	
Pipe cleaning hose, ID 6, 20 m, max. 140 bar	5	6.110-049.0	140 bar				The 20 m pipe cleaning hose is a highly flexible high pres- sure hose for pipe interior cleaning (threaded connection for nozzle R 1/8).	r E
Pipe cleaning hose, ID 6, 30 m, max. 140 bar	6	6.110-050.0	140 bar				30 m flexible high-pressure hose (DN 6) for cleaning pipes (threaded connection for R 1/8 nozzle).	
Pipe cleaning nozzle								
Pipe cleaning dirt blaster D21/060	7	4.765-002.0		60	21 mm		The forward-tilted rotating pencil jet removes the most	E
Pipe cleaning dirt blaster D30/060	8	4.765-005.0		60	30 mm		stubborn dirt. The three backwards-tilted jets ensure the necessary forward movement, as well as convenient han- dling.	
Pipe cleaning nozzle	9	5.763-019.0		65	16 mm		16 mm pipe cleaning nozzle with internal thread. Various jet directions for environmentally-friendly cleaning of blocked drains and pipes.	t
	10	5.763-021.0		70	30 mm		30 mm pipe cleaning nozzle with internal thread. Various jet directions for environmentally-friendly cleaning of blocked drains and pipes.	
Rotating pipe cleaning nozzle	11	6.415-440.0		65	16 mm		Rotating pipe cleaning nozzle with internal thread and four rotating jets for environmentally-friendly cleaning of blocked drains and pipes.	C

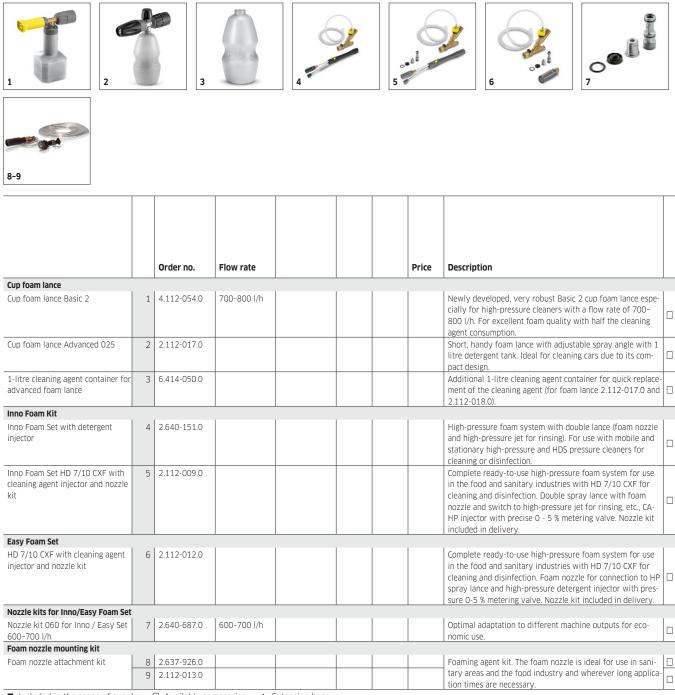
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		Order no.	Flow rate	Nozzle size	Diame- ter	Price	Description	
Hard Surface Cleaner FRV 30	1	1	ſ	1	1 1		1	
Rubber lip for FRV 30	1	2.642-910.0					For smooth floors indoors. The squeegee increases the suction performance of the FRV 30 and minimises the amount of water remaining. This means the floor is dry in just a few minutes.	
Extension hose 5 m	2	4.440-939.0					5m extension hose for FRV 30. Connection sleeve included.	
Hose fastening attachment kit	3	2.642-528.0					Suction cup for fixing the suction hose to smooth surfaces.	
Dirt trap attachment kit	4	2.642-532.0					Galvanised steel bucket for collecting coarse dirt and for fixing the suction hose in outside areas.	
FRV 30 Surface Cleaner	5	2.111-010.0					With the integrated, automatic suction of the dirty water, the FRV 30 makes surface cleaning even more efficient and can be used in both inside and outside areas. There is no longer a need to rinse the surface after cleaning, since the dirty water can be discharged through the 5 m suction hose supplied. Additional quality features are the non-marking steering rollers and double ceramic bearing. Machine-specif- ic nozzle kit must be ordered separately. Max. 250 bar / 1000 l/h / 60°C.	
Hard surface cleaner FR 30	1		1	1	1 I		1	
FR 30 Surface Cleaner	6	2.111-011.0			300 mm		Up to 10 times greater area performance compared with the conventional high-pressure jet. Plastic casing for optimal manoeuvrability, double ceramic bearing for long working times, flexible connection joint for optimal handling and integrated parking position. Machine-specific nozzle kit mus be ordered separately. Max. 180 bar / 850 l/h / 60°C.	
Hard Surface Cleaner FR 30 Me	7	2.111-013.0			300 mm		Hot water resistant stainless steel surface cleaner with double ceramic bearings, non-marking swivel castors and suction hose connection. Ideal for indoor cleaning, e.g. food industry.	
Hard Surface Cleaner FR 50 Surface Cleaner FR 50 Me	8	2.111-023.0			500 mm		Hot water resistant stainless steel surface cleaner with 500 mm working width. Ideal for large areas.With double ceram- ic bearings, push handle, non-marking swivel castors and detergent dosing system.	
Machine-specific nozzle kits for FR Nozzle kit for surface cleaners	1	2.639-187.0	650-850 l/h				Nozzle kit includes power nozzles and unions. For Kärcher surface cleaners (650 to 850 l/h).	
Machine-specific nozzle kits for FR Nozzle kit 050 - for FRV	<b>v</b> 10	2.642-433.0		50			Machine-specific nozzle kit with Kårcher power nozzles and jet nozzle for FRV 30.	
FRV 30 Me surface cleaner			1	1		1		
Extension hose FRV 30 Me and FRV 50 Me FRV 30 Me Surface Cleaner	11						5 m extension hose for FRV 30 Me. Includes connecting adapter. Thanks to automatic suction of the dirty water, the stainless steel FRV 30 Me Surface Cleaner makes surface cleaning more efficient in both inside and outside areas. Hot water cleaning up to 85°C.	



