BIEMMEDUE
heating, cleaning and drying




A RICHIESTA - *ON DEMAND*
(ruote pivotanti - *swivel casters*)

# SPX

## PROFESIONALNI PERAČI POD PRITISKOM SA TOPLOM VODOM

## *PROFESSIONAL HOT WATER HIGH PRESSURE CLEANERS*

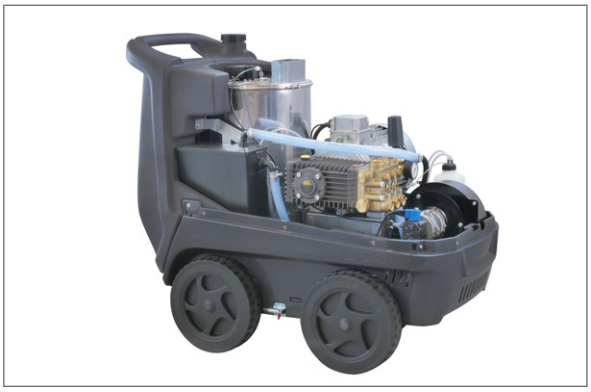
**ECO Steam** · Vojvode Putnika 43, Trnava, 35000 Jagodina · tel. +381 63 640 101 · info@eco-steam.rs · www.eco-steam.rs

# SPX - PROFESIONALNI PERAČI POD PRITISKOM SA TOPLOM VODOM

- ACDS2: Napredna kontrola sa odloženim zaustavljanjem, sa mogućnošću povezivanja na dijagnostički čitač (str.104)
- Klipne pumpe sa keramičkim klipovima i mesinganom glavom
- Motor 1450 rpm (spojnica sa dvostrukim ležajem za modele H-XL i H-XXL)
- Zaštita spoja motor/pumpa posebnim sistemom za zadržavanje maziva
- Ventil za regulaciju pritiska
- Visokopritisno doziranje deterdženta (opcija)
- Posuda za napojnu vodu sa plovnim ventilom
- Filter za vodu dostupan sa spoljne strane mašine
- Kotao sa stepenom iskorišćenja preko 92%
- Senzor nivoa dizel goriva u isporuci (opcija za mod. HS-L)
- Termička zaštita motora
- Kontrola curenja
- Automatsko isključivanje usled nekorišćenja nakon 20 min.
- Sistem protiv kamenca podesiv od 27 do 200 ml/h (opcija na modelima HS-L, serijski na HS-XL i HS-XXL)
- Dostupno sa četiri fiksna točka (300 mm) ili sa dva okretna (na zahtev)
- Pamćenje vremena rada mašine sa LED signalizacijom po dostizanju perioda „redovnog održavanja“
- LED signalizacija „mašina spremna“ i „greške“
- Priprema za motalicu (opcija)
- Poklopac od nerđajućeg čelika AISI 430

- *ACDS2: Advanced Control with Delayed Stop, ready for connection to diagnostic display (page 104)*
- *Triplex plunger pump with three ceramic pistons and brass head*
- *1450 rpm motor (double bearing joint for H-XL and H-XXL models)*
- *Motor/pump coupling protection with special lubricant retention system*
- *High pressure valve regulation*
- *High pressure detergent injection system (optional)*
- *Built-in water tank with floating valve*
- *Water filter, accessible for inspection from the outside of the machine*
- *Boiler with over 92 % efficiency*
- *Diesel level switch included (optional for HS-L models)*
- *Engine thermal protection*
- *Micro leakage control*
- *Limescale prevention system adjustable from 27 to 200 ml/h (optional on HS-L models, standard on HS-XL and HS-XXL)*
- *Automatic shutdown if idle for more than 20 min.*
- *4 fix wheels (300mm) or two fix + 2 front swivel casters (on demand)*
- *Hour counter device with service alert warning led*
- *Warning LED “machine ready” and “malfunction”*
- *Hose reel (optional)*
- AISI 430 stainless steel cover







