

HDS 10/21-4 MXA

The hot water high-pressure cleaner with 4-pole, water-cooled electric motor and automatic hose reel skilfully combines user-friendly convenience with maximum performance.



Order no.

1.071-938.0

- eco!efficiency mode, water-cooled 4-pole electric motor with axial pump
- Automatic hose reel with 20-metre-long Ultra Guard hose with Teflon® coating
- EASY!Force Advanced with servo control controller, 2 detergent tanks, descaler

Technical data

EAN code		4054278955865
Number of current phases	Ph	3
Voltage	V	400
Frequency	Hz	50
Flow Rate	l/h	500 - 1000
Operating pressure	bar / MPa	30 - 210 / 3 - 21
Max. Pressure	bar	250
Temperature (supply 12°C)	°C	min. 80 - max. 155
Power rating	kW	8
Consumption of fuel oil at full load	kg/h	7.3
Heating oil consumption, eco!efficiency	kg/h	5.8
Power cable	m	5
Fuel tank	l	25
Weight (with accessories)	kg	172.6
Weight incl. packaging	kg	184.8
Dimensions (L × W × H)	mm	1330 × 750 × 1210

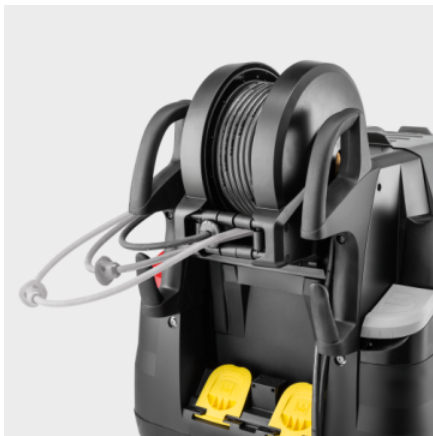
Scope of supply

Spray gun: EASY!Force Advanced
 High-pressure hose length: 20 m
 High-pressure hose specification: DN 8, 315 bar
 Spray lance: 1050 mm
 Power nozzle
 Servo Control

Equipment

Detergent function: 20 + 10 l tank
 integrated automatic hose reel
 ANTI!Twist
 Tanks for detergent, calcification protection and fuel that can be filled from the outside
 Control bar with display light
 Pressure cut-off
 Pole reversing plug (three-phase)
 2 Detergent tanks
 Dry running protection

This machine requires instruction.



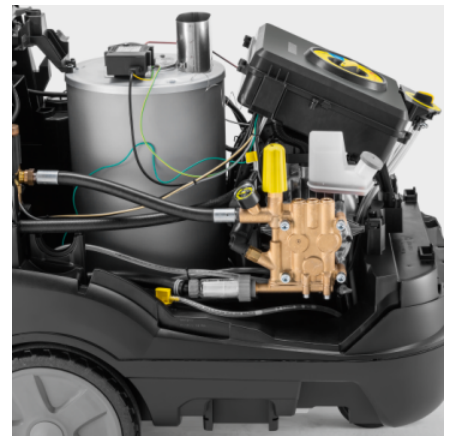
Automatic hose reel

- Scratch-resistant and smooth Ultra Guard HD hose with Teflon® coating.
- Automatic hose reel for convenient and safe storage of the 20 metre high-pressure hose.



High efficiency

- In eco!efficiency mode, the machine operates in the most economical temperature range (60 °C) – with full water flow.
- The burner cycles are optimised to reduce fuel consumption by 20% compared to full load operation.



Maximum efficiency

- Highly efficient, tried-and-tested "Made in Germany" burner technology.
- 4-pole electric motor with 3-piston axial pump.
- Water-cooled motor for a high performance and long service life.

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		Order no.	Description	
TRIGGER GUNS				
Trigger guns				
EASY!Force Advanced	1	4.118-005.0	Effortless, not energy-sapping: the EASY!Force high-pressure gun uses the recoil force of the high-pressure jet to reduce the holding force for the operator to zero.	■
Pistol TR 155°C with package	2	4.119-002.0	High-quality Classic spray gun with robust valve. Also suitable for Kärcher hot water high-pressure cleaners.	□
EASY!Force conversion kit 1 – from high-pressure hose	3	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 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, 750 l/h – 1100 l/h	5	4.118-008.0	Water quantity and pressure regulated directly from the hand spray gun.	■
Servo Control, 1100 l/h –	6	4.118-009.0	Servo control for water flow and pressure control (> 1100 l/h) on the trigger gun.	□
SPRAY LANCES				
Rotating spray lances				
Spray lance, 1050 mm, rotatable	7	4.112-000.0	1050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	■
Jet pipe with transport packaging, 840 mm	8	4.119-003.0	Rotating Classic spray lance with ergonomic handle bowls in a robust and high-quality stainless steel design. Also suitable for Kärcher hot water high-pressure cleaners.	□
Jet pipe TR 1050mm with package, 1050 mm	9	4.119-008.0	High-pressure spray lance with EASY!Lock screw connections from the Classic series from Kärcher. Also suitable for Kärcher hot water high-pressure cleaners.	□
Jet pipe TR 600mm with package, 600 mm	10	4.119-009.0	Rotating Classic spray lance with ergonomic handle bowls in a robust and high-quality stainless steel design. Also suitable for Kärcher hot water high-pressure cleaners.	□
Jet pipe Classic TR 100mm, 100 mm	11	4.119-013.0		□
Jet pipe Classic TR 200mm, 200 mm	12	4.119-014.0		□
Jet pipe Classic TR 400mm, 400 mm	13	4.119-015.0		□
LED nozzle light	14	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.	□

■ Included in delivery. □ Available accessories.

