



HDR-K 39-12 / HDR – 39- 13- Cold water high-pressure cleaner

- ▶ Particularly suitable for occasional cleaning of smaller areas
- ▶ High cleaning power despite compact design
- ▶ Quick coupling system: The high-pressure hose can be connected to the high-pressure cleaner and the gun with a single click
- ▶ Reliable three-piston axial pump with swash plate and aluminum head, stainless steel pistons
- ▶ Increased service life of the pump head due to automatic safety valve
- ▶ Motor protection switch protects the motor against overload
- ▶ Ideal for removing superficial dirt from benches, patio furniture, gates and bicycles
- ▶ Mobile and easy to handle thanks to the two rubber wheels and practical handle
- ▶ Total Stop - pump control: Delay-free start and stop of the pump motor when opening and closing the gun
- ▶ Accessories always neatly stowed away and ready for use thanks to special storage compartments at the back
- ▶ Easy to check and maintain water filter to protect the pump from dirt particles in the water

Scope of delivery:

- › Hand-held spray gun
- › 5m high pressure hose
- › Jet pipe
- › Adjustable high-pressure nozzle
- › Rotating spot jet nozzle
- › Surface cleaner
- › Water connection set with filter
- › Foam spraying device with 0.5 litres tank

New

Technical data		HDR-K 39-12	HDR-K 39-13
Art.-No.		7101391	7101392
Operating position		standing	standing
Working pressure	bar	80	80
Pump pressure max.	bar	120	120
Flow rate max.	l/h	390	390
Inlet temperature max.	°C	50	50
Connection cable length	m	5	5
Sound pressure level	dB(A)	75	87.3
High pressure hose length	m	5	5
Piston head material		Stainless steel	Stainless steel
Cylinder head material		Aluminium	Aluminium
Input power ~50 Hz	kW/V	1.5 / 230	1.5 / 230
Dimensions (L x W x H) approx.	mm	280 x 240 x 650	287 x 262 x 654
Weight approx.	kg	5.9	6.3



HDR-K 39-12



HDR-K 39-13

HDR-K 46-16 – High pressure cleaner cold water

- ▶ Total stop pump control: Delay-free start and stop of the pump motor when opening and closing the gun
- ▶ Motor protection switch protects the motor from overload
- ▶ Practical holders for hand-held spray gun, jet pipe, high-pressure hose and mains cable
- ▶ Long service life thanks to robust three-piston axial pump with swash plate and aluminium head, stainless steel piston
- ▶ Equipped with rotating nozzle
- ▶ Compact size for easy transport and storage
- ▶ Practical hose reel with 6 metre long pressure hose

- › Top price-performance ratio
- › Ideally suited for occasional use



Technical data		HDR-K 46-16
Art.-No.		7101462
Operating position		standing
Working pressure	bar	107
Pump pressure max.	bar	160
Flow rate max.	l/h	460
Suction height	mm	500
Inlet temperature max.	°C	50
Connection cable length	m	5
Sound pressure level	dB(A)	78.5
High pressure hose length	m	6
Piston head material		Stainless steel
Cylinder head material		Aluminium
Input power ~50 Hz	kW/V	2.2 / 230
Dimensions (L x W x H) approx.	mm	357 x 262 x 706
Weight approx.	kg	9.3



Scope of delivery:

- › Hand-held spray gun
- › High-pressure hose 6 m
- › Jet pipe
- › Adjustable high-pressure nozzle
- › Rotating spot jet nozzle
- › Surface cleaner
- › Water connection set with filter
- › Foam spraying device with tank

HDR-K 50-18 – High pressure cleaner cold water

- ▶ Total stop pump control: Delay-free start and stop of the pump motor when opening and closing the gun
- ▶ Motor protection switch protects the motor against overload
- ▶ Practical holders for hand-held spray gun, jet pipe, high-pressure hose and mains cable
- ▶ Long service life thanks to robust three-piston axial pump
- ▶ Quick, convenient nozzle change thanks to CLICK-FAST quick connection system on the hand-held spray gun
- ▶ Operation with a water tank or similar possible - Self-priming up to a depth of 0.5 metres
- ▶ Equipped with rotating nozzle
- ▶ Compact size for easy transport and storage
- ▶ Practical hose reel with 6 metre long pressure hose

