



# 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.









- 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.
- 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 quality, 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
Connected load	kW	4.5
Number of simultaneous users		1
Mobility		cart
Weight	kg	36.5
Dimensions (L × W × H)	mm	360 × 400 × 925
Equipment		
Equipment Spray gun		EASY!Force Food
	m	EASYIForce Food 15 / Food design
Spray gun	m mm	
Spray gun High-pressure hose		15 / Food design
Spray gun High-pressure hose Spray lance		15 / Food design 840
Spray gun High-pressure hose Spray lance Triple nozzle (0°/ 25°/40°)		15 / Food design 840 Manual
Spray gun High-pressure hose Spray lance Triple nozzle (0°/ 25°/40°) HP hose reel		15 / Food design 840 Manual
Spray gun High-pressure hose Spray lance Triple nozzle (0°/ 25°/40°) HP hose reel ANT!!Twist		15 / Food design 840 Manual -
Spray gun High-pressure hose Spray lance Triple nozzle (0°/ 25°/40°) HP hose reel ANT!!Twist Pressure switch-off Infinitely variable pressure and water		15 / Food design 840 Manual • •



		Order po		Max. working					
		Order no.	ID	pressure	Length		Price	Description	
Food industry version with unions	on bot	h sides			I		1		
Hose assembly TR hygiene DN8 25MPa 10m	1	6.110-051.0	DN 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	DN 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- T!!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	DN 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- T!!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	DN 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	DN 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 connection. 1.5 m long, suitable for up to 400 bar working pressure.	

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		Order no.	Flow rate			Price	Description
Trigger guns			11		1		1
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 Kärcher high-pressure cleaners with existing high-pressure hose: EASY!Force conversion kit 1 with EASY!- Force high-pressure gun, spray lance and all adapters through to the nozzle.
EASY!Force conversion kit 2 - from machine	3	4.111-051.0					Developed for retrofitting existing high-pressure cleaners from Kårcher: 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.

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		Order no.	Max. working pressure	Length		Price	Description	
Rotating spray lances		1						
Spray lance	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° under pressure.	
LED nozzle light	2	2.680-002.0					Bright, lightweight LED work light for direct mounting on spray lance of EASY!Force high-pressure gun. Better view in unfavourable lighting conditions for up to 5 working hours.	
Spray lance	3	4.112-027.0	300 bar	250 mm			Spray lance, 600 mm, rotatable, ergonomic	
	4	4.112-024.0	300 bar	400 mm				
	5	4.112-007.0	300 bar	600 mm			600 mm stainless steel lance (manual coupling) with ergo- nomic handle for ease of use and protection. Rotatable 360 under pressure.	
	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.	
	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° under pressure.	
	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° under pressure.	
Spray lance extender	9	4.112-048.0	300 bar	1000 mm			Spray lance extension with EASY!Lock connection. Length 1000 mm.	
Double lance					1	1		1
Double lance	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 ( e.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 High pressure articulated joint	12	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	
	15						infinite angle adjustment up to 120°. Simply attach directly to the spray lance of the pressure washer.	
Telescopic spray lance		1	1		1		1	
Strap for telescopic spray pipe	14	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			
Gutter cleaning lance	15	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								
Underbody lance	16 19.	4.112-032.0 □ Available acc		700 mm Extension hose.			Stainless steel lance for effective and easy underbody and wheel arch cleaning. Without high-pressure nozzle.	



		Order no.	Max. working pressure	Length		Price	Description
Additional handle Additional handle for EASY!Lock spray lances	17	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	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	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	
HP nozzle spray angle 0°		1					
Power nozzle	1	2.113-036.0	60			Solid jet for very stubborn dirt and stains.	
Power nozzle spray angle 15°							
Power nozzle	2	2.113-048.0	60			Fan jet nozzle for stubborn dirt and stains.	
Power nozzle spray angle 25°							
Power nozzle	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 screws with protectors for high-pressure and power nozzles
Cleaning agent injector								1022103
Cleaning agent injector for high pressure (without nozzle)	2							Cleaning agent dosage at high pressure 3 - 5 %
Machine-specific nozzle kit with or	1				1 1		1	
Nozzle kit HD 500-700 l/h	3	4.769-005.0						For HD 500 - 700 l/h. Consists of nozzle insert + HP power nozzle + union
Rotary coupling								
Rotary coupling	4	4.111-021.0						Reliably prevents twisting of HP hoses. Connection M 22 x 1.5 m. Handle protection
Coupling							1	
Adapter hose extension 9 TR	5	4.111-037.0						Adapter 9 to connect the new hose with the new hose
Connector Screw socket for surface cleaners and Servo Control controllers	6	4.111-022.0						For attaching high-pressure nozzles and accessory parts to the HD trigger gun (with nozzle screws) - $1 \times M 22 \times 1.5/1 \times M 18 \times 1.5$ .
Y distributor	7	4.111-024.0						Offers the option to connect two spray units to the machine.
Short spray unit	8	4.111-038.0						Installation on the high pressure outlet. For attaching high-pressure nozzles and accessory parts to HP trigger gun (with nozzle screws). Not compatible with triple nozzles.
EASY!Lock adapter		·1	1				1	
Adapter 1 M22AG-TR22AG	9	4.111-029.0						Adapter 1 to connect the old hose with the new hose
Adapter 2 M22IG-TR22AG	10	4.111-030.0						Adapter 2 to connect the old device with the new hose and the old gun with the new hose
Adapter 3 M22IG-TR22AG	11	4.111-031.0						Adapter 3 to connect the old gun with the new spray lance and new servo regulator
Adapter 4 TR22IG-D11	12	4.111-032.0						Adapter 4 to connect the new gun with the old swivel hose
Adapter 5 TR22IG-M22AG	13	4.111-033.0						Adapter 5 to connect the new gun with the old spray lance and new servo regulator with the old spray lance
Adapter 6 TR22IG-M22AG	14	4.111-034.0						Adapter 6 to connect the new device with the old hose and the old hose with the new gun
Adapter 7 M18IG-TR20AG	15	4.111-035.0						Adapter 7 to connect the old spray lance with the new nozzle
Adapter 8 TR20IG-M18AG	16	4.111-036.0						Adapter 8 to connect the new spray lance with the old nozzle
Adapter 12 rotary coupling EASY!Lock 22 IG - M22 x 1.8 AG	17	4.111-046.0						Rotatable adapter for connecting EASY!Force high-pressure gun and high-pressure hoses with M 22x1.5 connection

