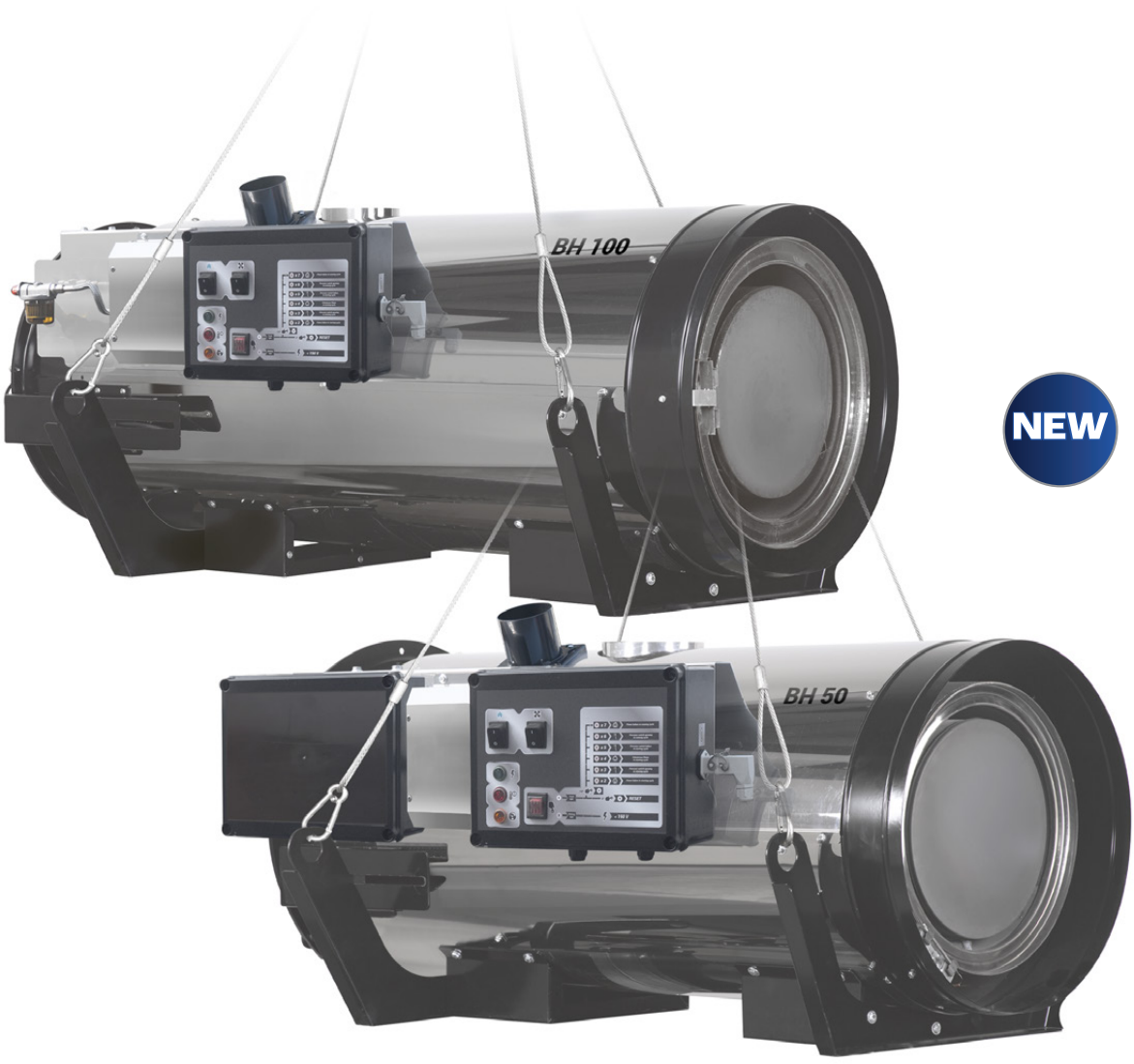
BIEMMEDUE
heating, cleaning and drying

GASOLIO OIL · GPL LPG · METANO NATURAL GAS



BH

VISEĆI GENERATORI TOPLOG VAZDUHA, INDIREKTNO SAGOREVANJE

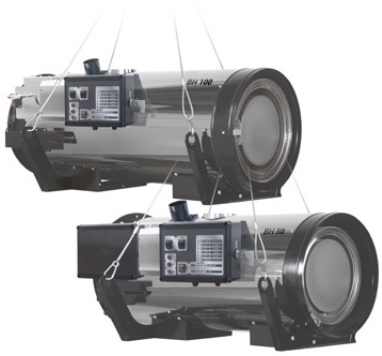
INDIRECT COMBUSTION SUSPENDED SPACE HEATERS