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		Order no.	Description	
SPRAY LANCES				
Rotating spray lances				
Spray lance, 250 mm, rotatable	15	4.112-027.0	Spray lance, 250 mm, rotatable, ergonomic	☐
Spray lance, 400 mm, rotatable	16	4.112-024.0	Spray lance, 400 mm, rotatable, ergonomic	☐
Spray lance, 600 mm, rotatable	17	4.112-007.0	600 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	☐
Spray lance, 840 mm, rotatable	18	4.112-006.0	850 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	☐
Spray lance, 1550 mm, rotatable	19	4.112-018.0	1550 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	☐
Spray lance, 2050 mm, rotatable	20	4.112-021.0	2050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	☐
Spray lance extender, 1000 mm	21	4.112-048.0	Spray lance extension with EASY!Lock connection. Length 1000 mm.	☐
Double lance				
Double lance, 960 mm	22	2.112-016.0	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				
WC and gutter lance	23	4.112-029.0	Stainless steel lance WC and gutter with nozzle insert. Specially shaped for effective and hygienic cleaning of gutters and toilets.	☐
Flexible spray lance				
Flexible lance, 1050 mm	24	4.112-035.0	1050 mm flexible lance with variable bend from 20° to 140°, ideal for cleaning difficult to reach areas, e.g. gutters.	☐
High pressure articulated joint	25	4.112-057.0	For hard-to-reach areas: High-pressure articulated joint with infinite angle adjustment up to 120°. Simply attach directly to the spray lance of the pressure washer.	☐
Gutter cleaner				
Gutter cleaning lance	26	2.112-015.0	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	27	4.112-032.0	Stainless steel lance for effective and easy underbody and wheel arch cleaning. Without high-pressure nozzle.	☐
Additional handle				
Additional handle for EASY!Lock spray lances	28	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.	☐

☐ Available accessories.

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		Order no.	Description	
KÄRCHER POWER NOZZLE				
Power nozzle spray angle 25°				
Power Nozzle 25°, 052	29	2.113-024.0	Fan jet nozzle with 25° spray angle, suitable for large areas and removing stubborn dirt and stains.	■
Power Nozzle , 070	30	2.113-028.0	Fan jet nozzle for large-area coverage and stubborn dirt and stains.	□
HP nozzle spray angle 0°				
Power nozzle 0°, 050	31	2.113-034.0	High-pressure nozzle with powerful jet for extremely stubborn dirt.	□
Power nozzle 0°, 075	32	2.113-037.0		□
Power nozzle spray angle 15°				
Power nozzle 15°, 055	33	2.113-047.0	Fan jet nozzle with 15° spray angle suitable for stubborn dirt.	□
Power nozzle 15°, 070	34	2.113-049.0		□
Power nozzle spray angle 40°				
Power Nozzle 40°, 050	35	2.113-054.0	Power nozzle with a 40° spray angle and fan jet, suitable for large areas and sensitive surfaces.	□
Power Nozzle 40°, 075	36	2.113-056.0		□
HIGH-PRESSURE HOSES				
Ultra Guard				
High-pressure hose Ultra Guard, 20 m, ID 8, max. 315 bar	37	6.110-083.0	Ultra Guard high-pressure hose with smooth and extremely hard-wearing coating. Robust hose line for maximum service life in the toughest conditions.	■
Standard with unions on both sides				
High-pressure hose, 10 m, ID 10, 220 bar, 2 × EASY!Lock	38	6.110-041.0	Impressive values and basic equipment: 10 m long high-pressure hose (DN 10) developed for pressures up to 220 bar.	□
High-pressure hose, 10 m, ID 8, 315 bar, 2 × EASY!Lock	39	6.110-031.0	High-pressure hose (DN 8) suitable up to 315 bar pressure. With innovative EASY!Lock manual screw fitting on both sides, ANTI!Twist and 10 m long.	□
High-pressure hose, 15 m, ID 8, 315 bar, 2 × EASY!Lock	40	6.110-030.0	15 m long high-pressure hose, DN 8, with ANTI!Twist and time-saving EASY!Lock manual screw fitting on both sides.	□
High-pressure hose, 20 m, ID 8, 315 bar, 2 × EASY!Lock	41	6.110-032.0	20 m long high-pressure hose (DN 8) equipped with the time-saving and robust EASY!Lock manual screw fitting on both sides. Approved for pressures up to 315 bar.	□
High-pressure hose, 30 m, ID 8, 315 bar, 2 × EASY!Lock	42	6.110-014.0	Comfortable length (30 m) and innovative EASY!Lock manual screw fitting: High-pressure hose (DN 8) with ANTI!Twist for pressures up to 315 bar.	□

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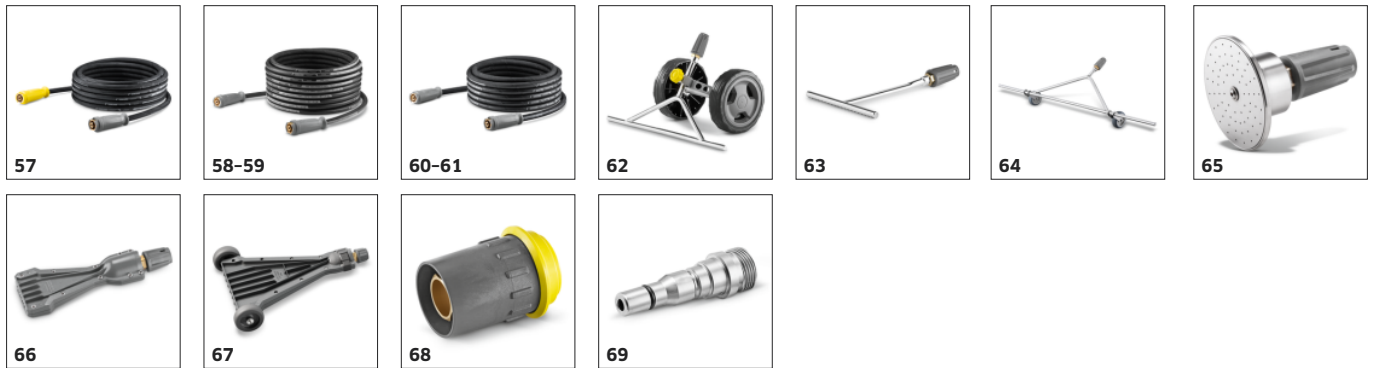