Technical data		HDR-K 50-18
Art.-No.		7101501
Operating position		standing
Working pressure	bar	120
Pump pressure max.	bar	180
Flow rate max.	l/h	500
Suction height	mm	500
Inlet temperature max.	°C	50
Connection cable length	m	5
Sound pressure level	dB(A)	78.8
High pressure hose length	m	6
Piston head material		Stainless steel
Cylinder head material		Aluminium
Input power ~50 Hz	kW/V	2.5 / 230
Dimensions (L x W x H) approx.	mm	443 x 306 x 792
Weight approx.	kg	10.6



- ▶ Two motor speeds for different outputs:

ECO mode: For more sensitive surfaces such as wooden garden furniture, bicycles and textiles for outdoor use. Effective washing with low energy and water consumption. Water and energy consumption reduced by 30 %.

MAX mode: For high cleaning power to remove stubborn dirt. Specially designed for processing stone, concrete or brick surfaces or for the effective cleaning of metal railings and gates, motor vehicles and DIY and garden tools.



Scope of delivery:

- ▶ Hand-held spray gun
- ▶ High-pressure hose 6 m
- ▶ Jet pipe
- ▶ Adjustable high-pressure nozzle
- ▶ Rotating spot jet nozzle
- ▶ Surface cleaner
- ▶ Water connection set with filter
- ▶ Foam spraying device with tank

HDR-K 85-16 TF – Cold water high-pressure cleaner. High flushing effect thanks to two pumps

▶ Patented Dual Tech system with two integrated pumps:

- Two cleaning modes selectable: Level 1 for cleaning work on vehicles and in the garden, level 2 for heavily encrusted dirt, e.g. on construction sites
- ▶ Mobile and portable model with chassis and telescopic handle
- ▶ High-pressure lance with quick-change system
- ▶ Unique double nozzle attachment increases the blasting area
- ▶ Multifunctional nozzle 5 in 1 included in the scope of delivery
- ▶ Water filter to protect the pump from dirt particles

- ▶ Thermal motor protection switch
- ▶ Practical holder for the high-pressure lance and accessory storage integrated in the appliance

Equipment:

- ▶ Material piston stainless steel
- ▶ Total Stop pump control
- ▶ High-pressure hose Pressure carrier Textile insert
- ▶ Water filter
- ▶ Integrated hose reel
- ▶ Pump outlet hose connection and hand-held spray gun CLICK-FAST quick coupling
- ▶ Wheels 200 mm

Technical data		HDR-K 85-16 TF
Art.-No.		7101851
Operating position		standing
Working pressure	bar	107
Pump pressure max.	bar	160
Flow rate max.	l/h	850
Working pressure pump outlet	bar	90 – 100
Inlet temperature	°C	50
Connection cable length	m	5
Suction height	mm	500
Piston head material		Stainless steel
Cylinder head material		Aluminium
Input power ~50 Hz	kW/V	2.7 / 230
Dimensions (L x W x H) approx.	mm	449 x 388 x 895
Weight approx.	kg	14.6

Info & Video



- ▶ High flushing effect due to two pumps, thus up to 850 l/h

SEE THE ADVANTAGES IN THE VIDEO!



Scope of delivery:

- ▶ Hand-held spray gun
- ▶ High-pressure hose 8 m
- ▶ 2 rotating nozzles
- ▶ Foam attachment
- ▶ Multi-function nozzle 5-in-1
- ▶ Double nozzle holder
- ▶ Extension tube

HDR-K 48-15 – Cold water high-pressure cleaner with high-quality high-pressure hose and threaded connections

- ▶ Total stop pump control: Delay-free start and stop of the pump motor when opening and closing the gun
- ▶ Motor protection switch protects the motor against overload
- ▶ Practical holders for hand-held spray gun, jet pipe, high-pressure hose and mains cable
- ▶ Integrated water filter protects the pump from dirt particles
- ▶ Abrasion-resistant high-pressure water hose
- ▶ Increased service life of the pump head due to automatic safety valve
- ▶ High-quality threaded connections
- ▶ Very robust three-piston axial pump with brass head and stainless steel piston
- ▶ Newcomers to the induction motor class
- ▶ Operation with a water tank or similar possible - The HDR-K is self-priming to a depth of 0.5 m
- ▶ High pressure hose with steel armouring