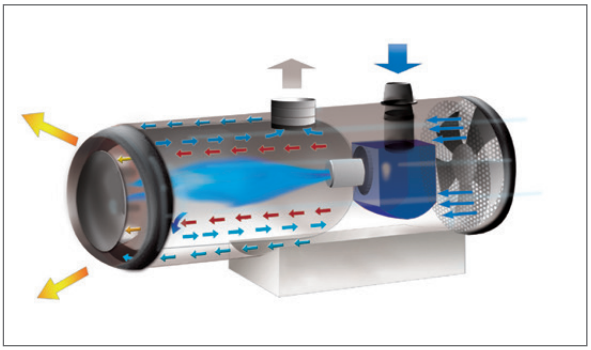
ECO Steam · Vojvode Putnika 43, Trnava, 35000 Jagodina · tel. +381 63 640 101 · info@eco-steam.rs · www.eco-steam.rs

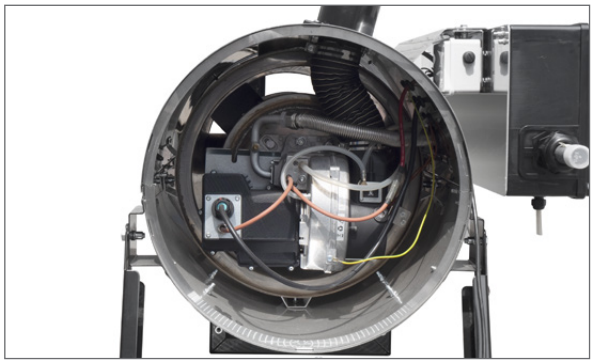
BH - VISEĆI GENERATORI TOPLOG VAZDUHA, INDIREKTNO SAGOREVANJE

- Konstrukcija od nerđajućeg čelika AISI 430
- Zasebni automatski gorionik na dizel ili gas
- Nagib ventilatora za lako održavanje i zamenu gorionika
- Elektronska kontrola plamena
- Automatski FAN termostat za ventilaciju samo toplog vazduha, sa predgrevanjem komore za sagorevanje i naknadnom ventilacijom radi hlađenja
- Automatski LIMIT termostat za kontrolu gorionika
- OVERHEATING termostat protiv pregrevanja sa ručnim resetovanjem
- Prekidač zima-leto za korišćenje kao ventilator
- Sigurnosni presostati (vazduh i gas)
- Izmenjivač toplote i komora za sagorevanje od nerđajućeg čelika AISI 430 sa četiri prolaza dima
- Električna tabla sa zaštitom IP65
- Mogućnost povezivanja na termostat, higrostat ili tajmer
- Priprema za povezivanje na centralni sistem klimatizacije
- Gasna rampa: grupa ventila sa filterom gasa, regulatorom pritiska, sigurnosnim i radnim elektroventilom (sporo otvaranje), stabilizatorom i mernim priključcima.
- Serijski snorkel priključak za dovod čistog vazduha za sagorevanje spolja

- *High-grade AISI 430 stainless steel body and combustion chamber*
- *Automatic oil or NATURAL / LPG gas separate burner*
- *Tipping fan for easy burner maintenance or replacement*
- *Electronic control flame box*
- *FAN automatic thermostat for hot air blowing, with combustion chamber pre-warming and after cooling cycle*
- *LIMIT automatic thermostat to control the burner*
- *Safety OVERHEATING manual reset thermostat*
- *Summer-winter switch to use as a fan*
- *Air and gas safety pressure switches*
- *Four smoke loops AISI 430 stainless steel combustion chamber and heat exchanger*
- *IP65 electric board grade protection*
- *Connectable to a thermostat, humidistat or timer*
- *Connectable to a climate computer*
- *Gas train: gas safety box with gas filter, pressure reducer, safety solenoid valve, slow action work solenoid valve, stabilizer, gas pressure connections*
- *Snorkel connection adapter to allow outside clean combustion air feed*