		Order no.	Description	
HIGH-PRESSURE HOSES				
Standard with unions on both sides				
High-pressure hose, 15 m, ID 10, 220 bar, 2 × EASY!Lock	43	6.110-042.0	Equipped with innovative EASY!Lock manual screw fitting and suitable for pressures up to 220 bar: 15 m long high-pressure hose (DN 10).	☐
High-pressure hose, 20 m, ID 10, 220 bar, 2 × EASY!Lock	44	6.110-043.0	20 m in length and the extremely time-saving and comfortable EASY!Lock manual screw fitting on both sides are some of the main features of this high-pressure hose (DN 10).	☐
High-pressure hose, 25 m, ID 10, 220 bar, 2 × EASY!Lock	45	6.110-044.0	Impressive values and basic equipment: 25 m long high-pressure hose (DN 10) developed for pressures up to 220 bar.	☐
High-pressure hose, 40 m, ID 10, 220 bar, 2 × EASY!Lock	46	6.110-045.0	40 m long high-pressure hose with EASY!Lock system for the time-saving manual screw connection (both sides). Nominal size (DN) 10, working pressure up to 220 bar.	☐
High-pressure hose, 15 m, ID 12, 210 bar, 2 × EASY!Lock	47	6.110-059.0	Designed for working pressures up to 250 bar: High-pressure hose (DN 12) with a length of 15 m. Has the comfortable EASY!Lock manual screw fitting on both sides.	☐
High-pressure hose, 40 m, ID 12, 210 bar, 2 × EASY!Lock	48	6.110-060.0	With EASY!Lock manual screw fitting and lots of room for manoeuvre thanks to 40 m in length: High-pressure hose (DN 12) with EASY!Lock manual screw fitting on both sides. Suitable for working pressures up to 250 bar.	☐
Longlife 400 with unions on both sides				
High-pressure hose Longlife, 1,5 m, ID 8, 400 bar, 2 × EASY!Lock	49	6.110-024.0	1.5 m short high-pressure hose (DN 8). Comfortable EASY!Lock manual screw fitting on both sides for robust and quick connections. Durable and designed for up to 400 bar pressure.	☐
High-pressure hose Longlife, 10 m, ID 8, 400 bar, 2 × EASY!Lock	50	6.110-038.0	Durable, 10 m long high-pressure hose (DN 8) with double steel core and EASY!Lock manual screw fitting on both sides and ANTI!Twist. Approved for 400 bar pressure.	☐
High-pressure hose Longlife, 30 m, ID 8, 400 bar, 2 × EASY!Lock	51	6.110-023.0	Robust high-pressure hose with double steel core, ANTI!Twist and EASY!Lock manual screw fitting on both sides. Nominal size DN 8, 30 m long, for up to 400 bar pressure.	☐
High-pressure hose Longlife, 20 m, ID 8, 400 bar, 2 × EASY!Lock	52	6.110-027.0	High-pressure hose with ANTI!Twist, EASY!Lock manual screw fittings and double steel core. 20 m long, nominal size DN 8, EASY!Lock manual screw fitting on both sides.	☐
High-pressure hose Longlife, 15 m, ID 8, 400 bar, 2 × EASY!Lock	53	6.110-029.0	The double steel core ensures a particularly long life of this 15 m long high-pressure hose (DN 8), which is approved for pressures up to 400 bar.	☐
Food industry version with unions on both sides				
High-pressure hose food grade, 10 m, ID 8, 250 bar, 2 × EASY!Lock	54	6.110-051.0	High-pressure hose (ID 6), 10 m long, with grey, non-marking 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, 20 m, ID 8, 250 bar, 2 × EASY!Lock	55	6.110-052.0	Suitable for use in food industry: 20 m long high-pressure hose (ID 8) with grey, non-marking outer covering, ANTI!Twist and EASY!Lock hand screw connections.	☐
Longlife food industry version with unions on both sides				
High-pressure hose food grade Longlife, 10 m, ID 8, 400 bar, 2 × EASY!Lock	56	6.110-053.0	With blue, non-marking and animal fat resistant outer covering: durable high-pressure hose (ID 8), 10 m long, ANTI!Twist and EASY!Lock hand screw connection at both ends.	☐

☐ Available accessories.

