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PRO

GTP18V-28



Robert Bosch Power Tools GmbH
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GERMANY

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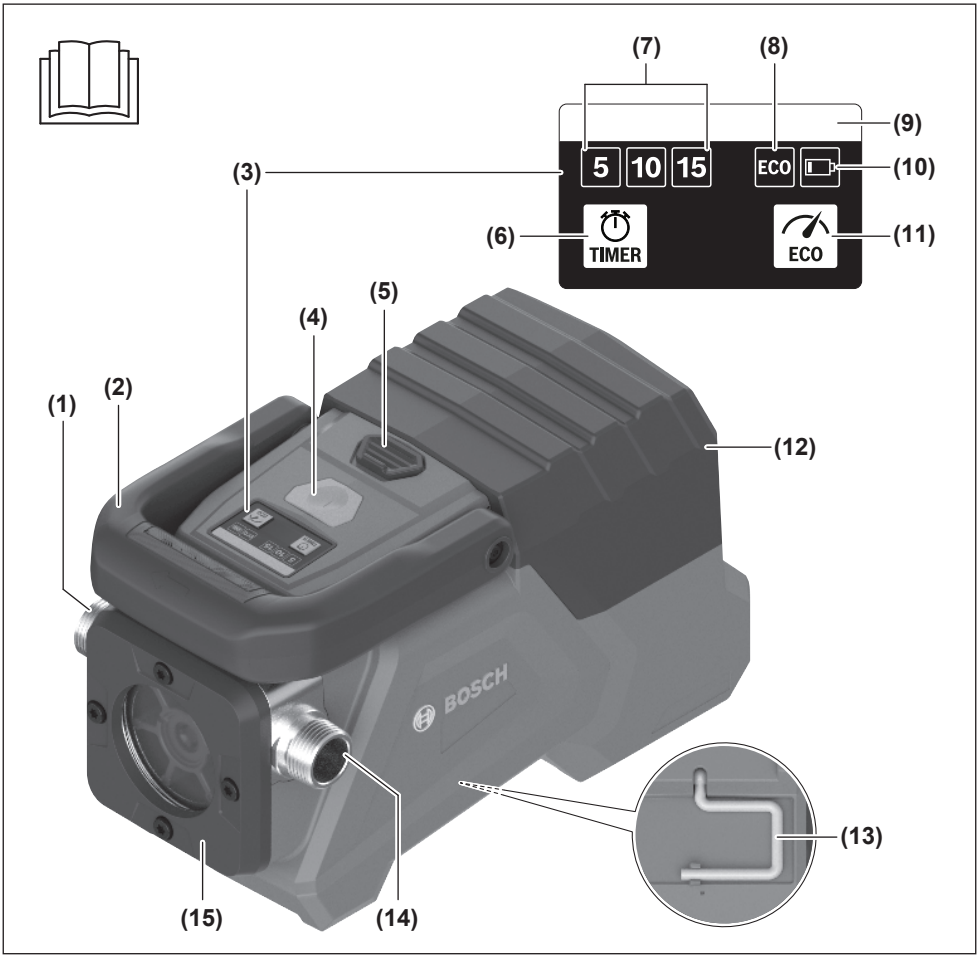
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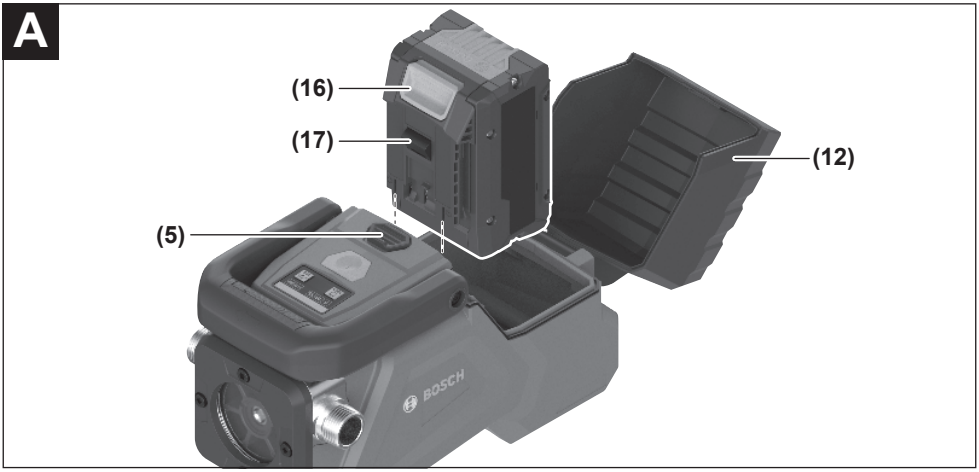
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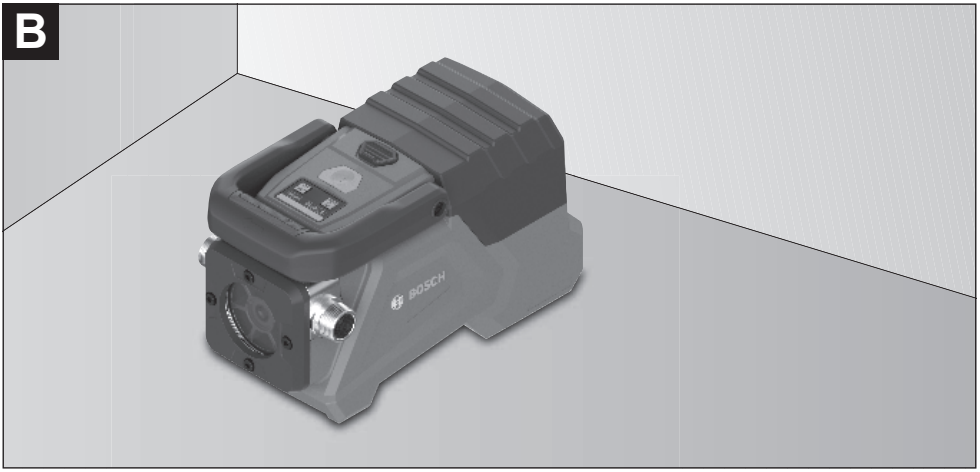
Hrvatski ..... Stranica 5

