



#### HDS 12/14-4 St Gas LPG

Ideal for stationary vehicle cleaning in washing halls: the gas-heated (LPG) HDS 12/14-4 ST Gas LPG hot water high-pressure unit works with 140 bar pressure and high water temperatures.

















- 1 Water-cooled four-pole electric motor
- Long service life.
- Improved effectiveness.
- 2 Burner engineering
- High heating output.
- Spiral heating coil for a compact construction style.

#### 3 Special fleece (gas-heated)

- Newly developed surface burner for a uniform gas flow.
- For efficient combustion.

#### 4 GASTEC approved (gas-heated)

- Complies with all European safety, quality and operating standards.
- Fresh air supply independent of room air enables installation in closed rooms.

#### **TECHNICAL DATA AND EQUIPMENT**





#### HDS 12/14-4 St Gas LPG

- Dry-running protection
- Surface burner technology
- Water-cooled stainless steel boiler with built-in stainless steel heater coil

Technical data		
Order no.		1.251-902.0
EAN code		4054278169392
Current type	Ph/V/Hz	3 / 400 / 50
Flow rate	l/h	600-1200
Pressure	bar / MPa	30-140 / 3-14
Max. temperature (supply 12°C)	°C	98
Connection load	kW	7.5
Gas consumption	kg/h	7.2
Weight	kg	170
Dimensions (L × W × H)	mm	1110 × 565 × 1080

Equipment			
Soft Damping System (SDS)	•		
System pressure relief			
Flame monitoring			
Prepared for Servo Control			
Ready for remote control			
Cleaning agent function	Suction		

■ Included in the scope of supply.

