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

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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 fo nozzle R 1/8).	r 🗆
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 fo nozzle R 1/8).	r 🗆
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 fo nozzle R 1/8).	r 🗆
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 fo nozzle R 1/8).	r 🗆
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	
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 je directions for environmentally-friendly cleaning of blocked drains and pipes.	
	10	5.763-021.0		70	30 mm			30 mm pipe cleaning nozzle with internal thread. Various je 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.	
Drum and tank cleaning									
Add-on kit mud sucker	12	2.641-798.0						For connection to the high-pressure hose of Kärcher high-pressure cleaners: Powerful sludge suction cleaner for the retrofitting of high-pressure cleaners to dirt pumps.	

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		Order no.	Flow rate	Nozzle size	Diame- ter	Price	Description	
Hard Surface Cleaner FRV 30			1	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		L	1	1	1 1	1	1	
FR 30 Surface Cleaner FR 30 Me 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		<u> </u>	I	1				
Nozzle kit for surface cleaners		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 FRV Nozzle kit 050 - for FRV	10	2.642-433.0		50			Machine-specific nozzle kit with Kärcher power nozzles and	
	10	2.072 433.0					jet nozzle for FRV 30.	
FRV 30 Me surface cleaner Extension hose FRV 30 Me and FRV 50 Me	11	4.441-040.0					5 m extension hose for FRV 30 Me. Includes connecting adapter.	
FRV 30 Me Surface Cleaner	12		cessories.				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.	

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		Order no.	Flow rate	Inlet tempera- ture	Length	Length	Price	Description
Teleskopstangen								
TL low pressure adapter	1	4.580-097.0		max. 40 °C				TL low-pressure adapter comprising ball valve for tool-free installation on telescopic lances. Ideal for applications with rotating high-pressure brushes.
Telescopic lance TL 7 F	2	4.762-609.0		max. 60 °C				Telescopic lance TL 7 F with up to 7 m reach made from robust and lightweight glass fibre. With practical quick-re- lease fasteners for simple retraction and extension.
Telescopic lance TL 7 H	3	4.762-610.0		max. 60 °C				Multifunctional hybrid telescopic lance TL 7 H made of rigid and lightweight carbon-glass fibre mix. Telescopic thanks to quick-release fastenings. Up to 7 m reach.
Telescopic lance TL 10 H	4	4.762-611.0		max. 60 °C				Up to 10 m reach: hybrid telescopic lance TL 10 H. Compris- ing carbon-glass fibre mix and suitable for multifunctional use. Simple retraction and extension thanks to quick-release fasteners.
Telescopic lance TL 10 C	5	4.762-612.0		max. 60 °C				Carbon fibre telescopic lance TL 10 C. With up to 10 m reach and practical quick-release fasteners. Multifunctional use for cleaning facades, windows or solar panels.
Telescopic lance TL 14 C	6	4.762-613.0		max. 60 °C				Maximum rigidity with minimum weight: telescopic lance TL 14 C made from carbon fibre. Enormous reach of 14 m, multifunctional use and easy to use thanks to quick-release fasteners.
TL high pressure adapter	7	4.775-154.0		max. 60 °C				TL high-pressure adapter, flexible high-pressure gun for high-pressure cleaning with telescopic lances. Ergonomic, easy to install, suitable for right- and left-handed individu- als.



		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	Description	
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					
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, polyamide filte casing, stainless steel strainer, 800 µm mesh, R 3/4" and R 1" connection, without non-return valve	
Suction filter with check valve	5	4.730-012.0				Brass suction filter suitable for ponds, storage tanks, etc. With check valve.	
Water fine filter							
Universal water fine filter, 25 μm	6	2.637-020.0				Fine-mesh water filter, 25 µm, max. temperature 50°C. Protects the high-pressure cleaner from dirt particles con- tained in the water. Water flow rate up to 1200 I/h. Connec tion 3/4", with adapter, 1".	:-
Water fine filter, with adapter	7	4.730-102.0				Fine-mesh water filter, 125 µm, max. temperature 50°C. Protects the high-pressure cleaner from dirt particles con- tained in the water. Water flow rate up to 1200 I/h. Connec tion 3/4", with adapter, 1".	:- [
Water supply hose							
Water supply hose	8	4.440-038.0				NW 13 R1" / R 3/4", up to 30 °C	
Backflow check valve							
Backflow preventer	9	2.641-374.0				To prevent detergent getting into the drinking water cycle i case of inlet at low-pressure hot water resistant up to 80 °C - tested according to IEC 60335-2-79 - integrated leakag protection	



		Order no.	Flow rate		Price	Description
Push-on washing brush						
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).