

## HDVAR

### The Original

Durable, robust, individual, flexible. Stadiko high pressure cleaner will specially equipped according to your wishes. Accessories like hoses, lances, valve pistols are matched to your needs. Our specialists will be glad to advise you in selecting needed accessories.



## HDVAR - H

### The original model for hot water

If you wish to clean with available hot water, the stadiko high pressure cleaner can be fitted with special high pressure pumps suitable for hot water. Trackless tyres and swivel castors as well as trackless hoses are available for use on tiled floors, e.g., in food industry facilities.



## TECHNICAL SPECIFICATIONS

(Basic models without special accessories)

Type HDVAR	5,5/25-130	7,5/25-150	9,2/25-180	5,5/30-110	7,5/30-130	9,2/30-150	7,5/35-120	11/38-140	11/42-100
Flowrate (l/hour)	1500	1500	1500	1800	1800	1800	2100	2280	2520
Operating pressure (bar)	130	150	180	110	130	150	120	140	100
Power requirement (kW)	5,5	7,5	9,2	5,5	7,5	9,2	7,5	11	11
Power requirement (A)	16	16	32	16	32	32	32	32	32
Speed reduction	yes	yes	no	yes	yes	no	yes	no	no
Pump speed (rpm)	960	960	1440	960	960	1440	960	1440	1440
Type HDVAR - H	5,5/25-130 H	7,5/25-150 H	5,5/30-110 H	7,5/30-130 H	7,5/35-120 H				
Flowrate (l/hour)	1500	1500	1800	1800	2100				
Operating pressure (bar)	130	150	110	130	120				
Power requirement (kW)	5,5	7,5	5,5	7,5	7,5				
Power requirement (A)	16	16	16	32	32				
Speed reduction	yes	yes	yes	yes	yes				
Pump speed (rpm)	960	960	960	960	960				
Max. water inlet temp. (°C)	75	75	75	75	75				

Speed reduction = allowable pump speed of 1450 rpm reduced to 960 rpm = extremely long operating lifetime.



# HDVAR in detail



## 1 Hose reel

Extremely rugged hose reel made of 4 mm thick stainless steel, for hose lengths up to 110 meters, equipped with a robust reel brake and a highly reliable swivel joint.



## 2 Bow-handle/ergonomic transport

Ergonomically positioned and formed bow-handle allows easy transport, also when tipped. Air-filled 400 mm extra thick tyres with stainless steel bearings allow easy transport over rough surfaces.



## 3 Crankshaft pump

Rotary speed reduced from 1450 rpm to 960 rpm, provides extremely long operational lifetimes.



## 4 Motor and coupling

Premium quality electric motor with only 960 rpm, double roller bearing, for smooth operation and long lasting, with shock-absorbing coupling for smooth running and easy assembly.



## 5 Pressure valve

High quality pressure valve for large water flowrates, with pressure display.





### 6 Electrical switchbox

Extremely robust aluminium electrical box with toggle switch.



### 7 Water connection

Water connection for optimum hose guiding.



### 8 Lance holder

Highly functional lance holder, for up to 3 lances.



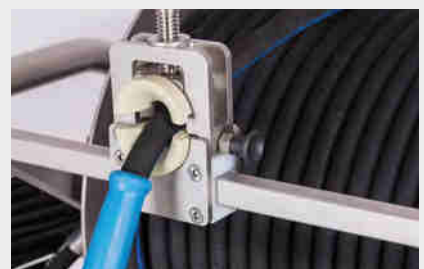
### 9 Stainless steel swivel castors

Large size stainless steel swivel castors with a diameter of 160 mm with lock for easy handling.



### 10 Hose brake

Hose brake for locking not unwound high pressure hose to prevent loopings on the reel.



## HDK

### The compact model

The compact HDK with a capacity of 15 l/min and 21 l/min at an operating pressure of 150 bar is suitable for lightweight cleaning tasks. Owing to its narrow width of 62 cm, this model is ideal for use in smaller spaces and can also be fitted with the HDVAR series motor pump unit.

### TECHNICAL SPECIFICATIONS (Basic models without special accessories)

Type HDK	5,5/15-150	5,5/21-150
Flowrate (l/hour)	900	1260
Operating pressure (bar)	150	150
Power requirement (kW)	5,5	5,5
Power requirement (A)	16	16
Pump speed (rpm)	1450	1450



## HDVA

### The universal model

High pressure cleaners with a very high capacity or high pressure levels are ideal for use in the INOX frame of the HDVA. Hose lengths of up to 180 metres are possible with this model. The HDVA impresses users with its compact design and easy handling.