		1						1	
		Order no.	ID	Max. working pressure	Length	Pr	rice	Description	
Standard with unions on both sides	;								
High-pressure hose, 2 x EASY!Lock, DN 10, 220 bar, 15 m	1	6.110-042.0	ID 10	220 bar	15 m			With innovative EASY!Lock hand screw connection for up to 220 bar pressure: 15 m long high-pressure hose (ID 10).	•
High-pressure hose, 2 x EASY!Lock, DN 10, 220 bar, 20 m	2	6.110-043.0	ID 10	220 bar	20 m			Main features of this high-pressure hose (ID 10): 20 m long with extremely time-saving and convenient EASY!Lock hand screw connection at both ends.	<b>A</b>
High-pressure hose, 2 x EASY!Lock, DN 10, 220 bar, 25 m	3	6.110-044.0	ID 10	220 bar	25 m			Impressive values and basic equipment: high-pressure hose, (ID 10), 25 m long, for up to 220 bar pressure.	•
High-pressure hose, 2 x EASY!Lock, DN 12, 210 bar, 15 m	4	6.110-059.0	ID 12	210 bar	15 m			Suitable for up to 250 bar working pressure: high-pressure hose (ID 12), 15 m long, with convenient EASY!Lock hand screw connection at both ends.	•
High-pressure hose, 2 x EASY!Lock, DN 12, 210 bar, 40 m	5	6.110-060.0	ID 12	210 bar	40 m			With EASY!Lock hand screw connection, 40 m long for wide working radius: high-pressure hose (ID 12) with EASY!Lock hand screw connection at both ends. Suitable for up to 250 bar working pressure.	<b>A</b>
High-pressure hose, 2 x EASY!Lock, DN 10, 220 bar, 10 m	6	6.110-041.0	ID 10	220 bar	10 m			Impressive values and basic equipment: high-pressure hose, (ID 10), 25 m long, for up to 220 bar pressure.	<b>A</b>
High-pressure hose 2 x EASY!Lock DN 8, 315 bar, 10 m, ANTI!Twist	7	6.110-031.0	ID 8	315 bar	10 m			High-pressure hose (ID 8) suitable for up to 315 bar pressure. High-pressure hose with innovative EASY!Lock hand screw connection at both ends, ANT!!Twist, 10 m long.	
Longlife 400 with unions on both si	ides								
Longlife 400 high-pressure hose, 2 x EASY!Lock, DN 8, 400 bar, 30 m, ANTI!Twist	8	6.110-023.0	ID 8	400 bar	30 m			Durable high-pressure hose with double steel reinforcement ANTI!Twist and EASY!Lock hand screw connection at both ends. ID 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	9	6.110-027.0	ID 8	400 bar	20 m			High-pressure hose with ANTI!Twist, EASY!Lock hand screw connections and double steel reinforcement. 20 m long, ID 8 EASY!Lock hand screw connection at both ends.	. 🔺
Longlife 400 high-pressure hose, 2 x EASY!Lock, DN 8, 400 bar, 15 m, ANTI!Twist	10	6.110-029.0	ID 8	400 bar	15 m			The double steel reinforcement ensures a long lifetime of this 15 m long high-pressure hose (ID 8), approved for up to 400 bar pressure hose.	<b>A</b>
Longlife 400 high-pressure hose, 2 x EASY!Lock, DN 8, 400 bar, 1.5 m	11	6.110-024.0	ID 8	400 bar	1.5 m			1.5 m short high-pressure hose (ID 8). With convenient EASY!Lock hand screw connection at both ends for robust and fast connections. Durable, 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	ID 8	400 bar	1.5 m			High-pressure hose (ID 8) with double steel reinforcement, 30 m long, suitable for up to 400 bar pressure. Connectors: M 22 × 1.5, quick and convenient EASY!Lock hand screw connection.	
High-pressure hose 1.5 m, ID 8, including connectors	13	6.390-178.0	ID 8	400 bar	1.5 m			1.5 m high-pressure hose (DN 8, M 22 x 1.5) with kink protection and connectors at both ends. For connecting to hose reels with appropriate connector (M 22 x 1.5).	
Longlife 400 high-pressure hose, 2 x EASY!Lock, DN 8, 400 bar, 10 m, ANT!!Twist	14	6.110-038.0	ID 8	400 bar	10 m			Durable, 10 m long high-pressure hose (ID 8) with double steel reinforcement and EASY!Lock hand screw connection at both ends and ANTI!Twist. Approved for 400 bar pressure.	
High-pressure hose Longlife 400, 10 m, ID 8, including rotary cou- pling	15	6.388-083.0	ID 8	400 bar	10 m			10 m high-pressure hose Longlife 400 (DN 8) with rotary coupling, two layer high-strength steel wire reinforced. Connectors at both ends. M 22 x 1.5, with kink protection.	
Food industry version with unions	on bot	h sides							
High-pressure hose, food grade, 2 x EASY!Lock, DN 8, 10 m, AN- TI!Twist	16	6.110-051.0	ID 8	250 bar	10 m			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.	<b>A</b>



