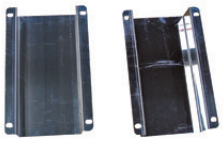
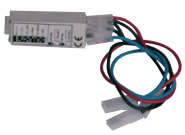






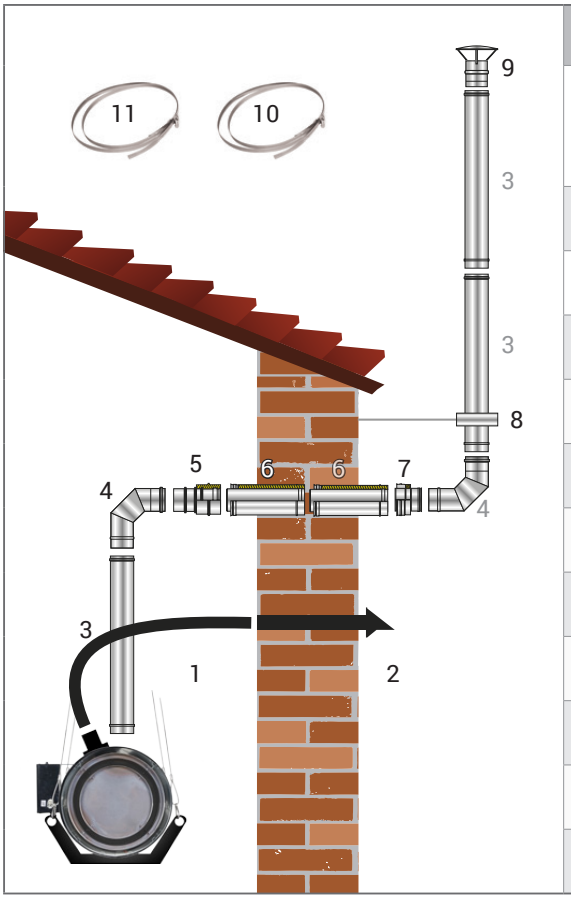


DODATNA OPREMA NA ZAHTEV / *ACCESSORIES ON DEMAND*

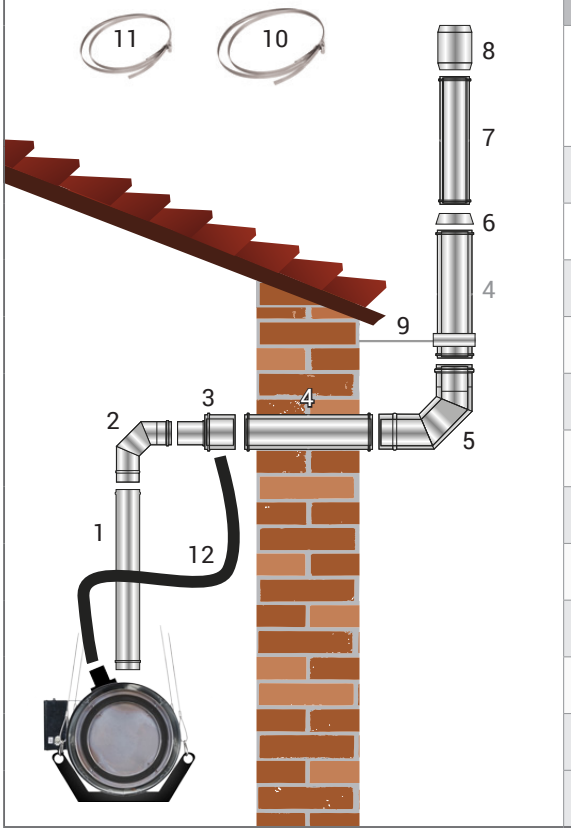
SOBNI TERMOSTAT +5/+30°C SA KABLOM L=10 m I UTIKAČ 90° *ROOM THERMOSTAT +5/+30°C CABLE 10 m, PLUG 90°*	**TERMOSTAT ZA POLJOPRIVREDU/ GRADILIŠTE -5/+50°C SA KABLOM L=10 m I UTIKAČ 90°** *HEAVY DUTY THERMOSTAT -5/+50°C CABLE 10 m, PLUG 90°*	**PRECIZNI ELEKTRONSKI TERMOSTAT IP55 SA DISPLEJEM -10/+70°C BEZ KABLA I UTIKAČA** *ELECTRONIC THERMOSTAT IP55 WITH DISPLAY -10/+70°C WITHOUT POWER CORD AND PLUG*
		