Technical data		HDR-K 48-15
Art.-No.		7101481
Operating position		standing
Working pressure	bar	125
Pump pressure max.	bar	150
Maximum delivery rate	l/h	480
Sound pressure level	dB(A)	82
Piston head material		Stainless steel
Cylinder head material		Brass
Jet pipe thread		M22
Connection cable length	m	5
Input power ~50 Hz	kW/V	2.5 / 230
Dimensions (L x W x H) approx.	mm	420 x 360 x 930
Weight approx.	kg	22.5



- ▶ Integrated detergent tank 1.4 litres
- ▶ Integrated hose reel with handle
- ▶ High-pressure hose length 8 m
- ▶ Self-priming pump

Accessory



Art.-No. 7115004



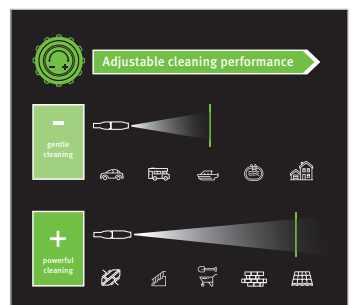
Scope of delivery:

- ▶ Hand-held spray gun
- ▶ High-pressure lance with dirt blaster
- ▶ Jet pipe with multifunction nozzle for spot blasting and area blasting
- ▶ Water connection set with filter
- ▶ Nozzle cleaning needle

HDR-K 60-18 – Cold water high-pressure cleaner. Adjustable working pressure for adaptation to the respective cleaning task

- ▶ Mobile model with two rubberised wheels and telescopic handle
- ▶ Total Stop - pump control: Start and stop the pump motor without delay via a pressure switch by opening and closing the gun
- ▶ Adjustable working pressure for adaptation to the respective cleaning task, display of the set pressure via a pressure gauge
- ▶ Including hose reel with 10m high-pressure hose
- ▶ Easy to check and maintain water filter to protect the pump from dirt particles in the water
- ▶ Increased service life of the pump head due to automatic safety valve
- ▶ Long service life thanks to robust three-piston axial pump with swash plate and brass head, stainless steel piston
- ▶ Motor protection switch protects the induction motor against overload
- ▶ Practical holders for hand-held spray gun, jet pipe, high-pressure hose and mains cable

Technical data		HDR-K 60-18
Art.-No.		7101601
Operating position		standing
Working pressure	bar	140
Pump pressure max.	bar	180
Flow rate max.	l/h	600
Inlet temperature	°C	50
Connection cable length	m	5
Sound power level	dB(A)	99
Piston head material		Stainless steel
Cylinder head material		Brass
Input power ~50 Hz	kW/V	2.8/230
Dimensions (L x W x H) approx.	mm	449 x 388 x 895
Weight approx.	kg	25



Adjustable working pressure for adaptation to the respective cleaning task, display of the set pressure via a pressure gauge.
Energy savings of up to 30 percent



Scope of delivery:

- ▶ Hand-held spray gun
- ▶ High-pressure hose 10 m
- ▶ Lance with adjustable high-pressure nozzle
- ▶ Lance with dirt blaster
- ▶ Water filter
- ▶ Foam spraying device
- ▶ Surface cleaner with extension lance

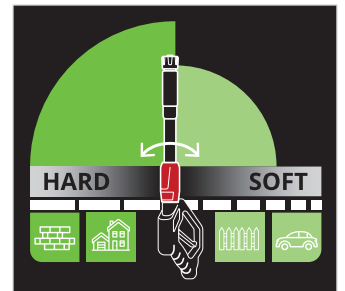
HDR-K 70-16 – High-pressure cleaner cold water with induction motor

- ▶ Total stop pump control: Delay-free start and stop of the pump motor when opening and closing the gun
- ▶ Motor protection switch protects the motor against overload
- ▶ Practical holders for hand-held spray gun, jet pipe, high-pressure hose and mains cable
- ▶ Reliable 3-piston axial pump
- ▶ Mobile model with two rubber wheels, handle and hose reel
- ▶ Quick, convenient nozzle change thanks to CLICK-FAST quick connection system on the hand-held spray gun
- ▶ Operation with a water tank or similar possible - Self-priming up to a depth of 0.5 m
- ▶ Large rubber wheels and practical telescopic handle
- ▶ Practical hose reel with 10 metre long pressure hose