			1	1				_
		Order no.	ID	Max. working pressure	Length	Price	Description	
High-pressure hose, food grade, 2 x EASY!Lock, DN 8, 20 m, AN- TI!Twist	17	6.110-052.0	ID 8	250 bar	20 m		Suitable for use in food industry: 20 m long high-pressure hose (ID 8) with grey, non-marking outer covering, AN-TI!Twist and EASY!Lock hand screw connections.	•
Longlife food design with screw cor	nectio	ons at both ends						
Longlife 400 high-pressure hose, food grade, 2 x EASY!Lock, DN 8, 10 m, ANT!!Twist	18	6.110-053.0	ID 8	400 bar	10 m		With blue, non-marking and animal fat resistant outer covering: durable high-pressure hose (ID 8), 10 m long, AN-TI!Twist and EASY!Lock hand screw connection at both ends.	•
High pressure hose food ID 8, 10 m	19	6.391-864.0	ID 8	400 bar	10 m		Longlife HP hose for use in the food industry. Außendecke## animal-grease-resistant, non-colour-bleeding material. With rotary coupling, 2 x M 22 x 1,5	
Longlife 400 high-pressure hose, food grade, 2 x EASY!Lock, DN 8, 20 m, ANT!!Twist	20	6.110-054.0	ID 8	400 bar	20 m		Durable high-pressure hose with double steel reinforcement and blue, non-marking and animal fat resistant outer covering. 20 m long with EASY!Lock hand screw connections.	
Standard								
High-pressure hose AVS hose reel -connection, NW 8, 315 bar, 20 m, ANTI!Twist	21	6.110-011.0	ID 8	315 bar	20 m		High-pressure hose with AVS hose reel connection and EASY!Lock hand screw connection.	
Longlife 400								
High-pressure hose Longlife 400, AVS hose reel connection, ID 8, 400 bar, 20 m, ANTI!Twist	22	6.110-028.0	ID 8	400 bar	20 m		20 m high-pressure hose (ID 8), for up to 400 bar pressure. With AVS hose reel connection and double steel reinforcement. EASY!Lock hand screw connection at other end of the hose.	
Special hoses								
High-pressure hose, 1.5 m, ID 8, incl. connection parts, curved outflow	23	6.388-886.0	ID 8	400 bar	1.5 m		Connection hose in longlife quality with 2x M22 x 1.5, with angled connection on one side.	
High-pressure hose, 1 x curved EASY!Lock, 1 x M22 x 1.5, DN 8, 400 bar, 1.5 m	24	6.110-068.0	ID 8	400 bar	1.5 m		For connection to hose reels: high-pressure hose, with M 22 × 1.5 connection and curved EASY!Lock hand screw connection. 1.5 m long, suitable for up to 400 bar working pressure.	

 $<sup>\</sup>hfill \square$  Available accessories.  $\hfill \blacktriangle$  Extension hose.



























		Order no.	Flow rate			Price	Description	
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.	
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.	
Easy Press high-pressure trigger gu	n with	holding force r	eduction (Kärche	r patent)	'			
Easy Press HP trigger gun with soft grip	5	4.775-463.0					Easy press high-pressure trigger gun with softgrip. For high-pressure hoses DN 6 and DN 8 with 11 mm swivel diameter.	
Easy Press HP trigger gun with soft grip, M22 x 1.5	6	4.775-466.0					Easy press high-pressure trigger gun with integrated adapter for connecting to high-pressure hoses M 22 x 1.5.	
Servo control								Ļ
Servo Control controller with EASY!Lock	7	4.118-009.0	1100 l/h				Water quantity and pressure regulated directly from the hand spray gun.	
Servo control	8	4.775-471.0	1100 l/h					
Quick connect							_	Ļ
Quick coupling	9	6.401-458.0					For fast changes between different spray lances/accessorie: Perfect for Kärcher spray unit, suitable for trigger gun/spral lance interface. With M 22 x 1.5 internal thread.	
Male coupling	10	6.401-459.0					Hardened stainless steel male coupling for quick coupling 6.401-458. With M 22 x 1.5 external thread.	
Quick coupling	11	2.115-000.0					For fast changes between different spray lances/accessories Perfect for Kärcher spray unit, suitable for trigger gun/spra lance interface. With M 22 x 1.5 internal thread.	
Male coupling	12	2.115-001.0					Hardened stainless steel male coupling for quick coupling 2.115-000. With M 22 x 1.5 external thread.	

<sup>☐</sup> Available accessories. ▲ Extension hose.