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		Order no.	Description	
HIGH-PRESSURE HOSES				
Classic				
High-pressure hose Classic, 10 m, ID 8, 315 bar × , EASY!Lock	57	4.119-005.0	High pressure hose with convenient EASY!Lock manual fitting from the Classic series by Kärcher. Also suitable for hot water high-pressure cleaners.	☐
Hose TR DN8 31,5MPa 20m with package, 20 m, ID 8, 315 bar × , EASY!Lock	58	4.119-006.0		☐
Hose TR DN8 31,5MPa 30m with package, 30 m, ID 8, 315 bar × , EASY!Lock	59	4.119-007.0		☐
Hose assembly with package TR DN10 25MPa, 20 m, ID 10, 250 bar × , EASY!Lock	60	4.119-019.0		☐
Hose assembly with package TR DN10 25MPa, 40 m, ID 10, 250 bar × , EASY!Lock	61	4.119-020.0		☐
WEED CONTROL				
WR 50	62	2.114-013.0	In combination with a hot water high-pressure cleaner from Kärcher, the 50 cm wide weed remover WR 50 is ideal for removing weeds. It comes with an adaptive chassis and nozzle adapter.	☐
WR 20	63	2.114-014.0	For thorough weed removal: The WR 20 weed remover for use with a hot water high-pressure cleaner from Kärcher. Equipped with a 20 cm wide nozzle bar and nozzle adapter.	☐
WR 100	64	2.114-015.0	Comfortable and fast weed removal: WR 100 weed remover with chassis, 100 cm wide nozzle bar and integrated nozzle adapter for use with hot water high-pressure cleaners.	☐
WR 10	65	2.114-016.0	In combination with hot water high-pressure cleaners our WR 10 weed remover enables fast and thorough weed removal. With 10 cm spray head and nozzle adapter.	☐
ECO!BOOSTER				
ecoBooster TR 080	66	2.113-089.0	ecoBooster with 50% higher area performance than the Kärcher power nozzle; ideal for delicate surfaces. For cold and hot water high-pressure cleaners (nozzle size 080).	☐
EcoBooster MAX TR 080	67	2.113-099.0	Maximum efficiency and versatility in professional cleaning. The ecoBooster MAX offers more than double the area performance and ergonomic handling.	☐
QUICK CONNECT				
Quick-fitting pipe union coupler trapezo	68	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 × 1.5 internal thread.	☐
Quick-fitting pipe union plug nipple tra	69	2.115-001.0	Hardened stainless steel male coupling for quick coupling 2.115-000. With M 22 × 1.5 external thread.	☐
DRUM AND TANK CLEANING				
Add-on kit mud sucker	70	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.	☐

☐ Available accessories.

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ADD-ON KITS				
Add-on kit hour counter	71	2.853-192.0	Elapsed time counter attachment kit for determining the appliance running time.	☐
OTHER HP ACCESSORIES				
Jet gun	72	2.869-067.0	Short set-up time, easy transport, instant switch off – the jet gun is the affordable cleaning method for all kinds of small to medium-sized areas. Adjustable pressure/water volume.	☐
FLUE PIPE				
Flue gas adapter	73	4.656-149.0	Flue gas adapter with draught damper for flue pipe connection (adapter for HDS burners for connection to a stack system).	☐
	74	4.656-080.0		☐
SEALS FOR TRAPEZOIDAL THREAD				
Spare part set seals TR	75	2.880-001.0		☐
ROTARY NOZZLES (DIRT BLASTERS)				
Dirt blaster, large				
Dirt blaster, large, 050	76	4.114-027.0	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.	☐
Dirt blaster, large, 070/080	77	4.114-030.0		☐
Dirt blaster Vibrasoft, 050	78	4.114-066.0	Vibrasoft rotary nozzle with rotating point jet for ten times greater cleaning performance. Durable dirt blaster thanks to ceramic nozzle. Reduces vibrations by up to 30% for maximum ergonomics.	☐
Classic rotary nozzle				
Rotor nozzle TR 080	79	4.119-026.0	The powerful rotating point jet of the Classic rotary nozzle from Kärcher ensures the best possible cleaning results and is suitable for water temperatures of up to 60 °C.	☐
MULTIPLE-JET NOZZLES				
Angle vario nozzle 0°-90°				
Angled Vario nozzle, 055	80	4.113-008.0	Variable angle nozzle for spray angle adjustment from 0° to 90°. For easy adjustment to all kinds of soiling and surfaces.	☐
STEAM NOZZLE / NOZZLE PROTECTOR / ROLLOVER NOZZLE				
Steam nozzle				
Steam jet nozzle 50°	81	4.116-000.0	Steam jet nozzle with 50°fan jet. For cleaning and thawing in steam stage. For thawing sand and gravel, de-icing formwork material or de-waxing vehicles.	☐
	82	4.116-001.0	50° flat jet for cleaning and thawing operations in steam mode, e.g. thawing sand and gravel, de-icing formwork, dewaxing vehicles.	☐
Steam jet nozzle 40°, 070	83	2.114-006.0	Brass steam nozzle for operation of the HDS in steam stage.	☐
Steam jet nozzle 40°, 110	84	2.114-012.0		☐

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STEAM NOZZLE / NOZZLE PROTECTOR / ROLLOVER NOZZLE				
Rollover nozzle holder				
Ball Nozzle Holder	85	4.764-012.0	Rollover nozzle holder for contactless changeover from pencil jet to fan jet as well as low-pressure detergent injection via knurled nut. Without nozzle insert. (Additional type-specific power nozzle).	☐
NOZZLE UNION / SPACER				
Nozzle union				
Nozzle screws	86	4.112-011.0	Nozzle screws with protectors for high-pressure and power nozzles	☐
PIPE CLEANING				
Pipe cleaning hose, ID 6				
Hose assembly TR pipe cleaning DN6 max.2	87	6.110-046.0	The 10 m pipe cleaning hose is a highly flexible high pressure hose for pipe interior cleaning (threaded connection for nozzle R 1/8).	☐
Pipe cleaning hose, DN 6, 20 m, 220 bar	88	6.110-008.0	The 20 m pipe cleaning hose is a highly flexible high pressure hose for pipe interior cleaning (threaded connection for nozzle R 1/8).	☐
Hose assembly TR pipe cleaning DN6 max.2	89	6.110-047.0	The 30 m pipe cleaning hose is a highly flexible high pressure hose for pipe interior cleaning (threaded connection for nozzle R 1/8).	☐
Pipe cleaning nozzle				
Dirt blaster pipe cleaning D21/060	90	4.765-002.0	The forward-tilted rotating pencil jet removes the most stubborn dirt. The three backwards-tilted jets ensure the necessary forward movement, as well as convenient handling.	☐
Dirt blaster pipe cleaning D21/090	91	4.765-003.0		☐
Dirt blaster pipe cleaning D30/060	92	4.765-005.0		☐
Dirt blaster pipe cleaning D30/090	93	4.765-010.0		☐
Nozzle pipe cleaning size 80	94	5.763-087.0	Pipe cleaning nozzle with 24 mm diameter. With 4 nozzles tilted back at a 30° angle.	☐
Nozzle pipe cleaning size 100	95	5.763-088.0		☐
Pipe cleaning nozzle	96	5.763-015.0	16 mm pipe cleaning nozzle with internal thread. Various jet directions for environmentally-friendly cleaning of blocked drains and pipes.	☐
	97	5.763-019.0		☐
	98	5.763-016.0		☐