Šif. 02AC581	**Šif.** 02AC582	**Šif.** 02AC294
KIT ZA VEŠANJE *SUSPENSION KIT*	**KIT ZA PODIZANJE VILJUŠKAROM** *FORK LIFT ADAPTER KIT*	**KIT ZA DVOCEVNO PRIKLJUČENJE SPOLJNOG REZERVOARA ZA DIZEL (l= 5 m) + KIT BRZIH PRIKLJUČAKA** *TWO-PIPE EXTERNAL FUEL TANK CONNECTION KIT (l=5 m) + QUICK CONNECTIONS KIT*
		
Mod. BH 50 **Šif.** 02AC639	**Mod.** BH 50 **Šif.** 02AC640	**Mod.** Dvocevni priključak rezervoara/ *Two-pipe external tank connection kit* **Šif.** 02AC668
Mod. BH 100 **Šif.** 02AC641	**Mod.** BH 100 **Šif.** 02AC642	**Mod.** Komplet brzih priključaka (M+F x 2)/ *Quick connections kit (M+F x 2)* **Šif.** 02AC669
GREJANI FILTER DIZEL GORIVA *PRE-HEATED FUEL FILTER*	**KIT ZA JEDNOCEVNO PRIKLJUČENJE SPOLJNOG REZERVOARA SA ODZRAČIVAČEM** *SINGLE-PIPE EXTERNAL FUEL TANK CONNECTION KIT WITH DE-AERATOR*	**FILTER ZA ODVAJANJE VODE** *ANTI-WATER FILTER*
		
Šif. 02AC548	**Šif.** 02AC633	**Šif.** 02AC634
KIT TAJMERA ZA UKLJUČIVANJE MAŠINA SA ODLOŽENIM I SEKVENCIJALNIM VREMENIMA *DELAYED AND SEQUENTIAL STARTING RELAY*	**PROLAZNA PLOČA** *PASS PLATE*	**KIT PROTIV KONDENZACIJE** *DRAINING KIT*
		
Šif. 02AC586	**Mod.** Ø 150 mm **Šif.** 02AC432	**Mod.** Ø 150 mm T-priključak - *T connection* **Šif.** 02AC459 **Mod.** Ø 150 mm kapa protiv kondenzacije - *antiwater chimeny pot* **Šif.** 02AC460

KIT REGULATORA GASA SA FILTEROM ***GAS REGULATOR KIT WITH FILTER*** **(P.ul MAKS 6 bar)**	**FILTER REGULATOR GASA** ***GAS FILTER REGULATOR*** **(P.ul MAKS 2 bar)**	**FILTER GASA** ***GAS FILTER*** **(P.ul MAKS 2 bar)**
		
Mod. TNG - *LPG* (DN 25 3/4" ili 1") (P.izl. podeš. 30mbar) **Šif.** 03AC619	**Mod.** PRIRODNI GAS - *NATURAL GAS* (DN 25 3/4" ili 1") (P.izl. podeš. 20mbar) **Šif.** 03AC617	**Mod.** BH 50 (DN 20 - 3/4") **Šif.** 03AC600
	Mod. TNG - *LPG* (DN 25 3/4" ili 1") (P.izl. podeš. 30mbar) **Šif.** 03AC618	**Mod.** BH 100 (DN 25 - 1") **Šif.** 03AC603
KIT VENTILA ZA MAKSIMALNI PRITISAK MAX GAS PRESSURE PROTECTION VALVE KIT **(200 mbar)**	**GASNO CREVO SREDNJEG PRITISKA (l = 3 m) + VENTIL ZATVARANJA + PRIKLJUČNI SPOJEVI** ***MEDIUM PRESSURE GAS HOSE (l= 3 m) + GAS VALVE + CONNECTIONS*** **(P. MAKS 5 bar)**	**GASNO CREVO NISKOG PRITISKA (l= 2 m) + VENTIL ZATVARANJA + PRIKLJUČNI SPOJEVI** ***LOW PRESSURE GAS HOSE (l= 2 m) + GAS VALVE + CONNECTIONS*** **(P.ul MAKS 0,5 bar)**
		