8						12-13	14 15
		Order no.	Max. working pressure	Length		Price	Description
Rotating spray lances							
LED nozzle light	1	2.680-002.0		125 mm			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, 250 mm, rotating	2	4.112-027.0	300 bar	250 mm			600 mm stainless steel lance (manual coupling) with ergo-
Spray lance, 400 mm, rotatable	3	4.112-024.0	300 bar	400 mm			nomic handle for ease of use and protection. Rotatable 360
600 mm spray pipe, rotatable	4	4.112-007.0	300 bar	600 mm			under pressure.
Spray lance, 840 mm, rotating	5	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.
1050 mm spray pipe, rotatable	6	4.112-000.0	300 bar	1050 mm			1050 mm stainless steel lance (manual coupling) with ergo- nomic handle for ease of use and protection. Rotatable 360 under pressure.
1550 mm spray pipe, rotatable	7	4.112-018.0	300 bar	1550 mm			1550 mm stainless steel lance (manual coupling) with ergo- nomic handle for ease of use and protection. Rotatable 360 under pressure.
2050 mm spray pipe, rotatable	8	4.112-021.0	300 bar	2050 mm			2050 mm stainless steel lance (manual coupling) with ergo- nomic handle for ease of use and protection. Rotatable 360 under pressure.
EASY!Lock 1000 mm spray lance extender	9	4.112-048.0	300 bar	1000 mm			Spray lance extension with EASY!Lock connection. Length 1000 mm.
600 mm spray pipe, rotatable	10	4.760-664.0	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.
1050 mm spray pipe, rotatable	11	4.760-660.0	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.
Double lance							
Double lance 960 mm	12		310 bar 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					<u>'</u>	<u>'</u>	
Spray lance for toilets and rain gutters	14	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	15	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.
TR 20 articulated joint	16	4.112-057.0	300 bar				For hard-to-reach areas: High-pressure articulated joint wit infinite angle adjustment up to 120°. Simply attach directly to the spray lance of the pressure washer.
Telescopic spray lance					,		
Telescopic spray lance	17	4.112-037.0	225 bar	5400 mm			Can be continuously extended from 1.8 to 5.4 m. For cleaning areas that are difficult to reach, such as ceilings or facades. With integrated HD trigger gun, M 22 x 1.5 connection with rotary coupling. Connection for M 18 x 1.5 nozzle
Strap for telescopic spray pipe	18	6.373-987.0					Convenient strap for relief when working with the telescop ic spray lance (6.394-690). The burden is optimally distributed on the body and longer periods of use are possible.
Gutter cleaner			·				The state of the s
Gutter cleaning lance	19	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.
			•				







		Order no.	Max. working pressure	Length		Price	Description
Undercarriage spray lance							
Underbody lance	20	4.112-032.0		700 mm			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	21	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.

<sup>☐</sup> Available accessories. ▲ Extension hose.







		Order no.	Max. working pressure	Nozzle size		Price	Description	
<b>Dirt blaster, large</b> Dirt blaster, large 070/080	1	4.114-030.0	300 bar	70			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.	
Angled vario nozzle 0-90° Angled Vario nozzle 0-90°	2	4.113-006.0		80			Variable angle nozzle for spray angle adjustment from 0° to 90°. For easy adjustment to all kinds of soiling and surfaces.	

<sup>☐</sup> Available accessories. ▲ Extension hose.







		Order no.	Nozzle size		Price	Description
HP nozzle spray angle 0°						
High-pressure nozzle 0° - 080	1	2.113-038.0	80			High-pressure nozzle with powerful jet for extremely stubborn dirt. $\hfill\Box$
Power nozzle spray angle 15°						
Power nozzle 15° - 080	2	2.113-051.0	80			Fan jet nozzle with 15° spray angle suitable for stubborn dirt. $\Box$
Power nozzle spray angle 25°						
Power nozzle 25° - 080	3	2.883-406.0	80			Fan jet nozzle for large area coverage and tackling stubborn dirt and stains.
	4	2.113-015.0	80			Fan jet nozzle for large-area coverage and stubborn dirt and stains. $\hfill\Box$
Power nozzle spray angle 40°						
Power nozzle 40° - 080	5	2.113-057.0	80			Power nozzle with a 40° spray angle and fan jet, suitable for large areas and sensitive surfaces.

<sup>☐</sup> Available accessories. ▲ Extension hose.