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		Order no.	Description	
PIPE CLEANING				
Pipe cleaning nozzle				
Pipe cleaning nozzle	99	5.763-020.0	16 mm pipe cleaning nozzle with internal thread. Various jet directions for environmentally-friendly cleaning of blocked drains and pipes.	☐
	100	5.763-017.0	Pipe cleaning nozzle with inner thread. Different spray directions. The hose moves freely through the pipe. (R 1/8" connection, 3 × 30° backwards, diameter 30 mm.)	☐
	101	5.763-021.0	30 mm pipe cleaning nozzle with internal thread. Various jet directions for environmentally-friendly cleaning of blocked drains and pipes.	☐
FLOOR AND HARD SURFACE CLEANER				
Hard Surface Cleaner FRV 30				
Add-on kit hose attachment	102	2.642-528.0	Suction cup for fixing the suction hose to smooth surfaces.	☐
Add-on kit dirt trap	103	2.642-532.0	Galvanised steel bucket for collecting coarse dirt and for fixing the suction hose in outside areas.	☐
Hard surface cleaner FR 30 ME				
FR 30 ME surface cleaner	104	2.111-013.0	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				
FR 50 surface cleaner	105	2.111-023.0	Hot water resistant stainless steel surface cleaner with 500 mm working width. Ideal for large areas. With double ceramic bearings, push handle, non-marking swivel castors and detergent dosing system.	☐
Machine-specific nozzle kit for FR				
Nozzle kit for FR, 850 l/h – 1100 l/h	106	2.640-442.0	Nozzle kit includes power nozzles and unions. For Kärcher surface cleaners (850 to 1100 l/h).	☐
Nozzle kit for FR, 1100 l/h – 1300 l/h	107	2.639-188.0	Nozzle kit includes power nozzles and unions. For Kärcher surface cleaners (1100 to 1300 l/h).	☐
Machine-specific nozzle kits for FRV				
Nozzle kit for FRV, 050	108	2.642-433.0	Machine-specific nozzle kit with Kärcher power nozzles and jet nozzle for FRV 30.	☐
Nozzle kit for FRV, 080	109	2.642-982.0		☐
Hard surface cleaner FRV 30 Me				
FRV 30 Me Surface Cleaner	110	2.111-012.0	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.	☐
Extension hose FRV 30 Me and FRV 50 Me	111	4.441-040.0	5 m extension hose for FRV 30 Me. Includes connecting adapter.	☐
Surface Cleaner FR 50 Me				
FRV 50 Me surface cleaner	112	2.111-024.0	Surface cleaning with automatic suction of the dirty water for very large surfaces. Hot water cleaning up to 85°C.	☐

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FOAM SYSTEMS				
Cup foam lance				
Cup foam lance Advanced 3, 900 l/h – 2500 l/h	113	4.112-065.0	Specially designed for use with aggressive cleaning agents: High-quality cup foam lance Advanced 3 with spray angle adjustment and Ecobrass for high-pressure cleaners from Kärcher.	☐
Cup foam lance DUO Advanced 3, 900 l/h – 2500 l/h	114	4.112-069.0	DUO Advanced 3 cup foam lance, designed for use with aggressive detergents. With instant switching to high-pressure cleaning, spraying angle adjustment and two-litre tank.	☐
Cup foam lance Basic 3, 900 l/h – 2500 l/h	115	4.112-055.0	For high-pressure cleaners with a flow rate of 900–2500 l/h: new, robust and very high-quality foam cup lance with outstanding foam quality while consuming half as much cleaning agent.	☐
1-litre cleaning agent container for cup foam lance basic	116	5.071-414.0	For the quick change of the cleaning agent: Additional 1 litre cleaning agent container for basic foam lance (2.112-053.0, 2.112-054.0 and 2.112-055.0).	☐
1-litre cleaning agent container for cup foam lance advanced	117	6.414-050.0	Additional 1-litre cleaning agent container for quick replacement of the cleaning agent (for foam lance 2.112-017.0 and 2.112-018.0).	☐
Inno Foam Set				
Inno foam kit with detergent injector	118	2.112-000.0	High-pressure foam system with double lance (foam nozzle and high-pressure jet for rinsing). For use with mobile and stationary high-pressure and HDS pressure cleaners for cleaning or disinfection.	☐
Inno foam kit	119	2.112-008.0		☐
Easy Foam Set				
Easy Foam Set with RM injector	120	2.112-010.0	HP foam system for use with. HD/HDS units for cleaning and disinfecting. Foam nozzle for connection to lance and HP chemical injector with precision 0-5% metering valve. The machine specific nozzle kit has to be ordered separately.	☐
Easy foam set	121	2.112-011.0		☐
Nozzle kits for Inno/Easy Foam Set				
Nozzle kit 090 Inno/Easy kit 700 – 1000 l/h	122	2.111-019.0	Nozzle kit contains Kärcher power nozzles and nozzle inserts. For Inno/Easy-Foam set 700-1000 l/h. For optimal foam system performance.	☐
Nozzle kit 110 Inno/Easy set 1000 – 1300 l/h	123	2.111-020.0	Nozzle kit 110 contains Kärcher power nozzles and nozzle inserts. For Inn/Easy-Foam set 1000-1300 l/h. For optimal foam system performance.	☐
Foam nozzle mounting kit				
Foam nozzle kit	124	2.112-013.0	Foaming agent kit. The foam nozzle is ideal for use in sanitary areas and the food industry and wherever long application times are necessary.	☐
MIXERS AND INJECTORS				
HP detergent injector				
Detergent injector for high and low pressure (without nozzles)	125	4.637-032.0	Detergent injector for independent high and low pressure dosage. Maximum dosage about 15%.	☐
Detergent injector for high pressure	126	4.637-033.0	Cleaning agent dosage at high pressure 3 – 5 %	☐

☐ Available accessories.