› By turning towards **HARD mode**, the power of the high-pressure cleaner is gradually activated up to a maximum flow rate of 700 l/h and a pressure of 160 bar, allowing it to tackle even the most difficult and demanding tasks, such as removing stubborn stains and dirt from stone or concrete paving, plaster and masonry, construction machinery and vehicles. We recommend using the double rotary nozzle for this work, for a significant increase in performance and shorter cleaning times. With a rubber-coated brass body, this standard accessory can withstand accidental knocks and heavy use. The ceramic nozzle and seat are extremely hard-wearing.

› When the control is turned towards **SOFT**, the blasting force is reduced, creating a gentle cleaning level that is ideal for cleaning bicycles, motorbikes and cars and is also suitable for fences, garden furniture and awnings.



Technical data		HDR-K 70-16
Art.-No.		7101701
Operating position		standing
Working pressure	bar	107
Pump pressure max.	bar	160
Flow rate max.	l/h	700
Suction height	mm	500
Inlet temperature max.	°C	50
Connection cable length	m	5
Sound pressure level	dB(A)	86.6
High pressure hose length	m	10
Piston head material		Stainless steel
Cylinder head material		Brass
Input power ~50 Hz	kW/V	2.8 / 230
Dimensions (L x W x H) approx.	mm	465 x 399 x 895
Weight approx.	kg	25.9



HDR-K 51-16 – Cold water high-pressure cleaner, portable device for maximum flexibility

- ▶ Portable model with handle
- ▶ With induction motor
- ▶ Adjustable working pressure (10 to 150 bar) for adaptation to the respective cleaning task
- ▶ Display of the set pressure via a pressure gauge
- ▶ Integrated detergent suction
- ▶ Easy to check and maintain water filter to protect the pump from dirt particles in the water
- ▶ Thermal motor protection switch
- ▶ Automatic safety valve
- ▶ Operation with a water tank or similar possible - The HDR-K is self-priming to a depth of 0.5 m.



- ▶ Easy to transport due to compact size

**LONGER LANCES
UP TO 2M ON REQUEST**

Scope of delivery:

- ▶ Hand-held spray gun
- ▶ High-pressure hose 8 m
- ▶ High-pressure lance with dirt blaster
- ▶ Jet pipe with multifunction nozzle for spot blasting and surface blasting
- ▶ Water connection set with filter



Long pump service life thanks to crankshaft design

Technical data		HDR-K 51-16
Art.-No.		7102511
Operating position		lying
Working pressure	bar	150
Pump pressure max.	bar	160
Maximum delivery rate	l/h	510
Sound pressure level	dB(A)	80
High-pressure hose Pressure carrier		Steel reinforcement
Jet pipe thread		M22
Connection cable length	m	5
Piston head material		Ceramics
Cylinder head material		Brass
Slow runner	UpM	1400
Input power ~50 Hz	kW/V	2.9 / 230
Dimensions (L x W x H) approx.	mm	460 x 280 x 260
Weight approx.	kg	18.4

Accessory

Trolley
For convenient transport
Aluminium frame
Removable handle



Art.-No. 7110010

Accessory



Wall mount

incl. high-pressure hose 15m
Easy fixing and removal of the high-pressure cleaner at the touch of a button

Art.-No. 7110012

HDR-K 77-18 – Cold water high-pressure cleaner, powerful with up to 180 bar



- ▶ Integrated detergent tank with simple detergent dosing, activation of foam application via multifunction nozzle
- ▶ Adjustable working pressure for adaptation to the respective cleaning task, display of the set pressure via a pressure gauge
- ▶ Practical holders for hand-held spray gun, jet pipe, high-pressure hose and mains cable
- ▶ Total Stop - pump control: Delay-free start and stop of the pump motor when opening and closing the gun