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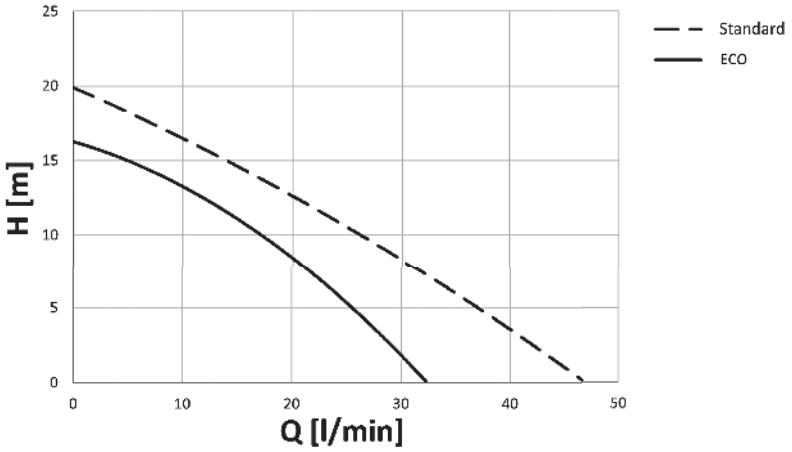

(7)
(8)
(9)
5
10
15
ECO
(10)
(3)
(6)
TIMER
ECO
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(5)
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A
(16)
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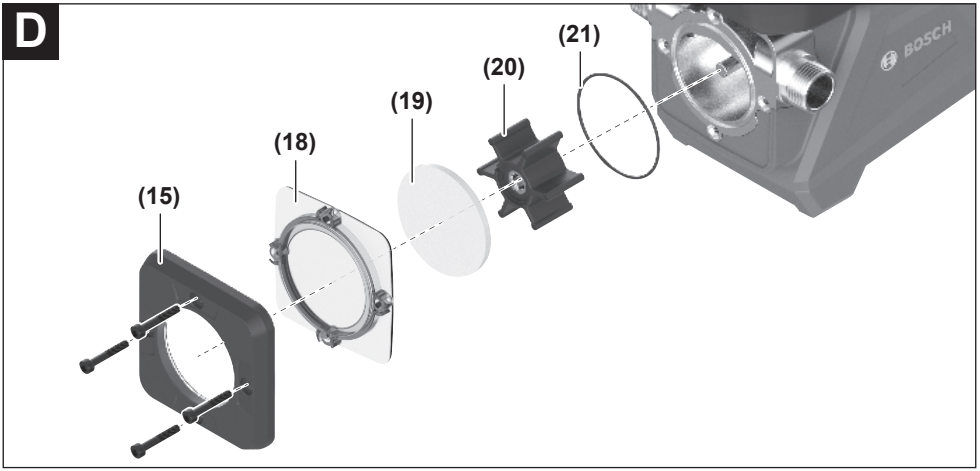
B