EQUIPMENT FOR HDS 10/21-4 MXA

1.071-938.0



		Order no.	Description	
MIXERS AND INJECTORS				
Machine-specific nozzle kit with order no. 3.637-170				
Nozzle insert trapezoidal thread HDS-GER	127	4.769-011.0	For HD/HDS 750 - 1000 l/h. Consists of nozzle insert + HP power nozzle + union	☐
Nozzle insert trapezoidal thread	128	4.769-013.0	For HD/HDS 1000 - 1200 l/h. Consists of nozzle insert + HP power nozzle + union	☐
Nozzle insert with order no. 3.637-001				
Nozzle insert for Order No. 3.637-001, high-pressure for machines up to 1100 l/h.	129	4.769-003.0	Nozzle insert for detergent injector 3.637-001 for high-pressure detergent application. For high-pressure cleaners with a water flow rate up to 1100 l/h.	☐
High pressure for units rated 1100 l/h or more	130	4.769-002.0	For high pressure with machines above 1.100 l/h	☐
Low pressure for units rated up to 1100 l/h	131	4.769-001.0	For low pressure with machines up to 1.100 l/h	☐
Low pressure for units rated 1100 l/h or more	132	4.769-006.0	For low pressure with machines above 1.100 l/h	☐
COUPLING PARTS				
Rotary coupling				
Rotary coupling	133	4.111-021.0	Reliably prevents twisting of HP hoses. Connection Easy!Lock. Handle protection	☐
Connector				
Nozzle connector/screw connector	134	4.111-022.0	For attaching high-pressure nozzles and accessory parts to the HD trigger gun (with nozzle screws) - 1 x M 22 x 1.5/1 x M 18 x 1.5.	☐
Y distributor	135	4.111-024.0	Offers the option to connect two spray units to the machine. Installation on the high pressure outlet.	☐
Short spray unit	136	4.111-038.0	For attaching high-pressure nozzles and accessory parts to HP trigger gun (with nozzle screws). Not compatible with triple nozzles.	☐
Adapter EASY!Lock				
Adapter 1 M22AG-TR22AG	137	4.111-029.0	Adapter 1 to connect the old hose with the new hose	☐
Adapter 2 M22IG-TR22AG	138	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	139	4.111-031.0	Adapter 3 to connect the old gun with the new spray lance and new servo regulator	☐
Adapter M22 - Swivel	140	4.111-032.0	Adapter 4 to connect the new gun with the old swivel hose	☐

☐ Available accessories.

EQUIPMENT FOR HDS 10/21-4 MXA

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		Order no.	Description	
COUPLING PARTS				
Adapter EASY!Lock				
Adapter 5 TR22IG-M22AG	141	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	142	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	143	4.111-035.0	Adapter 7 to connect the old spray lance with the new nozzle	☐
Adapter 8 TR20IG-M18AG	144	4.111-036.0	Adapter 8 to connect the new spray lance with the old nozzle	☐
Coupler -2xTR22 - EASY!Lock	145	4.111-037.0	Adapter 9 to connect the new hose with the new hose	☐
ADAPTER for replacement TR22IG-M22AG Er	146	4.111-046.0	Rotatable adapter for connecting EASY!Force high-pressure gun and high-pressure hoses with M 22x1.5 connection	☐
HOSE REELS				
Automatic, self-winding hose reels				
Automatic plastic hose reel incl. high-pressure hose, 15 m	147	2.639-257.0	Spring-mounted and ready-to-use automatic hose reel for wall mounting. Simplifies handling of the high-pressure hose, shortens set-up times and increases occupational safety.	☐
Automatic hose reel, powder-coated steel / plastic, 20 m	148	6.392-074.0	Automatic hose reel for 20 m high-pressure hose. The console is made from powder-coated steel, the drum is made from plastic.	☐
Automatic stainless steel / synthetic material hose drum, 20 m	149	6.392-083.0	Automatic hose reel for 20 m high-pressure hose. The console consists of stainless steel, the drum is made from plastic.	☐
Automatic hose reel, coated, 20 m	150	6.392-106.0	Automatic hose reel of durable plastic. Painted steel bracket. Suitable for 20 m high-pressure hose.	☐
Hose reel, automatic, basalt grey-coated, 20 m	151	6.392-105.0	Automatic hose reels provide the highest level of safety and convenience for winding and unwinding HP hoses.	☐
Automatic hose reel, stainless steel, includes swivel holder, 20 m	152	6.392-076.0	Automatic stainless steel hose reel. With swivel holder. Suitable for 20 m high-pressure hose.	☐
Automatic stainless steel hose reel, 40 m	153	6.392-442.0	Automatic hose reels provide the highest level of safety and convenience for winding and unwinding HP hoses. Compatible high-pressure hose, e.g. order no. 6.110-076.0 (ID 8, 40 m, 400 bar, 1x hose reel connection attachment kit).	☐
Powder-coated swivel holder	154	2.639-931.0	Swivel holder for automatic hose reel wall mounting. For maximum action radius and flexibility of high-pressure hose. Rotatable 120°. Galvanised steel.	☐

☐ Available accessories.