- ▶ Long service life thanks to three-piston axial pump with connecting rod crank system and brass head, stainless steel pistons
- ▶ 4-pole, slow-running, durable electric motor for intensive use
- ▶ Motor protection switch protects the induction motor against overload
- ▶ Easy to check and maintain water filter to protect the pump from dirt particles in the water
- ▶ High-quality threaded connections

- ▶ Horizontal storage possible, operation of the appliance only in horizontal position
- ▶ Operation with a water tank or similar possible - The HDR-K is self-priming to a depth of 0.5 m

- ▶ With integrated hose reel
- ▶ Adjustable working pressure with pressure gauge
- ▶ Integrated detergent tank
- ▶ High cleaning capacity (770 l/h)



Long pump service life thanks to crankshaft design

Technical data		HDR-K 77-18
Art.-No.		7102771
Operating position		lying
Working pressure	bar	170
Pump pressure max.	bar	180
Maximum delivery rate	l/h	770
Sound pressure level	dB(A)	78
High-pressure hose Pressure carrier		Steel reinforcement
Jet pipe thread		M22
Connection cable length	m	5
Piston head material		Stainless steel
Cylinder head material		Brass
Input power ~50 Hz	kW/V	5 / 400
Dimensions (L x W x H) approx.	mm	390 x 380 x 900
Weight approx.	kg	47



Accessory

Fig. Surface cleaner

Art.-Nr. 7115005



**LONGER LANCES
UP TO 2M ON REQUEST**



Scope of delivery:

- ▶ Hand-held spray gun
- ▶ High-pressure lance with dirt blaster
- ▶ Jet pipe with multifunction nozzle
- ▶ Water connection set with filter

HDR-K 90-20 – Cold water high-pressure cleaner, very powerful with up to 200 bar



- ▶ Mobile model with robust transport trolley and handle
- ▶ Integrated detergent tank with simple detergent dosing
- ▶ Adjustable working pressure for adaptation to the respective cleaning task, display of the set pressure via a pressure gauge
- ▶ Fatigue and wear-reducing Total Stop Timed pump control
- ▶ Increased service life of the pump head thanks to automatic safety valve, oil level indicator and oil dipstick

- ▶ 4-pole, slow-running, durable electric motor for intensive use
- ▶ Protection against thermal overload by motor cooling fan and motor protection switch
- ▶ High-quality threaded connections
- ▶ Easy to check and maintain water filter to protect the pump from dirt particles in the water
- ▶ Integrated storage option for nozzle set

- ▶ Practical holders for hand-held spray gun, jet pipe, high-pressure hose and mains cable
- ▶ Operation with a water tank or similar possible - The HDR-K is self-priming to a depth of 0.5 m.



Long pump service life thanks to crankshaft design

Technical data		HDR-K 90-20
Art.-No.		7102902
Operating position		lying
Working pressure	bar	185
Pump pressure max.	bar	215
Flow rate max.	l/h	900
Inlet temperature max.	°C	60
Connection cable length	m	5
Sound pressure level	dB(A)	82.3
High pressure hose length	m	15
Piston head material		Ceramics
Cylinder head material		Brass
Input power ~50 Hz	kW/V	7.4 / 400
Dimensions (L x W x H) approx.	mm	670 x 540 x 900
Weight approx.	kg	61.6

Accessory

Fig. Surface cleaner



Art.-Nr. 7115005



Scope of delivery:

- › Hand-held spray gun
- › High-pressure hose 15 m
- › Jet pipe
- › 5-piece quick-change nozzle set (spot jet 0°, fan jet 15°/25°/40°, foam application)
- › Nozzle cleaning needle
- › Water connection set with filter

HDR-K 126-21 – Cold water high-pressure cleaner with high flushing effect of 1,260 l/h