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C


25
20
15
10
5
0
H [m]
0
10
20
30
40
50
Q [l/min]
Standard
ECO

D


(15)
(18)
(19)
(20)
(21)
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Hrvatski

Sigurnosne napomene



Treba pročitati sve sigurnosne napomene i upute. Propusti do kojih može doći uslijed nepridržavanja sigurnosnih napomena i uputa mogu uzrokovati električni udar, požar i/ili teške ozljede.

Sačuvajte sve sigurnosne napomene i upute za buduću primjenu.

- ▶ **Djeca moraju biti pod nadzorom.** Na taj način ćete osigurati da se djeca ne igraju s pumpom.
- ▶ **Čišćenje i održavanje pumpe ili punjača ne smiju vršiti djeca bez nadzora.**
- ▶ **Ovu pumpu smiju koristiti djeca starija od 8 godina i osobe s ograničenim fizičkim, osjetilnim ili mentalnim sposobnostima ili osobe s nedostatnim iskustvom i znanjem ako ih nadzire osoba odgovorna za njihovu sigurnost i ako ih uputi u sigurno rukovanje i opasnosti povezane s rukovanjem pumpom.** U suprotnom postoji opasnost od pogrešnog rukovanja i ozljeda.
- ▶ **Ne dopustite rad s pumpom osobama koje nisu s njom upoznate ili koje nisu pročitale upute.**
- ▶ **Pazite da je zatvoren poklopac pretinca za baterije tijekom rada pumpe.** Prodiranje vlage može uzrokovati kratki spoj.
- ▶ **Pumpom ne pumpajte zapaljive ili eksplozivne tekućine, npr. benzin, ulje, alkohol, otapalo. Ne radite s pumpom u prostorijama u kojima postoji opasnost od eksplozije.** Tekućine bi se mogle zapaliti ili eksplodirati.
- ▶ **Ne upotrebljavajte pumpu za prehrambene primjene, npr. pitku vodu.** Maziva mogu onečistiti tekućine.
- ▶ **Ne pumpajte tekućine iz područja gdje se nalaze ljudi. Ako se životinje ili strana tijela nalaze u područjima, upotrebljavajte filtar.** Na taj ćete način izbjeći ozljede ljudi ili životinja.
- ▶ **Izvadite aku-bateriju prije postavljanja ili održavanja pumpe.** Na taj ćete način izbjeći nehotično pokretanje pumpe.



Kućište pumpe može se jako zagrijati tijekom pumpanja vrućih tekućina ili nehotičnim radom na suho. Mogli biste se ozlijediti.

- ▶ **Pumpu držite dalje od vlage.** Pumpa se može oštetiti u slučaju prodiranja vlage.
- ▶ **Ne mijenjajte i ne otvarajte bateriju.** Postoji opasnost od kratkog spoja.
- ▶ **U slučaju oštećenja i nestručne uporabe baterije mogu se pojaviti pare. Baterija se može zapaliti ili eksplodirati.** Dovedite svježi zrak i u slučaju poteškoća zatražite pomoć liječnika. Pare mogu nadražiti dišne puteve.
- ▶ **U slučaju nepravilne primjene ili oštećene baterije iz baterije može iscuriti zapaljiva tekućina. Izbjegavajte kontakt s tom tekućinom. Dođe li do slučajnog kontakta, isperite vodom. Ako ta tekućina dospije u oči, zatražite dodatnu liječničku pomoć.** Istekla tekućina iz aku-baterije može dovesti do nadražaja kože ili opeklina.
- ▶ **Baterija se može oštetiti šiljatim predmetima, kao što su npr. čavao ili odvijač, ili djelovanjem vanjske sile.** Može doći do unutrašnjeg kratkog spoja i aku-baterija može izgorjeti, razviti dim, eksplodirati ili se pregrijati.
- ▶ **Nekorištenu bateriju držite podalje od uredskih spajalica, kovanica, ključeva, čavala, vijaka ili drugih sitnih metalnih predmeta koji bi mogli uzrokovati premošćenje kontakata.** Kratki spoj između kontakata aku-baterije može imati za posljedicu opekline ili požar.
- ▶ **Bateriju koristite samo u proizvodima proizvođača.** Samo na taj način je baterija zaštićena od opasnog preopterećenja.
- ▶ **Baterije punite samo u punjačima koje preporučuje proizvođač.** Za punjač prikladan za određenu vrstu aku-baterije postoji opasnost od požara ako se koristi s nekom drugom aku-baterijom.