EQUIPMENT FOR HDS 10/21-4 MXA 1.071-938.0



		Order no.	Description	
HOSE REELS				
Automatic, self-winding hose reels				
Stainless steel swivel holder	155	2.641-867.0	Swivelling wall bracket made of high-grade steel (for 2.641-866). This makes maximum flexibility and convenience possible when working with the HP hose.	☐
Anbausatz Schlauchtrommel automatik				
Attachment kit automatic hose reel HDS M/S	156	2.110-011.0	Automatic hose reel as a complete attachment kit that's easy to mount. Suitable for HDS medium and super class. For maximum convenience when winding and unwinding the high-pressure hose.	☐
Attachment kit automatic hose reel holder HDS M/S	157	2.110-020.0	Holder includes connection material for installing an automatic hose reel to machines in the HDS Middle and Super classes.	☐
FACADE AND SOLAR PANEL CLEANING				
Brushes				
Drive for roller brush 500	158	4.762-584.0	Hydraulic drive for rotating roller brushes. For cleaning façades or solar power installations with our professional high-pressure cleaners. Installation on spray lance or telescopic lance.	☐
Splash guard for roller brush 500	159	4.762-621.0	Splash guard with velcro fastening for rotating roller brush. Clear view of the brush thanks to transparent film, with protection against splashes at the same time.	☐
Roller brush 500 soft	160	4.762-623.0	Soft brush attachment for use with hydraulic drive (4.762-584.0). Ideal for glass and solar power installation cleaning. Easy quick-change system and secure mounting on drive.	☐
Roller brush 500 medium	161	4.762-624.0	Medium-hard brush attachment for use with hydraulic drive (4.762-584.0). Suitable for sensitive façades, foils and fabrics. Easy and safe quick-change system.	☐
Roller brush 500 hard	162	4.762-625.0	Hard brush attachment for use with hydraulic drive (4.762-584.0). For rough façades, stone and wooden patios. Safe and easy quick-change system.	☐
Brush hard	163	6.960-133.0	Brush with hard bristles for cleaning industry facades and floor coverings and removing coarse dirt. Simple installation on telescopic lances or high-pressure lances from Kärcher.	☐
Brush medium	164	6.960-134.0	Optimally cleans facades, roller shutters and textile fabrics: the brush with medium-hard bristles for fast and simple attachment to telescopic lances or high-pressure lances from Kärcher.	☐
Brush soft	165	6.960-135.0	For simple installation on telescopic lances or high-pressure lances from Kärcher: brush with soft bristles for deep cleaning of sensitive surfaces such as glass or solar systems.	☐
iSolar 800 Advanced	166	6.368-094.0	iSolar 800 water-driven brush head, 800 mm wide, for water flow rates of 700-1,000 l/h. With two contra-rotating disc brushes and flexible angle joint. For photovoltaic systems.	☐
	167	6.368-095.0	For water flow rates of 1,100-1,300 l/h: The 800-mm iSolar water-driven brush head with two contra-rotating disc brushes and flexible angle joint ensures that photovoltaic systems are given an even clean.	☐
iSolar 400 Advanced	168	6.368-092.0	iSolar 400 brush for water flow rate of 700-1,000 l/h. The water-driven disc brush with a width of 400 mm cleans small to medium-sized photovoltaic systems. Also perfect for use on elevated systems.	☐

☐ Available accessories.

EQUIPMENT FOR HDS 10/21-4 MXA

1.071-938.0



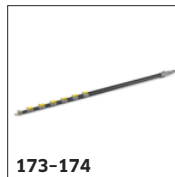
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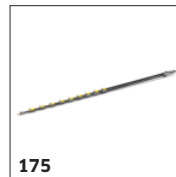
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		Order no.	Description	
FACADE AND SOLAR PANEL CLEANING				
Brushes				
iSolar 400 Advanced	169	6.368-093.0	The iSolar 400 water-driven disc brush (working width 400 mm) is designed for water flow rates of 1,100-1,300 l/h. For small to medium-sized photovoltaic systems (including elevated systems).	☐
Telescopic				
TL low pressure adapter	170	4.580-097.0	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	171	4.762-609.0	Telescopic lance TL 7 F with up to 7 m reach made from robust and lightweight glass fibre. With practical quick-release fasteners for simple retraction and extension.	☐
Telescopic lance TL 7 H	172	4.762-610.0	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	173	4.762-611.0	Up to 10 m reach: hybrid telescopic lance TL 10 H. Comprising carbon-glass fibre mix and suitable for multifunctional use. Simple retraction and extension thanks to quick-release fasteners.	☐
Telescopic lance TL 10 C	174	4.762-612.0	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	175	4.762-613.0	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	176	4.775-154.0	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 individuals.	☐
Wasserenthärtung				
WS 50	177	6.368-463.0	The mobile WS 50 water softening unit prevents lime residue from forming on cleaned surfaces. This is achieved by an ion-exchange resin that removes the dissolved limescale from the water.	☐
WS 100	178	6.368-464.0	The mobile WS 100 water softening unit prevents lime residue from forming on cleaned surfaces. This is achieved by an ion-exchange resin that removes the dissolved limescale from the water.	☐
WS Regenerator	179	6.368-465.0	With the WS Regenerator regeneration system, the softening cartridges of the water softening units WS 50 and WS 100 can be backflushed and regenerated at the push of a button.	☐
Hoses				
Hose solar	180	6.392-978.0	High-quality, flexible HP hose (with rubber covering) for the iSolar TL 7. The outer layer has especially good sliding properties when extending and retracting the telescopic rod.	☐
	181	6.392-977.0	High-quality, flexible HP hose (with rubber covering) for the iSolar TL 10. The outer layer has especially good sliding properties when extending and retracting the telescopic rod.	☐
	182	6.392-976.0	High-quality, flexible HP hose (with rubber covering) for the iSolar TL 14. The outer layer has especially good sliding properties when extending and retracting the telescopic rod.	☐

☐ Available accessories.

