



## HDS 1000 De

The pioneering EASY!Force high-pressure gun is part of the heated HDS 1000 De high-pressure cleaner's standard equipment. Sturdy frame designed for crane or forklift loading.



Stage V



3-4 h



SERVO CONTROL



EASY!Force



### 1 Optimum ease of use

- Automatic burner cut-out in case of water shortage and overheating.
- The ergonomically designed spray gun reduces holding and pulling force.

### 2 Maximum performance

- High-output burner with upright heating coil and detonation-free continuous ignition.
- For removing stubborn encrustations.



### 3 Economical, diesel-powered combustion engine

- Complies with the requirements of exhaust emissions standard EU STAGE V.
- Electro start for effortless starting.



### 4 User-friendly operation

- The speed is automatically reduced in standby mode. This protects the engine and saves energy.
- Crane loading possible thanks to the sturdy tubular steel frame.



## HDS 1000 De

- Diesel engine with electro start
- Energy-saving EASY!Force high-pressure gun for fatigue-free work
- Professional high-performance hot water machine

### Technical data

<b>Order no.</b>	1.811-943.0	
<b>EAN code</b>	4054278169316	
<b>Pressure</b>	<b>bar / MPa</b>	40 - 200 / 4 - 20
<b>Pressure</b>	<b>PSI</b>	2900
<b>Flow rate</b>	<b>l/h</b>	450 - 900
<b>Temperature (for supply 12 °C)</b>	<b>°C</b>	80 / 98
<b>Consumption of heating oil or gas at full load</b>	<b>kg/h</b>	5.6
<b>Motor type</b>	L 100 V / Diesel	
<b>Motor manufacturer</b>	Yanmar	
<b>Engine rating</b>	<b>kW / hp</b>	6.8 / 9.3
<b>Number of simultaneous users</b>	1	
<b>Portability</b>	cart	
<b>Fuels</b>	Light oil / Diesel	
<b>Weight</b>	<b>kg</b>	188.3
<b>Dimensions (L × W × H)</b>	<b>mm</b>	1100 × 750 × 785

### Equipment

<b>Spray gun</b>	EASY!Force Advanced	
<b>High-pressure hose</b>	<b>m</b>	15 / Premium quality / ID 8, 315 bar
<b>Spray lance</b>	<b>mm</b>	1050
<b>Cage protective frame</b>	■	
<b>Anti-twist system</b>	-	
<b>Electro start</b>	■	
<b>Power nozzle</b>	■	
<b>Servo control</b>	■	
<b>sturdy tubular steel frame for handling with crane</b>	■	

■ Included in the scope of supply.