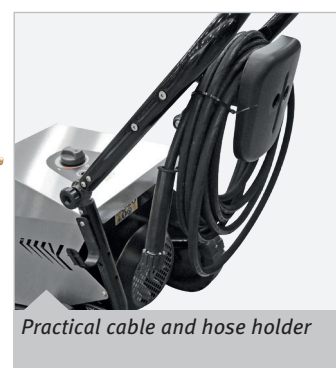


- ▶ Mobile, robust model with handle
- ▶ With induction motor
- ▶ High working pressure and high delivery rate
- ▶ Ideal for agriculture or the construction industry
- ▶ Total Stop - pump control: Start and stop the pump motor without delay via a pressure switch by opening and closing the gun
- ▶ High-quality threaded connections
- ▶ LED lights up when a leak is detected
- ▶ Integrated five-litre cleaning tank including filter
- ▶ Folding handle with aluminium hinges
- ▶ Large, rubberised wheels for easy handling even on uneven surfaces or stairs
- ▶ Robust metal frame and stainless steel covers
- ▶ Easy maintenance by simply removing the cover
- ▶ Operation with a water tank or similar possible - Self-priming up to a depth of 0.5 m
- ▶ Adjustable working pressure for adaptation to the respective cleaning task, display of the set pressure via a pressure gauge



Long pump service life due to crankshaft design

Technical data		HDR-K 126-21
Art.-No.		7102126
Operating position		lying
Working pressure	bar	200
Pump pressure max.	bar	210
Flow rate max.	l/h	1260
Inlet temperature max.	°C	60
Connection cable length	m	5
Sound pressure level	dB(A)	86
High pressure hose length	m	15
Piston head material		Ceramics
Cylinder head material		Brass
Input power ~50 Hz	kW/V	8.9 / 400
Dimensions (L x W x H) approx.	mm	850 x 540 x 550 – 950
Weight approx.	kg	65



Practical cable and hose holder



Scope of delivery:

- › Hand-held spray gun
- › Hose reel with 15 m high-pressure hose
- › High-pressure lance with dirt blaster
- › Curved HD lance
- › Nozzle 1/4"
- › Hose for cleaning agent tank
- › Cable and hose holder

HDR-H 48-15 – Hot water high-pressure cleaner. Entry-level models with a maximum pressure of 110 bar and a water temperature of up to 90 °C



- ▶ Can be used in either cold or hot water mode
- ▶ Electric three-piston axial pump with brass head
- ▶ Induction motor with motor protection switch
- ▶ Water filter to protect the pump from dirt particles
- ▶ Total stop pump control: Start and stop the pump motor without delay via a pressure switch by opening and closing the gun
- ▶ Auxiliary motor for ventilation of the boiler unit
- ▶ Delayed burner start
- ▶ Rubber hose reinforced with textile fabric
- ▶ Chassis / transport device: two rubber wheels Ø 210 mm and metal base
- ▶ Easy-Start function: Start-up relief through pressure reduction when starting the pump
- ▶ Heating the water to max. 90 °C through diesel combustion

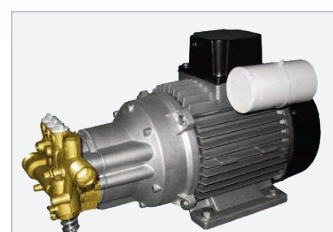


Diesel for water heating

Water system separator
 › Prevents contamination of the drinking water by preventing the water from flowing back into the domestic water pipe



Scope of delivery:
 › Manual spray gun with pressure control
 › High-pressure hose 10 m
 › Curved lance
 › Jet nozzle 25°
 › Foam attachment



Powerful triplex high-pressure pump with brass head and stainless steel piston



Double switch for cold and hot water

Accessory	Art.-No.
Manual spray gun 1/4" with pressure control	7161005
Curved lance	7162014
Lance with rotary nozzle	7162015
Hose extension 8 m	7164008
Jet nozzle 25°	7163010
Foam attachment	7163011
Surface cleaner kit	7163012
Surface cleaner kit	7322001
Rotating washing brush	7165003

Technical data		HDR-H 48-15
Art.-No.		7150481
Working pressure max.	bar	110
Flow rate max.	l/h	480
Temperature max.	°C	90
Fuel		Diesel
Fuel tank volume	l	4
Fuel consumption	l/h	2.3
Detergent tank volume	l	0.25
Sound pressure level Lp	dB(A)	80
Input power ~50 Hz	kW/V	2.3 / 230
Dimensions (L x W x H) approx.	mm	580 x 440 x 930
Weight approx.	kg	43

HDR-H – Hot water high-pressure cleaner. High-quality models with a maximum pressure of 180 bar and a water temperature of up to 110 °C