EQUIPMENT FOR HDS 10/21-4 MXA

1.071-938.0



		Order no.	Description	
FACADE AND SOLAR PANEL CLEANING				
Attachment kits and adapters				
Case sheet steel	183	6.988-152.0	Certified personal security system for rooftop work. Contents: Travelling fall arrestor with shock absorber and 15 m kernmantle rope, harness, anchoring sling and sheet steel case.	☐
WET BLASTING ATTACHMENT				
Wet blasting attachment (without nozzle)				
Wet blasting attachment with flow control (without nozzles)	184	4.115-000.0	Paint, rust and scale removal made easy: Kärcher wet blasting attachment with flow control for adding blasting abrasive to the high-pressure jet.	☐
Wet blasting attachment without flow control (nozzles not included)	185	4.115-006.0	Addition of spray agent to the high pressure jet. For paint stripping, rust removal and descaling. Assembly on spray lance instead of high-pressure nozzle. Without water flow regulation	☐
Nozzle pack for wet blasting attachment				
Nozzle pack TR wet jet set 0055	186	2.112-024.0	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.	☐
Nozzle pack TR wet jet set 0070	187	2.112-027.0		☐
Boron carbide nozzle				
Boron carbide nozzle, for machines as of 1000 l/h	188	6.415-084.0	In addition to nozzle packs. Very wear-resistant nozzle with boron carbide chuck for continuous-duty operation.	☐
	189	6.415-083.0		☐
DRUM AND TANK CLEANING				
Barrel and tank cleaning				
Barrel cleaner BC 14/12	190	2.112-020.0	The BC 14/12 barrel cleaner is a spray unit for the interior cleaning of containers and barrels - especially oak barrels with a capacity of between 225 and 600 litres.	☐
Rotary cleaner head M63E	191	6.751-061.0	Compact interior cleaning head made of stainless steel for cleaning the interiors of drums and containers with openings of 65 mm or more. Offers an impressively low weight and constant rotation speed by means of an electric motor.	☐
Nozzle kit for HKF 50 spray head (3.631-009.0 / 3.631-039.0)				
Nozzle 045 for dual nozzle operation HKF 50	192	6.415-446.0	Nozzle for dual-nozzle operation	☐
Nozzle 090 for single nozzle operation HKF 50	193	6.415-447.0	High-pressure full jet nozzle 090 for interior cleaning heads with a spray angle of 0°, made of hardened stainless steel and with 1/8-inch thread.	☐
Double handle for exact control of the spray head	194	2.863-036.0	Double handle. Precise control of the spray head	☐
Screw plug for using a spray head with one nozzle	195	5.411-061.0	Screw plug for high-pressure interior cleaning heads with 1/8-inch thread.	☐
WATER CONNECTION				
Geka coupling				
With hose nozzle, R 3/4"	196	6.388-455.0	with hose liner	☐

☐ Available accessories.

EQUIPMENT FOR HDS 10/21-4 MXA

1.071-938.0



		Order no.	Description	
WATER CONNECTION				
Geka coupling				
With hose nozzle, R 1"	197	6.388-465.0	with hose barb	☐
Hose coupling	198	6.388-458.0	with female thread	☐
Suction filter				
Water filter	199	6.414-956.0	Suitable for ponds, storage tanks or similar, polyamide filter casing, stainless steel strainer, 800 µm mesh, R 3/4" and R 1" connection, without non-return valve	☐
Suction filter with check valve	200	4.730-012.0	Brass suction filter suitable for ponds, storage tanks, etc. With check valve.	☐
Fine-mesh water filter				
Add-on kit water filter universal	201	2.637-020.0	Water fine filter, mesh size 25 µm, max. temperature 50 °C. Protects the machine from small dirt particles in the water. Water volume up to 1200 l/h. 3/4" connection, with 1" adapter.	☐
Fine-mesh water filter with adapter	202	4.730-102.0	Fine-mesh water filter, 125 µm, max. temperature 50°C. Protects the high-pressure cleaner from dirt particles contained in the water. Water flow rate up to 1200 l/h. Connection 3/4", with adapter, 1".	☐
Fine-mesh water filter, 100 µm, R 1"	203	2.638-270.0	Fine-mesh water filter, 100 µm, max. temperature 60°C. Connects to high-pressure cleaner. Protects the high-pressure cleaner from dirt particles contained in the water. Water flow rate up to 1200 l/h. Connector 1".	☐
Water supply hose				
Water supply hose	204	4.440-207.0	NW 19 R1" / R 3/4", up to 85 °C, for pick-up	☐
	205	4.440-270.0	NW 19 R1" / R1", up to 85 °C	☐
WASHING BRUSHES				
Push-on washing brush				
Push-on wash brush, M 18 × 1.5	206	4.113-001.0	For universal use for surface cleaning. Mounted using clamp directly at the spray lance. TR thread connection	☐
Rotating washing brush				
Rotating wash brush for > 800 l/h machines, nylon bristles	207	4.113-002.0	Driven by water stream. Gently removes fine dust and traffic film from any surface. Temperature resistant up to 60°C, M 18 × 1.5 (replaceable brush insert).	☐
Rotating wash brush for > 800 l/h machines, natural bristles	208	4.113-005.0		☐
ADD-ON KITS				
Flame monitoring attachment kit				
Add-on kit flame guard HDS	209	2.644-475.0	Light sensor for monitoring the burner flame. How the light sensor works: the fuel supply is shut off if the flame goes out.	☐
Remote control set				
Add-on kit remote control HDS M/S/C	210	2.394-005.0	Remote control for HDS compact, medium and super class machines. Functions: on/off, hot/cold water, detergent on/off. For mounting to a wall. Simple installation on the control unit.	☐

☐ Available accessories.