### TECHNICAL SPECIFICATIONS (Basic models without special accessories)

Type HDVA	11/15-350	15/15-500	22/22-500	7,5/35-120	11/48-100
Flowrate (l/hour)	900	900	1320	2100	2880
Operating pressure (bar)	350	500	500	120	100
Power requirement (kW)	11	15	22	7,5	11
Power requirement (A)	32	32	63	32	32
Pump speed (rpm)	1450	1450	1450	960	960



## HDH

### The hot water unit

The hot water high pressure cleaners of the HDH series enable you to work with hot water and a strong flowrate. With the integrated burner technology ECO PLUS, it is possible to achieve a reduced soot emission with very high power. The efficient performance of approximately 95 kW is easy to regulate through the digital thermostat. The intelligent burner controls enable you to work with consistent temperatures.

### TECHNICAL SPECIFICATIONS (Basic models without special accessories)

Type HDH	7,5/25-150	7,5/30-130	8,5/25-180
Flowrate (l/hour)	1500	1800	1500
Operating pressure (bar)	150	130	180
max. temperature (°C)	70	60	70
Power requirement (kW)	7,5	7,5	8,5
Power requirement (A)	16	32	32
Pump speed (rpm)	960	960	960





## HDP

### The pallet platform

The HDP pallet platform is designed especially for use in sites located far apart from one another. This model's forklift inserts easily and securely enable transport between distant sites. The 200-litre supply tank is not only used for the pump-friendly bypass operation but can also compensate for fluctuating water supply quantities.

The HDP can be fitted with all motor pump units, as are also available for the HDVAR – from a motor pump unit with 25 l/min and an operating pressure of 180 bar for washing small parts and stubborn spots of dirt, to a motor pump unit with a capacity of 35 l/min and an operating pressure of 120 bar to clean large surfaces with the ideal flowrate.



## HDB

### The petrol model

A suitable power connection for powerful high pressure cleaners is not available everywhere. We offer petrol-powered high pressure cleaners for application in these areas. As with all our models, we can offer a wide range of combinations of litre capacities and operating pressures.

From a petrol high pressure cleaner with a capacity of 15 l/min and an operating pressure of 200 bar, as shown in the accompanying figure, to a capacity combination of 30 l/min at 150 bar – the petrol-powered high pressure cleaners are available in diverse versions. As a driving vehicle carriage with a mounted water tank this cleaner is completely self-sufficient of water or power connections.



## INDIVIDUALITY IS OUR STRENGTH

**and consultancy is our greatest priority.** We will be happy to provide support while you choose the most suitable high pressure cleaner for your needs, as well as the suitable high pressure hose, valve pistols, lances and any other options which will make working with a high pressure cleaner more effective and convenient. We can also provide expert advice regarding solutions for special designs. Please contact us for an individual advice.

# STATIONARY HIGH PRESSURE CLEANER

Always having the option to clean quickly and directly with a high pressure cleaner without a time-consuming setup increases cleanliness and general hygiene in workplaces.

Working with a stationary high pressure system is easy and saves time.

High pressure rigid hose lines are placed in the various cleaning sites which connect to a high pressure system with a litre capacity and operating pressure tailored to the respective cleaning task. A movable hose is connected to optimally positioned taps, and cleaning can begin. Not only does this save a lot of time, it also leads to significant cost savings by eliminating the need to set up a mobile unit.

Every high pressure system is designed according to your needs and the requirements of the cleaning task. A high pressure system can thus be setup for a single user or for any number of operators.

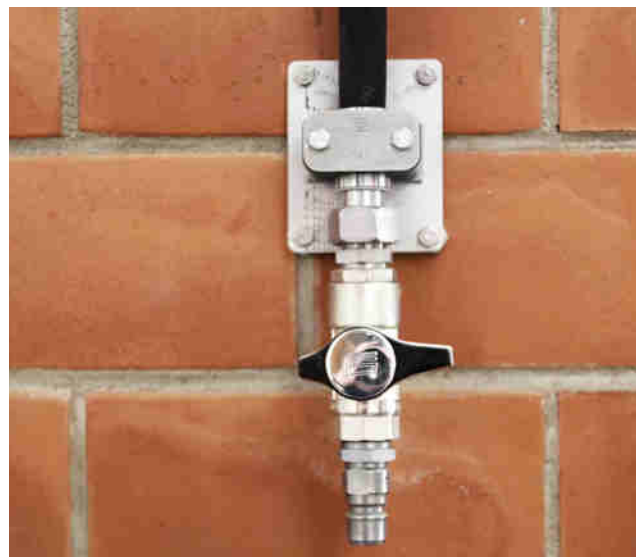
High pressure systems can also be designed for use with hot water. If you would like to feed in existing hot water, special pumps are fitted which are designed for use with hot water. When you have to generate hot water, we can offer the corresponding burner units.