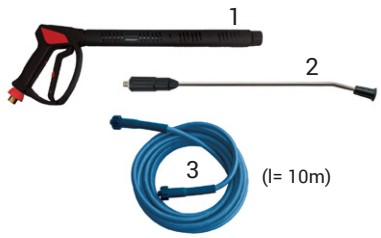
# OPREMA U ISPORUCI / *SUPPLIED ACCESSORIES*




| N° | MOD. | ŠIFRA | OPIS - *DESCRIPTION* |
|---|---|---|---|
| 1 | HS-XXL 300/21<br>HS-XXL 250/25<br>HS-XXL 200/30<br>HS-XL 200/21<br>HS-XL 180/25<br>HS-XL 160/30<br>HS-L 160/15<br>HS-L 220/15<br>HS-L 250/15<br>HS-L 180/18<br>HS-L 190/20 | I50216<br>I50286<br>B.CCID00020<br>I50295<br>I50298<br>B.CCID00103<br>I50205<br>I50284<br>I50202<br>I50295<br>I50274 | Dizna - *Nozzle* 1/4"M 25050<br>Dizna - *Nozzle* 1/4"M 25075<br>Dizna - *Nozzle* 1/4"M 25110<br>Dizna - *Nozzle* 1/4"M 25065<br>Dizna - *Nozzle* 1/4"M 25090<br>Dizna - *Nozzle* 1/4"M 25150<br>Dizna - *Nozzle* 1/4"M 25055<br>Dizna - *Nozzle* 1/4"M 25045<br>Dizna - *Nozzle* 1/4"M 25040<br>Dizna - *Nozzle* 1/4"M 25065<br>Dizna - *Nozzle* 1/4"M 25070 |
| 2 | Svi - *All* | B.CCFL00005 | Linijski filter 3/4" od plastike 120 µm<br>*3/4" Plastic Inline Filter 120 µm* |
| 3 | Svi - *All* | 01AC052 | Priključak za crevo 3/4"<br>*Threaded tap adaptor 3/4"* |

# DODATNA OPREMA NA ZAHTEV / *ACCESSORIES ON DEMAND*

## KOMPLET PREMIUM
***PREMIUM KIT***




**Mod.** HS-L: 160/15-180/18-190/20
Crevo - *Hose* (R1)
**Šifra** 01AC009
(01AC422**(1)** + 01AC419**(2)** + 01AC401**(3)**)

**Mod.** HS-L: 220/15-250/15 HS-XL: 200/21 - 300/21 Crevo - *Hose* (R2)
**Šifra** 01AC023
(01AC422**(1)** + 01AC419**(2)** + 01AC398**(3)**)

## KOMPLET PREMIUM (HF)
***(HF) PREMIUM KIT***




**Mod.** HS-XL: 160/30-180/25
HS-XXL: 250/25-200/30
Crevo - *Hose* (R2 HF)
**Šifra** 01AC024
(01AC422**(1)** + 01AC419**(2)** + 01AC502**(3)**)

## KOMPLET LUXURY
***LUXURY KIT***




**Mod.** Svi modeli do 21l/min uključeno - *All models up to 21l/min included* - Crevo - *Hose* (R2)
**Šifra** 01AC010
(01AC532**(1)** + 01AC554**(2)** + 01AC425**(3)**)

**Mod.** HS-XL: 160/30-180/25
HS-XXL: 250/25-200/30
Crevo - *Hose* (R2 HF)
**Šifra** 01AC025
(01AC532**(1)** + 01AC554**(2)** + 01AC502**(3)**)

## VERZIJA SA OKRETNIM TOČKOVIMA
***SWIVEL CASTERS VERSION***



**Mod.** Svi - *All*

Ugrađuje se tokom proizvodnje mašine
*Must be installed during manufacturing*

## KOMPLET PROTIV KAMENCA *
***LIMESCALE KIT***



**Mod.** (serijski na HS-XL/HS-XXL / *standard on HS-XL/HS-XXL*)
**Šifra** 01AC040

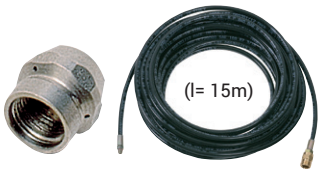
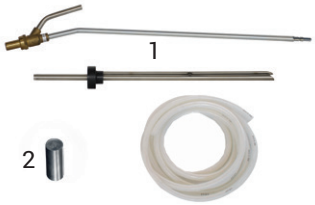
## KOMPLET ZA DETERDŽENT 3l HP *
***3l HP DETERDENT KIT***



**Mod.** Svi - *All*
**Šifra** 01AC047

* Komplet važi za modele sa posudom za vodu - Kit suitable only for models equipped with a water tank