Mod. G 3/4" **Šif.** 03AC620	**Mod.** BH 50 Crevo/*Hose* gasno 3/4" **Šif.** 03AC614	**Mod.** BH 50 Crevo/*Hose* gasno 3/4" **Šif.** 03AC611
	Mod. BH 100 Crevo/*Hose* gasno 1" **Šif.** 03AC615	**Mod.** BH 100 Crevo/*Hose* gasno 1" **Šif.** 03AC612

KIT NA ZAHTEV / *KIT ON DEMAND*

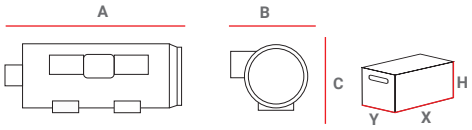


N°	ŠIF.	OPIS - *DESCRIPTION*
-	**02AC918**	KIT DIMNJAKA I SNORKELA *CHIMNEY AND SNORKEL KIT*
1	02AC577	Kanal l= 5 m (Ø 100 mm) *Duct l= 5 m (Ø 100 mm)*
2	02AC793	Zidni prolaz (Ø 100 mm) *Snorkel pass plate (Ø 100 mm)*
3	02AC285	Cev za odvod dima, inox, l= 1m (Ø 150 mm) *Stainless steel exhaust pipe l= 1m (Ø 150 mm)*
4	02AC288	Koleno 90° za odvod dima, inox (Ø 150 mm) *Stainless steel exhaust elbow (Ø 150 mm)*
5	02AC455	Izolovana spojnica *Insulated junction*
6	02AC452	Izolovana prava cev *Insulated straight pipe*
7	02AC453	Izolovana spojnica *Insulated junction*
8	02AC437	Zidna obujmica *Wall support collar*
9	02AC465	Kapa dimnjaka, inox (Ø 150 mm) *Stainless steel chimney pot (Ø 150 mm)*
10	02AC449	Obujmica za cevi (jednozidne) (x7) *Pipe fixing clip (single wall pipe) (x7)*
11	02AC454	Obujmica za cevi (dvozidne) (x3) *Pipe fixing clip (double wall pipe) (x3)*



N°	ŠIF.	OPIS - *DESCRIPTION*
-	**02AC951**	IZOLOVANI KIT DIMNJAKA I SNORKELA *INSULATED CHIMNEY AND SNORKEL KIT*
1	02AC285	Cev za odvod dima, inox, l= 1m (Ø 150 mm) *Stainless steel exhaust pipe l= 1m (Ø 150 mm)*
2	02AC288	Koleno 90° za odvod dima, inox (Ø 150 mm) *Stainless steel exhaust elbow (Ø 150 mm)*
3	02AC945	Priključak snorkela, trostruka izolacija (Ø 250 mm) *Triple insulation snorkel junction (Ø 250 mm)*
4	02AC943	Inox cev, trostruka izolacija l= 1m (Ø 250 mm) *Triple insulation stainless steel pipe l= 1m (Ø 250 mm)*
5	02AC944	Koleno 90° inox, trostruka izolacija (Ø 250 mm) *Triple insulation stainless steel elbow (Ø 250 mm)*
6	02AC946	Zatvorna spojnica *Closing junction*
7	02AC950	Inox cev, trostruka izolacija l= 1m (Ø 150 mm) *Triple insulation stainless steel pipe l= 1m (Ø 150 mm)*
8	02AC947	Kapa dimnjaka protiv vetra, inox (Ø 200 mm) *Stainless steel windproof chimney pot (Ø 200 mm)*
9	02AC478	Zidna obujmica (Ø 250 mm) *Wall support collar (Ø 250 mm)*
10	02AC948	Obujmica za cevi (Ø 250 mm) (x5) *Pipe fixing clip (Ø 250 mm) (x5)*
11	02AC450	Obujmica za cevi (Ø 200 mm) (x3) *Pipe fixing clip (Ø 200 mm) (x3)*
12	02AC949	Kanal l= 1,5 m (Ø 100 mm) *Duct l= 1,5 m (Ø 100 mm)*