# HDS 1000 DE

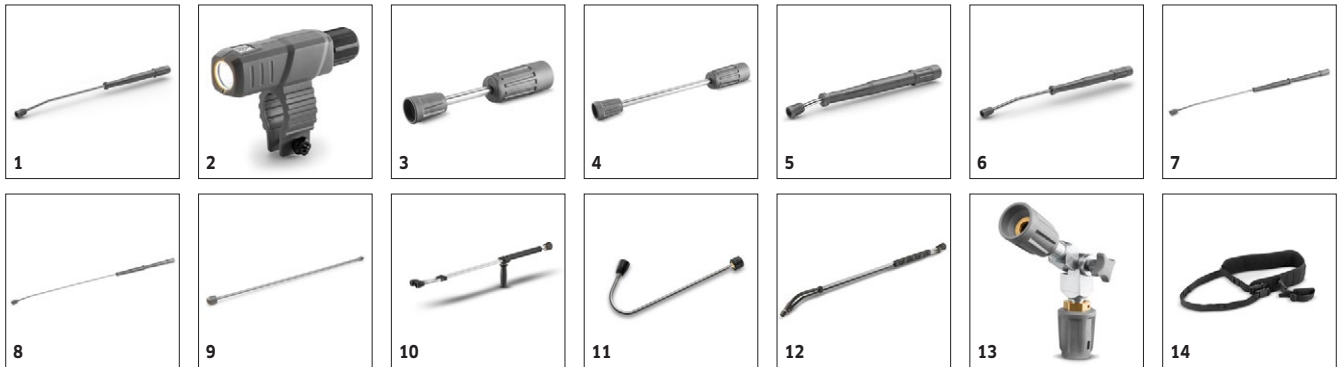
## 1.811-943.0

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		Order no.	Flow rate				Price	Description	
<b>Trigger guns</b>									
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.	■
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 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.	□
<b>Servo control</b>									
Servo Control controller with EASY!Lock	5	4.118-008.0	750 - 1100 l/h					Water quantity and pressure regulated directly from the hand spray gun.	■
<b>Quick connect</b>									
Quick coupling	6	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	7	2.115-001.0						Hardened stainless steel male coupling for quick coupling 2.115-000. With M 22 x 1.5 external thread.	□

■ Included in the scope of supply. □ Available accessories.



		Order no.	Max. working pressure	Length		Price	Description	
<b>Rotating spray lances</b>								
Spray lance	1	4.112-000.0	300 bar	1050 mm			1050 mm stainless steel lance (manual coupling) with ergonomic 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, 250 mm, rotatable, ergonomic	□
	4	4.112-024.0	300 bar	400 mm			Spray lance, 400 mm, rotatable, ergonomic	□
	5	4.112-007.0	300 bar	600 mm			600 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	□
	6	4.112-006.0	300 bar	840 mm			850 mm stainless steel lance (manual coupling) with ergonomic 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 ergonomic 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 ergonomic 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.	□
<b>Double lance</b>								
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).	□
<b>Angular spray lance</b>								
Spray lance for toilets and rain gutters	11	4.112-029.0					Stainless steel lance WC and gutter with nozzle insert. Specially shaped for effective and hygienic cleaning of gutters and toilets.	□
<b>Flexible spray lance</b>								
Flexible lance	12	4.112-035.0	210 bar	1050 mm			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	13	4.112-057.0	300 bar				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.	□
<b>Telescopic spray lance</b>								
Strap for telescopic spray pipe	14	6.373-987.0					Convenient strap for relief when working with the telescopic spray lance (6.394-690). The burden is optimally distributed on the body and longer periods of use are possible.	□
<b>Gutter cleaner</b>								
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.	□
<b>Undercarriage spray lance</b>								
Underbody lance	16	4.112-032.0		700 mm			Stainless steel lance for effective and easy underbody and wheel arch cleaning. Without high-pressure nozzle.	□

■ Included in the scope of supply. □ Available accessories.

# HDS 1000 DE

## 1.811-943.0



		Order no.	Max. working pressure	Length		Price	Description
<b>Additional handle</b>							
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.

■ Included in the scope of supply. □ Available accessories.

# HDS 1000 DE

## 1.811-943.0



		Order no.	Nozzle size				Price	Description	
<b>Power nozzle spray angle 25°</b>									
Power nozzle	1	2.113-023.0	50					Fan jet nozzle with 25° spray angle, suitable for large areas and removing stubborn dirt and stains.	■
<b>HP nozzle spray angle 0°</b>									
Power nozzle	2	2.113-034.0	50					High-pressure nozzle with powerful jet for extremely stubborn dirt.	□
<b>Power nozzle spray angle 15°</b>									
Power nozzle	3	2.113-047.0	55					Fan jet nozzle with 15° spray angle suitable for stubborn dirt.	□
<b>Power nozzle spray angle 40°</b>									
Power nozzle	4	2.113-054.0	50					Power nozzle with a 40° spray angle and fan jet, suitable for large areas and sensitive surfaces.	□

■ Included in the scope of supply. □ Available accessories.