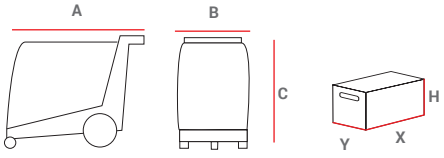
| KOMPLET FILTERA SA NAMOTANOM NITI 50 µm SA BAJONETNIM SPOJEM I NASTAVKOM ZA CREVO Ø20 mm<br>*50 µm WOUND WIRE FILTER KIT WITH BAYONET CONNECTION AND Ø20 mm HOSE HOLDER* | KOMPLET Y FILTERA 400 µm OD MESINGA SA NASTAVKOM ZA CREVO Ø 20 mm<br>*Y 400 µm BRASS FILTER KIT WITH HOSE HOLDER Ø 20 mm* | KOMPLET Y FILTERA 400 µm OD MESINGA SA BAJONETNIM PRIKLJUČKOM I NASTAVKOM ZA CREVO Ø 20 mm<br>*Y FILTER KIT 400 µm BRASS WITH BAYONET CONNECTION AND HOSE HOLDER Ø 20 mm* |
|---|---|---|
|  |  |  |
| **Mod.** Svi - *All*<br>**Šifra** 01AC046 | **Mod.** Svi - *All*<br>**Šifra** 01AC044 | **Mod.** Svi - *All*<br>**Šifra** 01AC045 |

| KOMPLET DIZNE ZA ČIŠĆENJE CEVI<br>*PIPE CLEANING KIT* | KOMPLET ROTIRAJUĆE TURBO DIZNE<br>*TURBO NOZZLE KIT* | KOMPLET ZA PESKARENJE<br>*SANDBLASTING KIT* |
|---|---|---|
|  |  |  |
| **Mod.** Crevo - *Hose* (do 200 bar-*up to 200 bar*)<br>**Šifra** 01AC376 | **Mod.** Svi - *All* Koplje - *Lance* (70 cm)<br>**Šifra** 01AC514 | **Mod.** HS-XXL 300/21 - HS-L 160/15 (050= 1,6 mm) **1**<br>**Šifra** 01AC476* |
| **Mod.** Crevo - *Hose* (preko 200 bar-*over 200 bar*)<br>**Šifra** 01AC615 | **Mod.** HS-XXL 300/21 Dizna - *Nozzle* (050)<br>**Šifra** 01AC466 | **Mod.** HS-XL 200/21 - HS-L 180/18 - H-L 190/20 (060=1,7 mm) **1**<br>**Šifra** 01AC478* |
| **Mod.** HS-XXL 300/21 Dizna - *Nozzle* (050)<br>**Šifra** 01AC481 | **Mod.** HS-XXL 250/25 Dizna - *Nozzle* (075)<br>**Šifra** 01AC349 | **Mod.** HS-L 220/15 (045= 1,5 mm) **1**<br>**Šifra** 01AC475* |
| **Mod.** HS-XL 200/21 Dizna - *Nozzle* (065)<br>**Šifra** 01AC404 | **Mod.** HS-XXL 200/30 Dizna - *Nozzle* (100)<br>**Šifra** 01AC355 | **Mod.** HS-L 250/15 (040= 1,4 mm) **1**<br>**Šifra** 01AC474* |
| **Mod.** HS-L 160/15 Dizna - *Nozzle* (055)<br>**Šifra** 01AC290 | **Mod.** HS-XL 200/21 Dizna - *Nozzle* (065)<br>**Šifra** 01AC297 | |
| **Mod.** HS-L 220/15 Dizna - *Nozzle* (045)<br>**Šifra** 01AC403 | **Mod.** HS-XL 180/25 Dizna - *Nozzle* (090)<br>**Šifra** 01AC299 | |
| **Mod.** HS-L 250/15 Dizna - *Nozzle* (040)<br>**Šifra** 01AC471 | **Mod.** HS-XL 160/30 Dizna - *Nozzle* (150)<br>**Šifra** 01AC614 | |
| **Mod.** HS-L 180/18 Dizna - *Nozzle* (065)<br>**Šifra** 01AC404 | **Mod.** HS-L 160/15 Dizna - *Nozzle* (055)<br>**Šifra** 01AC347 | |
| **Mod.** HS-L 190/20 Dizna - *Nozzle* (080)<br>**Šifra** 01AC288 | **Mod.** HS-L 220/15 Dizna - *Nozzle* (045)<br>**Šifra** 01AC317 | **Mod.** Svi-*All* **2**<br>Dizna za pesak - *Sand Nozzle*<br>(rezervni deo - *spare part*)<br>**Šifra** 01AC480 |
| | **Mod.** HS-L 250/15 Dizna - *Nozzle* (040)<br>**Šifra** 01AC493 | |
| | **Mod.** HS-L 180/18 Dizna - *Nozzle* (065)<br>**Šifra** 01AC297 | |
| | **Mod.** HS-L 190/20 Dizna - *Nozzle* (070)<br>**Šifra** 01AC298 | |