						1
		Order no.		Price	Description	
Nozzle union						
Nozzle connector	1	5.401-210.0			For protecting and connecting Kärcher power nozzles to spray lances (M 18 x 1.5 IG).	
Nozzle screws	2	4.112-011.0			Nozzle screws with protectors for high-pressure and power nozzles	
Cleaning agent injector						
Cleaning agent injector for high and low pressure (without nozzles)	3	4.637-032.0			Detergent injector for independent high and low pressure dosage. Maximum dosage about 15%.	
Cleaning agent injector for high pressure (without nozzle)	4	4.637-033.0			Cleaning agent dosage at high pressure 3 - 5 %	
Machine-specific nozzle kit with ord	der no	. 4.637-033.0				
Nozzle kit 1000-1200 l/h	5	4.769-013.0			For HD/HDS 1000 - 1200 l/h. Consists of nozzle insert + HP power nozzle + union	,   
Nozzle insert with order no. 4.637-0	032.0				,	
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.	
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	
Rotary coupling						
Rotary coupling	8	4.111-021.0			Reliably prevents twisting of HP hoses. Connection M 22 x 1.5 m. Handle protection	
Coupling		,				
Adapter hose extension 9 TR	9	4.111-037.0			Adapter 9 to connect the new hose with the new hose	
Coupler -2 × M22 × 1,5	10	4.403-002.0			For overriding the dismantled heating coil for cleaningalter- native:4.111-029.0 adapter 1 - hose old / hose new	
Connector			,			
Screw socket for surface cleaners and Servo Control controllers	11	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.	
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.	
EASY!Lock adapter						
Adapter 1 M22AG-TR22AG	13	4.111-029.0			Adapter 1 to connect the old hose with the new hose	
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	
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	
Adapter 4 TR22IG-D11	16				Adapter 4 to connect the new gun with the old swivel hose	
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	ш
Adapter 6 TR22IG-M22AG	18				Adapter 6 to connect the new device with the old hose and the old hose with the new gun	
Adapter 7 M18IG-TR20AG	19				Adapter 7 to connect the old spray lance with the new nozzle	
Adapter 8 TR20IG-M18AG	20	4.111-036.0			Adapter 8 to connect the new spray lance with the old nozzle	