# HDS 1000 DE

## 1.811-943.0

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1-4



5, 8, 10



6



7, 9



11



12



13



14-16

	Order no.	ID	Max. working pressure	Length	Price	Description	
<b>Standard with unions on both sides</b>							
High-pressure hose 2 x EASY!Lock DN 8, 315 bar, 15 m, ANTI!Twist	1	6.110-030.0	DN 8	315 bar	15 m	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 2 x EASY!Lock DN 8, 315 bar, 10 m, ANTI!Twist	2	6.110-031.0	DN 8	315 bar	10 m	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 2 x EASY!Lock DN 8, 315 bar, 20 m, ANTI!Twist	3	6.110-032.0	DN 8	315 bar	20 m	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, 2 x EASY!Lock, DN 8, 315 bar, 30 m, ANTI!Twist	4	6.110-014.0	DN 8	315 bar	30 m	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.	□
High-pressure hose, 2 x EASY!Lock, DN 10, 220 bar, 15 m	5	6.110-042.0	DN 10	220 bar	15 m	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, 2 x EASY!Lock, DN 10, 220 bar, 20 m	6	6.110-043.0	DN 10	220 bar	20 m	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, 2 x EASY!Lock, DN 10, 220 bar, 25 m	7	6.110-044.0	DN 10	220 bar	25 m	Impressive values and basic equipment: 25 m long high-pressure hose (DN 10) developed for pressures up to 220 bar.	□
High-pressure hose, 2 x EASY!Lock, DN 12, 210 bar, 15 m	8	6.110-059.0	DN 12	210 bar	15 m	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, 2 x EASY!Lock, DN 12, 210 bar, 40 m	9	6.110-060.0	DN 12	210 bar	40 m	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.	□
High-pressure hose, 2 x EASY!Lock, DN 10, 220 bar, 10 m	10	6.110-041.0	DN 10	220 bar	10 m	Impressive values and basic equipment: 25 m long high-pressure hose (DN 10) developed for pressures up to 220 bar.	□
<b>Longlife 400 with unions on both sides</b>							
Longlife 400 high-pressure hose, 2 x EASY!Lock, DN 8, 400 bar, 1.5 m	11	6.110-024.0	DN 8	400 bar	1.5 m	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.	□
Longlife 400 high-pressure hose, 1 x EASY!Lock, 1 x M22 x 1.5, DN 8, 400 bar, 1.5 m	12	6.110-069.0	DN 8	400 bar	1.5 m	30 m long high-pressure hose (DN 8) suitable for up to 400 bar pressure with double steel core. Connections: M 22 x 1.5, as well as the comfortable and quick EASY!Lock manual screw fitting.	□
Longlife 400 high-pressure hose, 2 x EASY!Lock, DN 8, 400 bar, 10 m, ANTI!Twist	13	6.110-038.0	DN 8	400 bar	10 m	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.	□
Longlife 400 high-pressure hose, 2 x EASY!Lock, DN 8, 400 bar, 30 m, ANTI!Twist	14	6.110-023.0	DN 8	400 bar	30 m	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.	□
Longlife 400 high-pressure hose, 2 x EASY!Lock, DN 8, 400 bar, 20 m, ANTI!Twist	15	6.110-027.0	DN 8	400 bar	20 m	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.	□
Longlife 400 high-pressure hose, 2 x EASY!Lock, DN 8, 400 bar, 15 m, ANTI!Twist	16	6.110-029.0	DN 8	400 bar	15 m	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.	□

■ Included in the scope of supply. □ Available accessories.

# HDS 1000 DE

## 1.811-943.0



17



18

		Order no.	ID	Max. working pressure	Length		Price	Description
<b>Longlife food design with screw connections at both ends</b>								
Longlife 400 high-pressure hose, food grade, 2 x EASY!Lock, DN 8, 10 m, ANTI!Twist	17	6.110-053.0	DN 8	400 bar	10 m			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. <input type="checkbox"/>
<b>Special hoses</b>								
High-pressure hose, 1 x curved EASY!Lock, 1 x M22 x 1.5, DN 8, 400 bar, 1.5 m	18	6.110-068.0	DN 8	400 bar	1.5 m			For connection to hose reels: high-pressure hose, with M 22 x 1.5 connection and curved EASY!Lock hand screw connection. 1.5 m long, suitable for up to 400 bar working pressure. <input type="checkbox"/>

■ Included in the scope of supply. □ Available accessories.