		Order no.	Flow rate	Nozzle size	Diame- ter	Price	Description	
Surface Cleaner FR 50 Me FRV 50 Me surface cleaner	13	2.111-024.0					Surface cleaning with automatic suction of the dirty water for very large surfaces - this means the FRV 50 Me. Hot water cleaning up to 85°C. The FRV 50 Me features a tem- perature-resistant 10 m polyurethane suction hose. Addi- tional quality features are the non-marking steering rollers and double ceramic bearing. Machine-specific nozzle kit must be ordered separately. Max. 250 bar / 2000 l/h / 85°C.	

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		Order no.	Nozzle size		Price	Description	
Wet blasting attachment (without n	ozzle)						
Wet blasting attachment with flow control (without nozzles)	1	4.115-000.0				Paint, rust and scale removal made easy: Kärcher wet blast- ing attachment with flow control for adding blasting abra- sive to the high-pressure jet.	C
Wet blasting attachment without flow control (nozzles not included)	2	4.115-006.0				Paint, rust and scale removal made easy: Kärcher wet blast- ing attachment with flow control for adding blasting abra- sive to the high-pressure jet. Without flow control.	
Nozzle kits for wet jet unit							
Nozzle kit for 060 wet jet unit	3	2.112-025.0	60			Consisting of wet jet nozzle and nozzle insert - only for use in combination with wet jet unit 4.115-000.0   4.115-006.0.	
Boron carbide nozzle							
Boron carbide nozzle, for ma- chines up to 1,000 l/h	4	6.415-084.0	6 mm			In addition to nozzle packs. Very wear-resistant nozzle with boron carbide chuck for continuous-duty operation.	

 $\blacksquare$  Included in the scope of supply.  $\hfill\square$  Available accessories.  $\hfill\blacksquare$  Extension hose.



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		Order no.		Price	De- scrip- tion	
Geka coupling						
Geka connector with hose barb, R 1/2"	1	6.388-461.0			with hose liner	
Geka connector with hose barb, R 3/4"	2	6.388-455.0			with hose liner	
Geka connector with inner thread, R 3/4"	3	6.388-473.0			with female thread	
Suction filter						
Water suction filter	4	6.414-956.0			Suitable for ponds, storage tanks or similar, polyam- ide filter casing, stainless steel strainer, 800 µm mesh, R 3/4" and R 1" connec- tion, without non-re- turn valve	
Suction filter with check valve	5	4.730-012.0			Brass suction filter suitable for ponds, storage tanks, etc. With check valve.	



		Order no.		Price	De- scrip- tion	
Water fine filter						
Water fine filter, with adapter	6	4.730-102.0			Fine- mesh water filter, 125 µm, max. temper- ature 50°C. Protects the	
Water supply hose						
Water supply hose	7	4.440-038.0			NW 13 R1" / R 3/4", up to 30 °C	
Backflow check valve						
Backflow preventer	8	2.641-374.0			To pre- vent deter- gent getting into the drinking water cycle in case of inlet at	





		Order no.	Flow rate		Price	Description
Push-on washing brush					 I	
Push-on wash brush	1	4.762-497.0				The wash brush is fitted directly onto the devices' new dual and triple nozzles using clamping.
	2	4.113-001.0				For general-purpose cleaning of all surfaces. Clamps directly onto the spray lance. Connection M 18 x 1.5
Rotating washing brush						
Rotating wash brush for < 800 l/h machines, nylon bristles	3	4.113-004.0	500-800 l/h			The rotating wash brush gently removes fine dust and traf- fic film from all surfaces. Temperature resistant up to $60^{\circ}$ C. (M 18 x 1.5, replaceable brush insert).
Rotating wash brush for < 800 l/h machines, natural bristles	4	4.113-003.0	500-800 l/h			Driven by water stream. Gently removes fine dust and traffic film from any surface. Temperature resistant up to 60°C, M 18 x 1.5 (replaceable brush insert).