- Can be used in either cold or hot water mode
- Electric three-piston axial pump with brass head
- Induction motor with motor protection switch
- Water filter to protect the pump from dirt particles
- Total stop pump control: Start and stop the pump motor without delay via a pressure switch by opening and closing the gun
- Auxiliary motor for ventilation of the boiler unit
- Delayed burner start
- Rubber hose reinforced with textile fabric
- Chassis / transport device: two rubber wheels Ø 210 mm and metal base

- Heating the water to max. 90 °C through diesel combustion

HDR-H 55-15

- Practical storage compartments for manual spray gun, nozzle and accessories

HDR-H 60-14

- Rear and front bumpers protect the chassis
- Practical holders for jet pipe and power cable
- Heating the water to max. 110 °C through diesel combustion

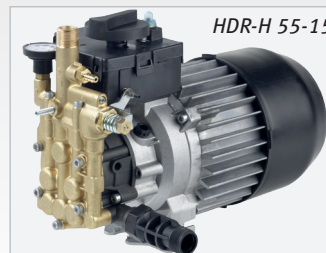
- Easy-Start function: Start-up relief through pressure reduction when starting the pump



Diesel for water heating



► Detergent supply and water temperature adjustable up to 110 °C



HDR-H 55-15



HDR-H 60-14

Powerful triplex high-pressure pump with brass head and ceramic-coated piston



Clear control unit with system monitoring and selector switch for cold/hot water operation and temperature control



HDR-H 55-15



HDR-H 60-14

Technical data		HDR-H 55-15	HDR-H 60-14
Art.-No.		7150551 (230 V) 7150553 (400 V)	7150601
Working pressure max.	bar	130	180
Flow rate max.	l/h	540	720
Temperature max.	°C	90	110
Fuel		Diesel	Diesel
Fuel tank volume	l	15	15
Fuel consumption	l/h	3.1	3.5
Detergent tank volume	l	3.5	3.5
Sound pressure level Lp	dB(A)	80	79
Input power ~50 Hz	kW/V	2,7 / 230 or 400	4.8 / 400
Dimensions (L x W x H) approx.	mm	825 x 570 x 598	940 x 620 x 840
Weight approx.	kg	66	100



Scope of delivery:

- Manual spray gun with pressure control
- Integrated hose reel with 15 m high-pressure hose for HDR-H 55-15 10 m
- Jet pipe
- Flat jet nozzle 15°
- Nozzle cleaning needle

HDR-H – Hot water high-pressure cleaner. Professional designs

- ▶ Working pressure and water temperature can be adjusted to suit the cleaning task at hand
- ▶ Cold water operation possible
- ▶ Total stop pump control: Delay-free start and stop of the pump motor when opening and closing the gun
- ▶ Anti-scaling device

HDR-H 78-18 / HDR-H 90-20

- ▶ Suction of cleaning agents from external tank possible via supplied hose
- ▶ Easy to maneuver thanks to ergonomic handle, two large wheels and two swivel castors with parking brake
- ▶ Loading via stable crane bracket possible

HDR-H 108-20

- ▶ Energy-saving and effective heating of the water thanks to separate burner ventilation unit, which switches off during cold water operation.
- ▶ Ergonomic handle, two large wheels and a swivel castor for easy maneuverability
- ▶ Separate burner ventilation unit



Clear control unit with system monitoring and selector switch for cold/hot water operation and temperature control

▶ HDR-H 78-18: Steam stage (140 °C) for removing stubborn dirt without chemical additives



Clear control unit with system monitoring and selector switch for cold/hot water operation and temperature control, HDR-H 108-20

▶ Steam setting (140 °C) for loosening stubborn dirt



Diesel for water heating

HDR-H 78-18



HDR-H 90-20



HDR-H 108-20



Powerful triplex high-pressure pump with brass head and ceramic piston



HDR-H 78-18/ HDR-H 90-20

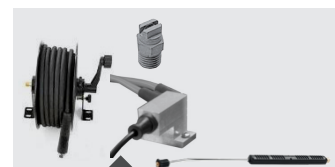


HDR-H 108-20



Scope of delivery HDR-H 78-18:

- ▶ Hand-held spray gun
- ▶ Hose reel with 15 m high-pressure hose
- ▶ Jet pipe
- ▶ Flat jet nozzle 25°
- ▶ Nozzle cleaning needle
- ▶ Detergent suction hose for external tank 1 m