# HDS 1000 DE

## 1.811-943.0



		Order no.	Max. working pressure	Nozzle size			Price	Description	
<b>Dirt blaster, large</b>									
Dirt blaster	1	4.114-027.0	300 bar	50				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.	<input type="checkbox"/>

Included in the scope of supply.
  Available accessories.



		Order no.					Price	Description	
<b>Nozzle union</b>									
Nozzle screws	1	4.112-011.0						Nozzle screws with protectors for high-pressure and power nozzles	<input type="checkbox"/>
<b>Cleaning agent injector</b>									
Cleaning agent injector for high and low pressure (without nozzles)	2	4.637-032.0						Detergent injector for independent high and low pressure dosage. Maximum dosage about 15%.	<input type="checkbox"/>
Cleaning agent injector for high pressure (without nozzle)	3	4.637-033.0						Cleaning agent dosage at high pressure 3 - 5 %	<input type="checkbox"/>
<b>Machine-specific nozzle kit with order no. 4.637-033.0</b>									
Nozzle kit 750-1000 l/h	4	4.769-011.0						For HD/HDS 750 - 1000 l/h. Consists of nozzle insert + HP power nozzle + union	<input type="checkbox"/>
Nozzle kit 750-1000 l/h	5	4.769-047.0							<input type="checkbox"/>
<b>Nozzle insert with order no. 4.637-032.0</b>									
Nozzle insert up to 1,100 l/h - high pressure	6	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.	<input type="checkbox"/>
Nozzle insert up to 1,100 l/h - low pressure	7	4.769-001.0						For low pressure with machines up to 1.100 l/h	<input type="checkbox"/>
<b>Rotary coupling</b>									
Rotary coupling	8	4.111-021.0						Reliably prevents twisting of HP hoses. Connection M 22 x 1.5 m. Handle protection	<input type="checkbox"/>
<b>Coupling</b>									
Adapter hose extension 9 TR	9	4.111-037.0						Adapter 9 to connect the new hose with the new hose	<input type="checkbox"/>
<b>Connector</b>									
Screw socket for surface cleaners and Servo Control controllers	10	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.	<input type="checkbox"/>
Y distributor	11	4.111-024.0						Offers the option to connect two spray units to the machine. Installation on the high pressure outlet.	<input type="checkbox"/>
Short spray unit	12	4.111-038.0						For attaching high-pressure nozzles and accessory parts to HP trigger gun (with nozzle screws). Not compatible with triple nozzles.	<input type="checkbox"/>
<b>EASY!Lock adapter</b>									
Adapter 1 M22AG-TR22AG	13	4.111-029.0						Adapter 1 to connect the old hose with the new hose	<input type="checkbox"/>
Adapter 2 M22IG-TR22AG	14	4.111-030.0						Adapter 2 to connect the old device with the new hose and the old gun with the new hose	<input type="checkbox"/>
Adapter 3 M22IG-TR22AG	15	4.111-031.0						Adapter 3 to connect the old gun with the new spray lance and new servo regulator	<input type="checkbox"/>
Adapter 4 TR22IG-D11	16	4.111-032.0						Adapter 4 to connect the new gun with the old swivel hose	<input type="checkbox"/>
Adapter 5 TR22IG-M22AG	17	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	<input type="checkbox"/>
Adapter 6 TR22IG-M22AG	18	4.111-034.0						Adapter 6 to connect the new device with the old hose and the old hose with the new gun	<input type="checkbox"/>
Adapter 7 M18IG-TR20AG	19	4.111-035.0						Adapter 7 to connect the old spray lance with the new nozzle	<input type="checkbox"/>
Adapter 8 TR20IG-M18AG	20	4.111-036.0						Adapter 8 to connect the new spray lance with the old nozzle	<input type="checkbox"/>
Adapter 12 rotary coupling EASY!Lock 22 IG - M22 x 1.8 AG	21	4.111-046.0						Rotatable adapter for connecting EASY!Force high-pressure gun and high-pressure hoses with M 22x1.5 connection	<input type="checkbox"/>

■ Included in the scope of supply. □ Available accessories.