* Dizna je uključena u komplet - Nozzle icluded

| PESAK (25 KG)<br>*SAND (25 KG)* | MOTALICA OD ČELIKA<br>INOX AISI 304 - L max =30 m<br>*STAINLESS STEEL AISI 304*<br>*HOSE REEL L max = 30 m* | ADAPTER ZA MOTALICU VERTIKALNO<br>*VERTICAL HOSE REEL ADAPTER* | ADAPTER ZA ODVOD DIMNIH GASOVA<br>*EXHAUST PIPE ADAPTOR*<br>Ø 200 mm |
|---|---|---|---|
|  |  |  |  |
| **Mod.** Svi - *All*<br>**Šifra** 01AC284 | **Mod.** Svi - *All*<br>**Šifra** 01AC048 | **Mod.** Svi - *All*<br>**Šifra** 01AC056 | **Mod.** Svi - *All*<br>**Šifra** 01AC055 |
| **DOPLATA ZA**<br>SERPENTINA OD NERĐAJUĆEG ČELIKA<br>*PRICE INCREASE FOR STAINLESS STEEL HEATING COIL* | **IDRO-CALC ADITIV ANTIKAMEN ZA PERAČE**<br>*LIMESCALE INHIBITOR FOR H.P. CLEANERS* | **PREDNJI BRANIK**<br>*FRONT BUMPER* | **ZADNJI BRANIK**<br>*REAR BUMPER* |
|  |  |  |  |
| **Mod.** Modeli HS-L / *HS-L models*<br>**Šifra** 01AC050<br>**Mod.** Modeli HS-XL i HS-XXL / *HS-XL and HS-XXL models*<br>**Šifra** 01AC051 | **Mod.** Svi - *All*<br>**Šifra** 092P18 1 lt<br>**Šifra** 092P09 10 lt | **Mod.** Svi - *All*<br>**Šifra** 01AC042 | **Mod.** Svi - *All*<br>**Šifra** 01AC043 |
| **KOMPLET REDUKTORA PRITISKA SA MANOMETROM**<br>*PRESSURE REDUCER KIT WITH MANOMETER* | **CEV ZA BAJPAS POSUDE ZA VODU**<br>*BY-PASS PIPE FOR WATER TANK* | **DOPLATA ZA SENZOR INDIKACIJE NIVO DIZEL GORIVA**<br>*PRICE INCREASE FOR DIESEL LEVEL SENSOR* | **FOTOTRANZISTOR ZA DETEKCIJU PLAMENA**<br>*FLAME CHECK PHOTOTRANSISTOR* |
|  |  |  |  |
| **Mod.** Svi/*All*<br>**Šifra** 01AC049 | **Mod.** Svi modeli od 20l/min uključeno *All models from 20l/min included*<br>**Šifra** B.CRID00037<br>**Mod.** HS-L: 160/15-180/18-220/15-250/15<br>**Šifra** B.CRID00045 | **Mod.** Svi/*All*<br>**Šifra** 01AC053 | **Mod.** Svi/*All*<br>**Šifra** 01AC054 |

| TEŽINA I DIMENZIJE MAŠINE<br>*WEIGHTS AND DIMENSIONS MACHINE* | | | | | PAKOVANJE<br>*PACKAGING* | | | |
|---|---|---|---|---|---|---|---|---|
| MOD | A | B | C | Neto/*Net* | X | Y | H | Bruto/*Gross* |
| | [mm] | [mm] | [mm] | [kg] | [mm] | [mm] | [mm] | [kg] |
| HS - L 160/15 | 1160 | 705 | 965 | 156 | 1.200 | 800 | 1.137 | 186 |
| HS- L 220/15 | 1160 | 705 | 965 | 162 | 1.200 | 800 | 1.137 | 192 |
| HS - L 180/18 | 1160 | 705 | 965 | 162 | 1.200 | 800 | 1.137 | 192 |
| HS - L 250/15 | 1160 | 705 | 965 | 168 | 1.200 | 800 | 1.137 | 198 |
| HS - L 190/20 | 1160 | 705 | 965 | 168 | 1.200 | 800 | 1.137 | 198 |
| HS - XL 200/21 | 1160 | 705 | 965 | 184 | 1.200 | 800 | 1.137 | 214 |
| HS - XL 180/25 | 1160 | 705 | 965 | 184 | 1.200 | 800 | 1.137 | 214 |
| HS - XL 160/30 | 1160 | 705 | 965 | 184 | 1.200 | 800 | 1.137 | 214 |
| HS - XXL 300/21 | 1160 | 705 | 965 | 201 | 1.200 | 800 | 1.137 | 231 |
| HS - XXL 200/30 | 1160 | 705 | 965 | 201 | 1.200 | 800 | 1.137 | 231 |
| HS - XXL 250/25 | 1160 | 705 | 965 | 201 | 1.200 | 800 | 1.137 | 231 |