For cleaning tasks which require different flowrates at different locations, we can provide you with frequency-controlled high pressure systems. You can choose from various water capacities by selecting a lance with the corresponding high pressure nozzle. Is the high pressure pump of a frequency-controlled high pressure plant correspondingly large, it is possible to work with more than one user at the same time. It is also possible to select different pressure levels via a selector switch on the system control.

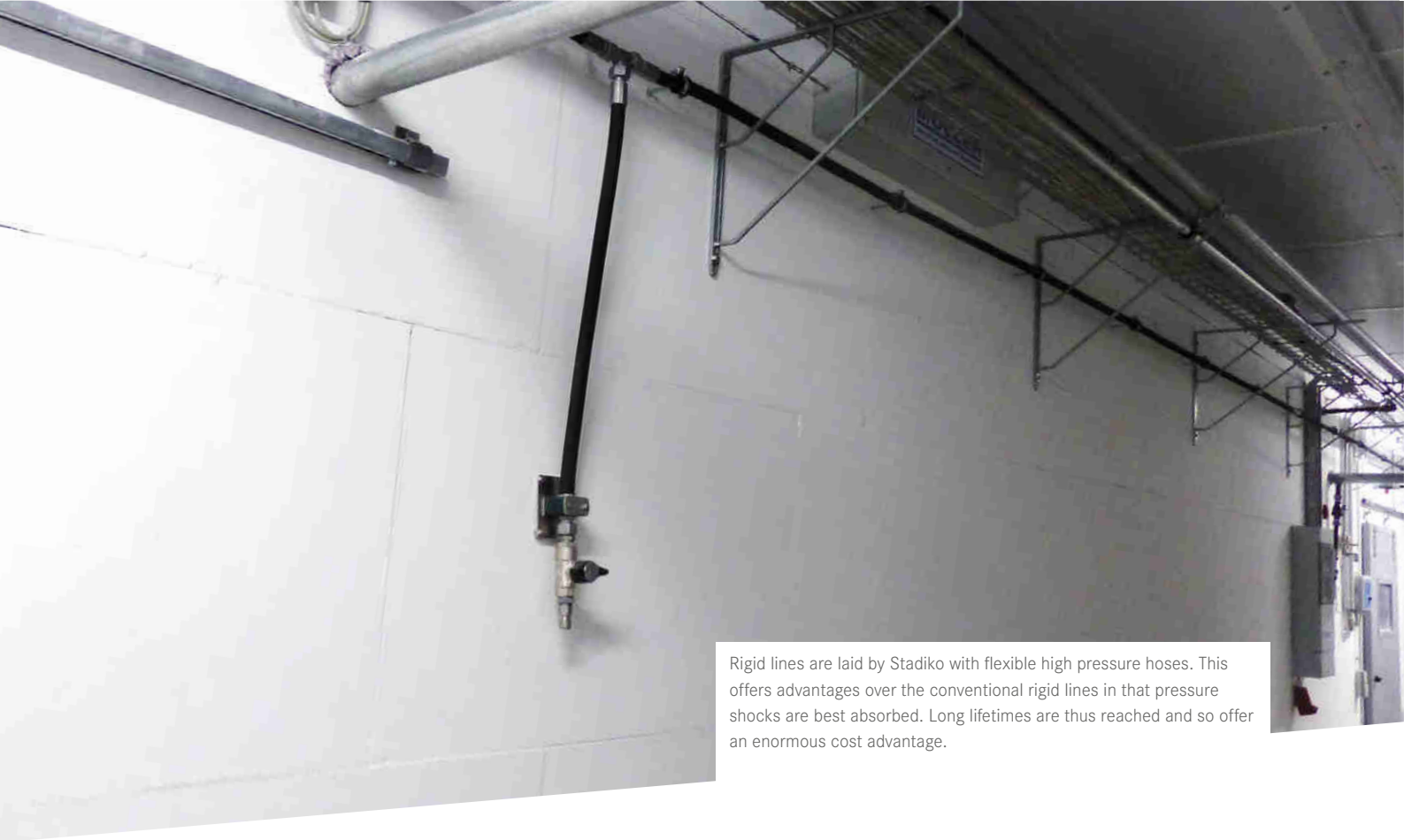
We are happy to provide you with comprehensive advice while you plan the implementation of high pressure systems. We would be delighted to have you benefit from our experience – just call us.



Always at hand – practical, robust hose and lance holders



The movable hose is connected to an optimally positioned tap connection. This leads to an effective and cost-saving cleaning because long set-up times are eliminated.