		Order no.	Max. working pressure	Nozzle size	Diameter	Price	Description	
<b>Pipe cleaning hose, ID 6</b>								
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 pressure hose for pipe interior cleaning (threaded connection for nozzle R 1/8).	<input type="checkbox"/>
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 pressure hose for pipe interior cleaning (threaded connection for nozzle R 1/8).	<input type="checkbox"/>
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 pressure hose for pipe interior cleaning (threaded connection for nozzle R 1/8).	<input type="checkbox"/>
<b>Pipe cleaning nozzle</b>								
Pipe cleaning dirt blaster D21/060	4	4.765-002.0		60	21 mm		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.	<input type="checkbox"/>
Pipe cleaning dirt blaster D30/060	5	4.765-005.0		60	30 mm			<input type="checkbox"/>
Pipe cleaning nozzle	6	5.763-015.0		55	16 mm		16 mm pipe cleaning nozzle with internal thread. Various jet directions for environmentally-friendly cleaning of blocked drains and pipes.	<input type="checkbox"/>
	7	5.763-016.0		60	16 mm			<input type="checkbox"/>
	8	5.763-017.0		50	30 mm			<input type="checkbox"/>
Rotating pipe cleaning nozzle	9	6.415-428.0		50	16 mm		Pipe cleaning nozzle with four rotating jets and inner thread. Different spray directions. The hose moves freely through the pipe. With R 1/8" connection.	<input type="checkbox"/>
<b>Drum and tank cleaning</b>								
Add-on kit mud sucker	10	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.	<input type="checkbox"/>

■ Included in the scope of supply. □ Available accessories.



		Order no.	Flow rate	Nozzle size	Diame-ter	Price	Description	
<b>Hard Surface Cleaner FRV 30</b>								
Hose fastening attachment kit	1	2.642-528.0					Suction cup for fixing the suction hose to smooth surfaces.	<input type="checkbox"/>
Dirt trap attachment kit	2	2.642-532.0					Galvanised steel bucket for collecting coarse dirt and for fixing the suction hose in outside areas.	<input type="checkbox"/>
<b>FRV 30 Me surface cleaner</b>								
Hard Surface Cleaner FR 30 Me	3	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.	<input type="checkbox"/>
<b>Hard Surface Cleaner FR 50</b>								
Surface Cleaner FR 50 Me	4	2.111-023.0			500 mm		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.	<input type="checkbox"/>
<b>Machine-specific nozzle kits for FR</b>								
Nozzle kit for surface cleaners	5	2.640-442.0	850 - 1100 l/h				Nozzle kit includes power nozzles and unions. For Kärcher surface cleaners (850 to 1100 l/h).	<input type="checkbox"/>
<b>Machine-specific nozzle kits for FRV</b>								
Nozzle kit 050 - for FRV	6	2.642-433.0		50			Machine-specific nozzle kit with Kärcher power nozzles and jet nozzle for FRV 30.	<input type="checkbox"/>
<b>FRV 30 Me surface cleaner</b>								
Extension hose FRV 30 Me and FRV 50 Me	7	4.441-040.0					5 m extension hose for FRV 30 Me. Includes connecting adapter.	<input type="checkbox"/>
FRV 30 Me Surface Cleaner	8	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.	<input type="checkbox"/>

■ Included in the scope of supply. □ Available accessories.