							_
		Order no.			Price	Description	
Take-off point equipment		'	<u>'</u>				
Hose and spray lance holder VA	22	2.042-003.0				Hose and spray lance wall holder for practical and safe	
						storage of high-pressure hoses or spray lances. Stainless	]
Remote control						steel wall holder.	_
Remote control	23	2.637-491.0				Easy to use remote control for stationary high-pressure	Т
Nemote control	25	2.037 431.0				cleaners. With rocker switch, ISO housing for wall mounting and fixing material.	. [
Remote control I-O, hot/cold,	24	2.744-008.0				Remote control with switches, housing and fixing material	
detergent 1-2						for wall mounting. Functions: On/Off, hot/cold water and	
Multiple on control I O hot cold	25	2.744-011.0				detergent stage 1/stage 2.	+
Multiple op. control, I-O, hot-cold, 1-2	25	2.744-011.0				w. I-O, hot-cold, 1-2	
Priority switch	26	2.638-200.0				Priority switch	[
Coin acceptor, 50 cents	27	2.639-912.0				Coin acceptor, 50 cents	[
Coin acceptor, 1 €	28	2.639-913.0				Coin acceptor, € 1	[
Coin acceptor, 2 €	29	2.639-914.0				Coin acceptor, € 2	[
Coin acceptor, tokens	30	6.768-063.0				Token	[
Multiple coin remote control with-	31	2.642-422.0				The multiple coin remote control (without coin acceptor) for	-
out coin acceptor						simple operation of stationary HD/HDS machines from	[
						Kärcher, e.g. in washing bays. For wall mounting, incl. fas-	
Locking SB-line, magnetic valve	32	4.743-012.0				tening material.  Solenoid valve for locking the SB pipe duct for stationary	+
Zoeking 55 inie, magnetie varve	32	1.7 15 012.0				HDS machines from Kärcher. Switches off the high-pressure	, ,
						line between machine and trigger gun when machine is at a	[
						standstill.	_
Control cable	1 22	L C ( 4 1 0 E 0 0		1 1	1	Connecting cobin 2 v 1 5 mm <sup>2</sup> Available by the motor	l r
Control cable 3 x 1.5 mm <sup>2</sup>	33					Connecting cable 3 x 1.5 mm <sup>2</sup> . Available by the meter.	]
Control cable 7 x 1.5 m  Control cable 10 x 1.5 m	34	6.641-064.0 6.641-082.0				Control cable 7 x 1.5  Control cable 10 x 1.5	]
Conduit Conduit	36	2.420-008.0				Conduit for control cable installation. Consisting of 3 m	Ť
Condoit	30	2.420-006.0				conduit, 5x conduit clips, 5x dowels, 5x screws.	
Control cable	37	6.647-222.0				Connection cable available as bulk stock (12 × 1.0 mm²) for	Ť
						use as control cable. For all stationary HD/HDS machines	
						from Kärcher.	$\perp$
High-pressure pipework	۱ ۵۵	1 2 620 400 0		1 1		Alternative stainless start 2 C20 404	Le
Connector, galvanised steel	38					Alternativ: stainless steel 2.638-181	[
Shut-off valve, galvanised steel	39	4.580-144.0				Shut-off valve, galvanised steel. Connects between high-pressure pipe system and high-pressure hose. Connec-	
						tors: 1x M22 x 1.5 and 1x M24 x 1.5. With wall mounting	
						plate and fixing material.	
Pipe kit, galvanised steel, 3 m	40	2.420-004.0				High-pressure pipe kit with 3 m galvanised steel pipe Ø 16	
						2.5 mm, DN 11 and fixing accessories: Compression fitting,	4  L
Tee, galvanised steel	41	6.386-269.0				pipe clamps, 4 hanger bolts and 4 plastic dowels.  Tee (90°), galvanised steel with compression fitting for 16	+
ree, garvarrised steer	41	0.380-203.0				mm pipes. Fixing material (Ermeto) included.	[
Elbow union, galvanised steel	42	6.386-356.0				Elbow union, galvanised steel. With 90° angle piece with	г
						compression fitting (Ermeto) at both ends for 16 mm pipes.	$\neg$
Pipe insulation, per running meter	43	6.286-147.0				For thermal insulation of pipes. Pipe cladding. Wall thickness	
						9 mm. PE foam with moisture barrier. Available per running meter.	3   L
Adapter piece, galvanised steel	44	2.638-182.0				Alternative: stainless steel 2.638-183	1
. ,			1	1 1	1		