# SPX - PROFESIONALNI PERAČI POD PRITISKOM SA TOPLOM VODOM
## *PROFESSIONAL HOT WATER HIGH PRESSURE CLEANERS*








| | | HS-L | | | | |
|---|---|---|---|---|---|---|
| | | **160/15** | **180/18** | **220/15** | **190/20** | **250/15** |
| šifra - *code* (4 fiksna točka / *4 fixed casters*) | | 01HL040 | 01HL640 | 01HL240 | 01HL840 | 01HL340 |
| šifra - *code* (2 okretna točka / *2 swivel casters*) | | 01HL041 | 01HL641 | 01HL241 | 01HL841 | 01HL341 |
| maks. pritisak - *max. pressure* | [ bar ] [ MPa - psi ] | 160 16-2.320 | 180 18-2.600 | 220 22-3.190 | 190 19-2.177 | 250 25-3.600 |
| maks. protok - *max. flow rate* | [ lt/h ] | 900 | 1.080 | 900 | 1.200 | 900 |
| pumpa - *pump* | | IP 47 | | | | |
| sistem zaustavljanja - *stop system* | | ACDS 2 V2 | | | | |
| broj obrtaja pumpe - *pump speed* | [ rpm ] | 1.450 | | | | |
| maks. apsorbovana snaga - *max. absorbed power* | [ Kw ] | 4,1 | 6,0 | 5,9 | 6,9 | 6,7 |
| napajanje - *supply voltage* | [ V - ph - Hz ] | 400-3-50 | | | | |
| dužina serpentine - *coil lenght* | [ m ] | 30 | | | | |
| maks. temperatura - *max. temperature* | [ °C ] | 130 | | | | |
| rezervoar za dizel gorivo - *fuel tank* | [ lt ] | 47 | | | | |








| | | HS-XL | | |
|---|---|---|---|---|
| | | **200/21** | **180/25** | **160/30** |
| šifra - *code* (4 fiksna točka / *4 fixed casters*) | | 01HXL440 | 01HXL640 | 01HXL840 |
| šifra - *code* (2 okretna točka / *2 swivel casters*) | | 01HXL441 | 01HXL641 | 01HXL841 |
| maks. pritisak - *max. pressure* | [ bar ] [ MPa - psi ] | 200 20-2.900 | 180 18-2.600 | 160 16-2.320 |
| maks. protok - *max. flow rate* | [ lt/h ] | 1.260 | 1.500 | 1.800 |
| pumpa - *pump* | | IP 47 | | |
| sistem zaustavljanja - *stop system* | | ACDS 2 V2 | | |
| broj obrtaja pumpe - *pump speed* | [ rpm ] | 1.450 | | |
| maks. apsorbovana snaga - *max. absorbed power* | [ Kw ] | 6,9 | 7,4 | 7,7 |
| napajanje - *supply voltage* | [ V - ph - Hz ] | 400-3-50 | | |
| dužina serpentine - *coil lenght* | [ m ] | 38 | | |
| maks. temperatura - *max. temperature* | [ °C ] | 130 | | |
| rezervoar za dizel gorivo - *fuel tank* | [ lt ] | 47 | | |








| | | HS-XXL | | |
|---|---|---|---|---|
| | | **300/21** | **250/25** | **200/30** |
| šifra - *code* (4 fiksna točka / *4 fixed casters*) | | 01H2L240 | 01H2L540 | 01H2L940 |
| šifra - *code* (2 okretna točka / *2 swivel casters*) | | 01H2L241 | 01H2L541 | 01H2L941 |
| maks. pritisak - *max. pressure* | [ bar ] [ MPa - psi ] | 300 30-4.351 | 250 25-3.600 | 200 20-2.900 |
| maks. protok - *max. flow rate* | [ lt/h ] | 1.260 | 1.500 | 1.800 |
| pumpa - *pump* | | IP 66 | | |
| sistem zaustavljanja - *stop system* | | ACDS 2 V2 | | |
| broj obrtaja pumpe - *pump speed* | [ rpm ] | 1.450 | | |
| maks. apsorbovana snaga - *max. absorbed power* | [ Kw ] | 9,7 | 10,2 | 10,0 |
| napajanje - *supply voltage* | [ V - ph - Hz ] | 400-3-50 | | |
| dužina serpentine - *coil lenght* | [ m ] | 38 | | |
| maks. temperatura - *max. temperature* | [ °C ] | 130 | | |
| rezervoar za dizel gorivo - *fuel tank* | [ lt ] | 47 | | |

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