# HDS 1000 DE

## 1.811-943.0



		Order no.	Length				Price	Description	
<b>Manual hose reel attachment kit</b>									
Hose reel attachment kit for HDS gasoline machines	1	2.110-005.0	20 m					Hose reel attachment kit for installation on the machine. For safe and tidy storage of high-pressure hoses (with connection hose to machine HP outlet). Rotatable under pressure with connection 22 x 1.5.	<input type="checkbox"/>
<b>Automatic, self-winding hose reels for wall mounting</b>									
Automatic plastic hose reel incl. high-pressure hose	2	2.639-257.0	15 m					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.	<input type="checkbox"/>
Automatic hose reel, powder-coated steel / plastic	3	6.392-074.0	20 m					Automatic hose reel for 20 m high-pressure hose. The console is made from powder-coated steel, the drum is made from plastic.	<input type="checkbox"/>
Automatic stainless steel / synthetic material hose drum	4	6.392-083.0	20 m					Automatic hose reel for 20 m high-pressure hose. The console consists of stainless steel, the drum is made from plastic.	<input type="checkbox"/>
Automatic hose reel, coated	5	6.392-106.0	20 m					Automatic hose reel of durable plastic. Painted steel bracket. Suitable for 20 m high-pressure hose.	<input type="checkbox"/>
Hose reel, automatic, basalt grey-coated	6	6.392-105.0	20 m					Automatic hose reels provide the highest level of safety and convenience for winding and unwinding HP hoses. For example: order no. 6.110-011.0 (ID 8, 20 m, 315 bar) or order no. 6.110-028.0 (ID 8, 20 m, 400 bar Longlife).	<input type="checkbox"/>
Automatic hose reel, stainless steel, includes swivel holder	7	6.392-076.0	20 m					Automatic stainless steel hose reel. With swivel holder. Suitable for 20 m high-pressure hose.	<input type="checkbox"/>
Automatic stainless steel hose reel	8	6.392-122.0	20 m					High-grade, automatic steel hose reel. Especially suitable for use in the food industry. The material and finish provide for a corrosion-resistant, watertight capsuled sprong drive. Connection for HP hoses with nipple.	<input type="checkbox"/>
	9	6.392-442.0	40 m					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).	<input type="checkbox"/>
Powder-coated swivel holder	10	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.	<input type="checkbox"/>
Stainless steel swivel holder	11	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.	<input type="checkbox"/>

■ Included in the scope of supply. □ Available accessories.



		Order no.	Flow rate	Inlet temperature	Length	Length	Price	Description	
<b>Teleskopstangen</b>									
iSolar TL 14 C (without hose)	1	4.110-002.0		max. 60 °C				Full carbon telescopic rod for maximum rigidity with minimal weight. With 14 m max. reach and practical quick-release couplings for easy extension and retraction.	<input type="checkbox"/>
iSolar TL 10 C (without hose)	2	4.110-007.0		max. 60 °C				The full carbon telescopic lance offers maximum rigidity with minimal weight. It has a reach of up to 10 m and is fitted with practical quick-release couplings - for convenient extension and retraction. The speed is regulated via ball tap, guaranteeing easy handling. For occupational safety reasons, the lowest lance element is made from a carbon-fibre-glass mixture for electrical insulation.	<input type="checkbox"/>
iSolar TL 10 H (without hose)	3	4.110-003.0		max. 60 °C				Telescopic rod made from a carbon/fibreglass mixture for maximum rigidity with minimum weight. With 10 m max. reach and practical quick-release couplings for easy extension and retraction.	<input type="checkbox"/>
iSolar TL 7 H (without hose)	4	4.110-004.0		max. 60 °C				Telescopic rod made from a carbon/fibreglass mixture for maximum rigidity with minimum weight. With 7.2 m max. reach and practical quick-release couplings for easy extension and retraction.	<input type="checkbox"/>
TL low pressure adapter	5	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.	<input type="checkbox"/>
Telescopic lance TL 7 F	6	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-release fasteners for simple retraction and extension.	<input type="checkbox"/>
Telescopic lance TL 7 H	7	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.	<input type="checkbox"/>
Telescopic lance TL 10 H	8	4.762-611.0		max. 60 °C				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.	<input type="checkbox"/>
Telescopic lance TL 10 C	9	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.	<input type="checkbox"/>
Telescopic lance TL 14 C	10	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.	<input type="checkbox"/>
TL high pressure adapter	11	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 individuals.	<input type="checkbox"/>

■ Included in the scope of supply. □ Available accessories.