		Order no.		Price	Description	
Outstanding found and	45			11100		+-
Quick-release coupling, fixed part	45				fixed part	
Union nut, galvanised steel	46	6.386-423.0			Union nut, galvanised steel. For 16 mm compression fitting	. [
Cutting ring	47	6.386-357.0			Galvanised steel cutting ring. For 16 mm compression fitting.	
High-pressure pipe kit	48	2.420-006.0			High-pressure pipe kit with 3 m stainless pipe Ø 16 x 2 mm ID 12 and mounting accessories: compression fitting, 4 pipe clamps, 4 hanger bolts and 4 plastic dowels.	
Connection piece, pipe/HP hose, stainless steel (Ermeto)	49	2.638-181.0			Stainless steel	
Connection piece, pipe/stop cock, stainless steel (Ermeto)	50	2.638-183.0				
Stop cock, stainless steel (Ermeto)	51	4.580-163.0				
Union nut, stainless steel (Ermeto)	52	6.386-428.0			(VA)	
T-screw connection, stainless steel (Ermeto)	53	6.386-465.0			Stainless steel	
Stainless steel elbow union 90°	54	6.386-466.0			Stainless steel elbow union 90° with compression fitting (Ermeto) at both ends for 16 mm pipes.	
Plant installation						
Wall bracket	55	2.053-005.0			Wall bracket	
Water hose, 1.5 m: DN 13, 3/4" nut, 1/2" thread	56	6.389-145.0			Only for use with screw connector 5.402-386.0	
For low-pressure remote control, cleaning agent 1	57	2.637-779.0			For detergent changeover per remote control for stationary HS high-pressure cleaners. Includes level sensor, solenoid valve and dosing valve. Remote control required for operation.	
Hose track system high-pressure cle	eaners	i			TOTAL	
C-rail, per running metre		6.233-017.0			C-rail profile as a guide track. 30x32 mm, 2 mm wall thickness 1.56 kg/m. Available per running metre.	
Rail connector	59	6.541-011.0			Rail connector	
End stop	60	6.541-025.0			End stop	
Cable trolley	61	6.541-026.0			Cable trolley for C-rail profile. 20 kg capacity. Weight 0.11 kg. Galvanised steel ball bearing.	
End bracket	62	6.541-028.0			End bracket	
Handle	63	6.541-029.0			C-rail profile clamp. Galvanised steel. Plastic clamping parts Weight 0.06 kg.	S. 🗆
Wall bracket	64	6.541-039.0			Wall holder for galvanised steel C-rail profile.	
Rail holder wall	65	6.541-012.0			Galvanised steel rail bracket for C-rail profile. Weight 0.235 kg.	, [
Spray lance runner, movable	66	4.042-610.0			moveable	
C-rail holder	67	6.541-027.0			Wall-mounted C-rail holding clamp for hose guide of Kärche high-pressure cleaners.	er $_{\square}$
Fuel supply			•			
Corrugated gas hose	68	6.388-228.0			Corrugated gas hose	
Gas shut-off cock	69	6.412-389.0			Gas shut-off cock	
Gas pressure gauge	70	6.421-059.0			Gas pressure gauge	
Stationary high-pressure cleaning s	ystem	ıs				
Water solenoid valve	71	4.743-011.0			Water solenoid valve	
Water hose, 1.5 m, DN 13, R 3/4" nut at both ends.	72	4.440-282.0			Water hose, 1.5 m, DN 13, R 3/4"	
Stationary high-pressure cleaners						
Easy Press trigger gun, grey	73	4.775-784.0			Easy Press trigger gun, grey.	
		on hose.	·			





		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 pressure hose for pipe interior cleaning (threaded connection for nozzle R 1/8).
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).
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).

<sup>☐</sup> Available accessories. ▲ Extension hose.

















								T
		Order no.	Flow rate	Nozzle size	Diame- ter	Price	Description	
FR 30 Me surface cleaner								t
Hard Surface Cleaner FR 30 Me	1	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	2	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.	
Machine-specific nozzle kits for FI			,					
Nozzle kit for surface cleaners	3	2.639-188.0	1100-1300 l/h				Nozzle kit includes power nozzles and unions. For Kärcher surface cleaners (1100 to 1300 l/h).	
Machine-specific nozzle kits for FI	١٧							
Nozzle kit 080 - for FRV	4	2.642-982.0		80			Machine-specific nozzle kit with Kärcher power nozzles and jet nozzle for FRV 30.	
FRV 30 Me surface cleaner								
Extension hose FRV 30 Me and FRV 50 Me	5	4.441-040.0					5 m extension hose for FRV 30 Me. Includes connecting adapter.	
FRV 30 Me Surface Cleaner	6	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.	
Surface Cleaner FR 50 Me								
FRV 50 Me surface cleaner	7	2.111-024.0					Surface cleaning with automatic suction of the dirty water for very large surfaces - this means the FRV 50 Me. Hot water cleaning up to 85°C. The FRV 50 Me features a temperature-resistant 10 m polyurethane suction hose. Additional quality features are the non-marking steering rollers and double ceramic bearing. Machine-specific nozzle kit must be ordered separately. Max. 250 bar / 2000 I/h / 85°C	

<sup>☐</sup> Available accessories. ▲ Extension hose.

