BH - VISEĆI GENERATORI TOPLOG VAZDUHA, INDIREKTNO SAGOREVANJE
INDIRECT COMBUSTION SUSPENDED SPACE HEATERS



TEŽINA I DIMENZIJE MAŠINE *WEIGHTS AND DIMENSIONS MACHINE*					PAKOVANJE *PACKAGING*			
MOD	A	B	C	Neto/*Net*	X	Y	H	Bruto/*Gross*
	[mm]	[mm]	[mm]	[kg]	[mm]	[mm]	[mm]	[kg]
BH 50	1.351	625	643	80	1.440	780	761	105
BH 100	1.776	866	768	140	1.830	925	901	158

		BH 50 (DIZEL-*OIL*)	**BH 50** (METAN-*NATURAL GAS*)	**BH 50** (TNG-*LPG*)
šifra - *code*		02BH111	02BH112	02BH113
nom. toplotna snaga - *rated heat power*	Hs [kW] Hs [kcal/h - BTU/h]	49,8 42.869 - 170.619	49,02 42.143 - 168.612	50,02 43.020 - 172.081
korisna toplotna snaga - *output heat power*	Hs [kW] Hs [kcal/h - BTU/h]	45,6 39.225 - 156.116	44,89 38.608 - 154.431	46,25 39.772 - 159.089
iskorišćenje - *heat efficiency*	[%]	91,5	91,6	92,5
protok vazduha - *air flow*	[m³/h]	4.500	4.500	4.500
porast temperature - *temperature rise*	pri 20°C [°C]	53	57	57
potrošnja dizel goriva - *oil consumption*	[kg/h]	3,94	-	-
potrošnja metana - *natural gas consumption G20*	[m³/h]	-	4.500	-
ulazni pritisak - *inlet pressure G20*	[mbar]	-	20	-
potrošnja TNG - *LPG consumption G31*	[m³/h - kg/h]	-	-	1,842 - 3,69
ulazni pritisak - *inlet pressure G31*	[mbar]	-	-	30/37
električna snaga - *power consumption 230V*	[W]	750	680	680
električno napajanje - *electrical power*	[V - ph - Hz]	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
ø dimnjaka - ø flue	[mm]	150	150	150
količina po paleti - *pallet quantities*	[kom - *pcs*]	1	1	1

		BH 100 (DIZEL-*OIL*)	**BH 100** (METAN-*NATURAL GAS*)	**BH 100** (TNG-*LPG*)
šifra - *code*		02BH121	02BH122	02BH123
nom. toplotna snaga - *rated heat power*	Hs [kW] Hs [kcal/h - BTU/h]	99,8 85.869 - 341.757	99,45 85.524 - 342.096	97,24 83.623 - 334.491
korisna toplotna snaga - *output heat power*	Hs [kW] Hs [kcal/h - BTU/h]	89,9 77.282 - 307.581	89,10 76.630 - 306.518	85,54 76.147 - 304.588
iskorišćenje - *heat efficiency*	[%]	90	90	91,1
protok vazduha - *air flow*	[m³/h]	8.500	8.500	8.500
porast temperature - *temperature rise*	pri 20°C [°C]	58	59	59
potrošnja dizel goriva - *oil consumption*	[kg/h]	7,9	-	-
potrošnja metana - *natural gas consumption G20*	[m³/h]	-	9.102	-
ulazni pritisak - *inlet pressure G20*	[mbar]	-	20	-
potrošnja TNG - *LPG consumption G31*	[m³/h - kg/h]	-	-	3,547 - 7,11
ulazni pritisak - *inlet pressure G31*	[mbar]	-	-	30/37
električna snaga - *power consumption 230V*	[W]	1.170	1.150	1.150
električno napajanje - *electrical power*	[V - ph - Hz]	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
ø dimnjaka - ø flue	[mm]	150	150	150
količina po paleti - *pallet quantities*	[kom - *pcs*]	1	1	1

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