# HDS 1000 DE

## 1.811-943.0



		Order no.	Flow rate	Inlet temperature	Length	Length	Price	Description	
<b>Schläuche</b>									
iSolar HP hose 7	1	6.392-978.0		max. 155 °C				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.	<input type="checkbox"/>
iSolar HP hose 10	2	6.392-977.0		max. 155 °C				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.	<input type="checkbox"/>
iSolar HP hose 14	3	6.392-976.0		max. 155 °C				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.	<input type="checkbox"/>

■ Included in the scope of supply. □ Available accessories.



# HDS 1000 DE

## 1.811-943.0



		Order no.	Nozzle size				Price	Description	
<b>Wet blasting attachment (without nozzle)</b>									
Wet blasting attachment with flow control (without nozzles)	1	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.	<input type="checkbox"/>
Wet blasting attachment without flow control (nozzles not included)	2	4.115-006.0						Paint, rust and scale removal made easy: Kärcher wet blasting attachment with flow control for adding blasting abrasive to the high-pressure jet. Without flow control.	<input type="checkbox"/>
<b>Nozzle kits for wet jet unit</b>									
Nozzle kit for wet jet unit 050	3	2.112-023.0	50					Nozzle kit with wet blasting nozzle and nozzle insert (type specific). For optimal Kärcher wet blasting attachment performance. Only in combination with wet blasting attachment.	<input type="checkbox"/>
<b>Boron carbide nozzle</b>									
Boron carbide nozzle, for machines 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.	<input type="checkbox"/>

■ Included in the scope of supply. □ Available accessories.

# HDS 1000 DE 1.811-943.0



		Order no.					Price	Description	
<b>Wheel mounting kit</b>									
Wheel attachment kit for HDS 1000 Be/De	1	2.637-820.0						Practical kit with pneumatic tyres for HDS 1000 BE and HDS 1000 DE high-pressure cleaners. For improved manoeuvrability.	<input type="checkbox"/>

Included in the scope of supply.
  Available accessories.



		Order no.					Price	Description	
<b>Geka coupling</b>									
Geka connector with hose barb, R 1"	1	6.388-465.0						with hose barb	<input type="checkbox"/>
Geka connector with inner thread, R 3/4"	2	6.388-473.0						with female thread	<input type="checkbox"/>
<b>Suction filter</b>									
Water suction filter	3	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	<input type="checkbox"/>
Suction filter with check valve	4	4.730-012.0						Brass suction filter suitable for ponds, storage tanks, etc. With check valve.	<input type="checkbox"/>
<b>Water fine filter</b>									
Universal water fine filter, 25 µm	5	2.637-020.0						Fine-mesh water filter, 25 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".	<input type="checkbox"/>
Water fine filter, 100 µm, R 3/4"	6	2.637-691.0						Fine-mesh water filter, 100 µm, max. temperature 60°C. Protects the high-pressure cleaner from dirt particles contained in the water. Transparent filter cup. Water flow rate up to 1200 l/h. Connector 3/4".	<input type="checkbox"/>
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 contained in the water. Water flow rate up to 1200 l/h. Connection 3/4", with adapter, 1".	<input type="checkbox"/>
<b>Backflow check valve</b>									
Backflow preventer	8	2.641-374.0						To prevent detergent getting into the drinking water cycle in case of inlet at low-pressure. - hot water resistant up to 80 °C - tested according to IEC 60335-2-79 - integrated leakage protection	<input type="checkbox"/>

■ Included in the scope of supply. □ Available accessories.

# HDS 1000 DE

## 1.811-943.0



		Order no.	Flow rate				Price	Description	
<b>Push-on washing brush</b>									
Push-on wash brush	1	4.113-001.0						For general-purpose cleaning of all surfaces. Clamps directly onto the spray lance. Connection M 18 x 1.5	<input type="checkbox"/>
<b>Rotating washing brush</b>									
Rotating wash brush for > 800 l/h machines, nylon bristles	2	4.113-002.0	800 - 1300 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).	<input type="checkbox"/>
Rotating wash brush for > 800 l/h machines, natural bristles	3	4.113-005.0	800 - 1300 l/h						<input type="checkbox"/>

■ Included in the scope of supply. □ Available accessories.