		Order no.	Flow rate		Price	Description
Cup foam lance						
Cup foam lance Advanced 025	1	2.112-017.0				Short, handy foam lance with adjustable spray angle with 1 litre detergent tank. Ideal for cleaning cars due to its compact design.
1-litre cleaning agent container for advanced foam lance	2	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 Kit						
Inno Foam Set with detergent injector	3	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.
Easy Foam Set				•	-	
Easy Foam Set with RM injector Easy Foam Set	5	2.112-010.0 2.112-011.0				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.
Nozzle kits for Inno/Easy Foam Set						
Nozzle kit 110 for Inno / Easy Set 1,000-1,300 l/h	6	2.111-020.0	1000-1300 l/h			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 attachment kit	7	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.

<sup>☐</sup> Available accessories. ▲ Extension hose.



















		Order no.	Length		Price	Description
Automatic, self-winding hose reels	for wa	all mounting				
Automatic hose reel, powder-coated steel / plastic	1	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.
Automatic stainless steel / syn- thetic material hose drum	2	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.
Automatic hose reel, coated	3	6.392-106.0	20 m			Automatic hose reel of durable plastic. Painted steel bracket. Suitable for 20 m high-pressure hose.
Hose reel, automatic, basalt grey-coated	4	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).
Automatic hose reel, stainless steel, includes swivel holder	5	6.392-076.0	20 m			Automatic stainless steel hose reel. With swivel holder. Suitable for 20 m high-pressure hose.
Automatic stainless steel hose reel	6	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 corrossion-resistant, watertight capsuled sprong drive.  Connection for HP hoses with nipple.
	7	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).
Powder-coated swivel holder	8	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.
Stainless steel swivel holder	9	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.

<sup>☐</sup> Available accessories. ▲ Extension hose.









		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: Kārcher wet blast- ing attachment with flow control for adding blasting abra- sive to the high-pressure jet.	
Wet blasting attachment without flow control (nozzles not included)	2	4.115-006.0				Paint, rust and scale removal made easy: Kārcher 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 080 wet jet unit	3	2.112-029.0	80			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, for machines from 1,000 l/h	4	6.415-083.0	8 mm			In addition to nozzle packs. Very wear-resistant nozzle with boron carbide chuck for continuous-duty operation.	

<sup>☐</sup> Available accessories. ▲ Extension hose.







		Order no.		Price	De- scrip- tion	
Geka coupling						
Geka connector with internal thread, R 1"	1	6.388-458.0			with female thread	
Backflow check valve						
Backflow preventer	2	2.641-374.0			To prevent detergent getting into the drinking water cycle in case of inlet at	

<sup>☐</sup> Available accessories. ▲ Extension hose.











		Order no.	Flow rate		Price	Description	
Push-on washing brush		order no.	1 low rate		11100	- Description	
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	4.113-002.0	800-1300 l/h			Driven by water stream. Gently removes fine dust and traffic film from any surface. Temperature resistant up to	
Rotating wash brush for > 800 l/h machines, natural bristles	4	4.113-005.0	800-1300 l/h			60°C, M 18 x 1.5 (replaceable brush insert).	

<sup>☐</sup> Available accessories. ▲ Extension hose.









		I	I		I	T	_
		Order no.			Price	Description	
Wash bay equipment				'			
360° swivelling boom for high-pressure hose	1	4.058-106.0				Swivelling boom for HP-working hose (360° turning circle). Mounted above the washing bay.	
Tokens							
Tokens 26 x 2.3 mm	2	6.768-169.0				Set of tokens, stamped	
Miscellaneous							
Swinging boom 180°, wall-mounted	3	2.637-120.0				Ideal for stationary HD/HDS machines from Kārcher, e.g. in washing bays: wall-mounted swivelling boom with 180° outreach for holding the high-pressure hose.	

<sup>☐</sup> Available accessories. ▲ Extension hose.