Single plant for one user



Double stage plant for two users

# INDIVIDUAL & STATIONARY SOLUTIONS

## MULTIPLE-STAGE SYSTEM

stadiko develops high pressure systems to keep pace with growing demands. If you are in the food industry or another cleaning-intensive industry – your ideal solution is a multiple-stage system for several users.

Multi-stage systems are customised for the customer according to the number of washing areas required and designed with approved technology. The image below shows a five-stage system used in a facility which processes food, as an example. All two-stage and multi-stage systems from stadiko are equipped with a demand switch which ensures the same pump running times for the individual motor pump units.

The multiple-stage systems are operated using a TFT Colour operating display as a touch panel. This display also shows relevant operating data such as the system pressure and the current bypass quantity. The maintenance intervals are controlled through an integrated operating hour counter. When the maintenance interval is reached, a corresponding message appears on the control display. During maintenance, work can continue without a hitch by simply switching the system to manual operation.



Stationary multiple-stage system 5HD 7,5/35-120, designed for five simultaneous users. This system provides every user with a water capacity of 35 l/min with an operating pressure of 120 bar.



## HOT WATER SYSTEMS

A variety of options are available to supply stationary high pressure systems with hot water for cleaning tasks which require hot water. Whether you want to use available hot water or generate it using a burner chamber, we have the solutions.

### Generating hot water with a burner chamber

The oil or gas-operated hot water generator features a burner chamber which generates hot water directly after the high pressure pump. A powerful and efficient burner heats the water before it is pushed into the connected pipe. The temperature can be set using a stepless adjustable control thermostat. A security temperature limiter and a flame monitor ensure that operating the burner system is always safe. Multi-level heating technology is available for supplying two-stage or multiple-stage high pressure systems.

We would be happy speak to you about exhaust systems and any other design questions.

### Use available hot water cleverly

If you would like to use existing hot water, e.g., from a biogas unit, stadiko high pressure systems are equipped with special high pressure pumps for this purpose. The specially designed construction of these HD pumps, including a longer transition between the pump head and pump housing, ensures problematic temperature transfers can be avoided, thus ensuring operational safety.

These systems feature a high-quality stainless-steel tank in the water inlet. As with all stationary systems from stadiko, these high pressure cleaners can also be equipped for several operators.



Stationary HD 7.5/30-130 with a double burner chamber



Double-stage system with an external hot water supply



# **CLEANER ACCESSORIES**

## **FOR PROFESSIONAL USERS –**

## **ROBUST & TAILORED**

<b>Hose carts &amp; hose reels</b>	<b>15</b>
<b>High pressure hoses</b>	<b>16</b>
<b>Lances</b>	<b>17</b>
<b>Valve pistols</b>	<b>18</b>
<b>Nozzles</b>	<b>18</b>
<b>Nozzles tabel</b>	<b>20</b>
<b>Cleaning heads</b>	<b>21</b>
<b>Couplings &amp; swivels</b>	<b>21</b>
<b>Surface cleaner</b>	<b>22</b>
<b>Chemical injectors</b>	<b>23</b>
<b>Hot water generators &amp; buffer tanks</b>	<b>23</b>

## HOSE CARTS & HOSE REELS



### INOX hose reel small

Extremely durable stainless steel hose reel with stand and reel brake. Suitable for 45 m of high pressure hose, max. 180 bar.

Art. No. 110.0700



### INOX hose reel medium

Extremely durable stainless steel hose reel with stand and reel brake. Suitable for 110 m of high pressure hose, max. 180 bar.

Art. No. 110.0701



### INOX hose reel rotary device

Rotary unit for hose reels to pivot 90°

Small: Art. No. 110.0730

Medium: Art. No. 110.0731



### INOX hose cart small

Extremely robust design, incl. INOX hose reel for 45 m of hose (excl. HP-hose)

Art. No. 110.0720



### INOX hose cart medium

Extremely robust design, incl. INOX hose reel for 110 m of hose. (excl. HP-hose)

Art. No. 110.0721



### INOX hose brake

Hose brake to stop an unrolled high pressure hose to prevent looping on the reel. Available with hose brake jaws for various hose sizes. Can be retrofitted



### INOX automatic hose reel

High quality INOX hose reel with swivel joint and automatic wind-up, max. 30 m (NW12) (excl. HP-hose)

Art. No. 110.0710



### INOX hose reel low pressure

Extremely durable low pressure stainless steel hose reel with stand, for high flow rates (excl. swivel and hose)

Throughput 3/4": Art. No. 110.0705

Throughput 1": Art. No. 110.0706

### Hose brake for INOX hose reel small

Art. No. 110.0735

### Hose brake for INOX hose reel medium

Art. No. 110.0736