Scope of delivery HDR-H 90-20:

- ▶ Hand-held spray gun
- ▶ Hose reel with 15 m high-pressure hose
- ▶ Jet pipe
- ▶ Flat jet nozzle 25°
- ▶ Flame control kit



Scope of delivery HDR-H 108-20:

- ▶ Hand-held spray gun
- ▶ Hose reel with 15 m high-pressure hose
- ▶ Jet pipe
- ▶ Flat jet nozzle 25°
- ▶ Nozzle cleaning needle

Technical data		HDR-H 78-18	HDR-H 90-20	HDR-H 108-20
Art.-No.		7150781	7150902	7150992
Working pressure max.	bar	180	190	200
Flow rate max.	l/h	780	840	1080
Temperature max.	°C	140	110	140
Fuel		Diesel	Diesel	Diesel
Fuel tank volume	l	18	18	19
Fuel consumption	l/h	4.6	5.6	6.4
Detergent tank	l	3.5	3.5	16
Anti-scale device Tank	l	2.5	2.5	2.5
High pressure hose length	m	15	15	15
Motor speed	min ⁻¹	1400	1400	1400
Input power ~50 Hz	kW/V	5 / 400	6.5 / 400	7.6 / 400
Dimensions (L x W x H) approx.	mm	950 x 620 x 850	950 x 620 x 850	1320 x 820 x 960
Weight approx.	kg	115	125	160

HDR-K series – Petrol-powered cold water high-pressure cleaners

- ▶ Mobile model with aluminium frame (HDR-K 66-20 BL/ HDR-K 96-28 BL), two rubber wheels, anti-vibration feet and handle with accessory holder
- ▶ Total stop pump control: Delay-free start and stop of the pump motor when opening and closing the gun
- ▶ Practical holders for hand-held spray gun, jet pipe and high-pressure hose
- ▶ Integrated detergent tank with simple detergent dosing
- ▶ High-quality threaded connections
- ▶ Integrated water filter protects the pump from dirt particles in the water
- ▶ Adjustable working pressure for adaptation to the respective cleaning task
- ▶ Controllable oil levels
- ▶ Drain plugs and drain slots facilitate maintenance and oil changes



Long pump service life thanks to crankshaft design



HDR-K 52-18 BS



HDR-K 66-20 BL

Accessory	Art.-No.
HDR-K 96-28 BL Reinforced hose extension 10m	7114021

Accessory
Fig. Surface cleaner (Does not fit HDR-K 52-18 BS)
Art.-No. 7115005



Scope of delivery:

- > Hand-held spray gun
- > High-pressure hose 10 m (HDR-K 66-20 BL 8 m)
- > Curved lance with adjustable nozzle
- > 4-piece quick-change nozzle set



Long pump service life thanks to crankshaft design



HDR-K 72-22 BR



HDR-K 96-28 BL

Technical data		HDR-K 52-18 BS	HDR-K 66-20 BL	HDR-K 72-22 BR	HDR-K 96-28 BL
Art.-No.		7103521	7103662	7103723	7109628
Working pressure max.	bar	165	140	180	230
Pump pressure max.	bar	180	200	220	280
Flow rate max.	l/h	510	660	720	960
Temperature max.	°C	60	50	60	60
Fuel		Petrol	Petrol	Petrol	Petrol
Fuel tank volume	l	3.6	3.6	3.6	6.5
High pressure hose length	m	7.5	8	10	10
Speed	min ⁻¹	3400	3400	3400	3400
High-pressure hose Pressure carrier		Steel reinforcement	Steel reinforcement	Steel reinforcement	Steel reinforcement
Piston head material		Stainless steel	Stainless steel	Ceramics	Ceramics
Cylinder head material		Aluminium	Aluminium	Brass	Brass
Sound pressure level Lp	dB(A)	99	87.5	87.5	88.6
Input power	kW	4	4.1	4.2	8.2
Dimensions (L x W x H) approx.	mm	575 x 525 x 580	520 x 690 x 565	771 x 458 x 926	830 x 595 x 640
Weight approx.	kg	28	31.4	34.7	58.4