Zaštitite aku-bateriju od vrućine, npr. također od stalnog sunčevog zračenja, vatre, prljavštine, vode i vlage. Postoji opasnost od eksplozije i kratkog spoja.

Opis proizvoda i radova

Molimo pogledajte slike na prednjem dijelu priručnika za uporabu.

Namjenska uporaba

Pumpa je namijenjena isključivo za odvođenje čiste vode. Ima funkciju samousisavanja na suho.

Pumpa nije namijenjena za odvođenje tekućina s abrazivnim, korozivnim ili nagrizajućim sastojcima ili slane vode, lužina ili otpadne vode. Ne smije se upotrebljavati za prehrambene proizvode ili u vodama koje sadrže vodeni svijet.

Prikazani dijelovi alata

Numeriranje prikazanih dijelova odnosi se na prikaz pumpe na stranici sa slikama.

(1) Izlaz vode (tlačna strana)
(2) Ručka za nošenje
(3) Korisničko sučelje
(4) Tipka za uključivanje/isključivanje
(5) Tipka za deblokadu poklopca pretinca za aku-bateriju
(6) Tipka Timer (korisničko sučelje)
(7) Indikator timera (Korisničko sučelje)
(8) Indikator Eco načina rada (korisničko sučelje)
(9) Statusna traka (korisničko sučelje)

(10) Indikator slabe aku-baterije (korisničko sučelje)

(11) Tipka za Eco način rada (korisničko sučelje)

(12) Poklopac pretinca za aku-bateriju

(13) Kuka za vješanje

(14) Dovod vode (usisna strana)

(15) Poklopac kućišta pumpe

(16) Tipka za deblokadu aku-baterije[a)]

(17) Aku-baterija[a)]

(18) Međupoklopac

(19) Kontrolni prozorčić

(20) Impeler

(21) Brtveni prsten na kućištu pumpe

a) **Ovaj pribor ne spada u standardni opseg isporuke.**

Tehnički podaci

Pumpa za pretakanje		GTP18V-28
Kataloški broj		**3 601 JR6 0..**
Nazivni napon	V=	18
Kapacitet protoka[A)]		
– Standardni način rada	l/h	2800
– Eco način rada	l/h	1800
Visina prijenosa (standardni način rada)	m	20
Visina usisa (standardni način rada)	m	5
Maks. temperatura vode	°C	60
Navoj priključka crijeva	"	G 3/4
Težina[B)]	kg	2,2
Vrsta zaštite[C)]		IP54
Preporučena temperatura okoline kod punjenja	°C	0 … +35
Dopuštena temperatura okoline pri radu i kod skladištenja	°C	0 … +50
Kompatibilne aku-baterije		GBA18V... GBA 18V... ProCORE18V... EXPERT18V... EXBA18V... CORE18V...
Preporučeni punjači		GAL18... GAL 18... GAL 36... GAL12V/18... GAL 12V/18... GAX 18... EXAL18...

A) izmjereno na 20–25 °C

B) Bez aku-baterije (Težinu aku-baterije naći ćete na internetskoj stranici www.bosch-professional.com)

C) sa zatvorenim poklopcem pretinca za aku-bateriju **(12)** i postavljanjem s korisničkim sučeljem **(3)** prema gore (kao na slici **B**)

Vrijednosti se mogu razlikovati ovisno o proizvodu i ovise o uvjetima primjene i okoline. Dodatne informacije na www.bosch-professional.com/wac.

Informacije o buci

Emisijske vrijednosti buke utvrđene sukladno **EN ISO 20361**.

Razina buke električnog alata prema ocjeni A iznosi obično: razina zvučnog tlaka **73** dB(A) (nesigurnost K = **3** dB); razina zvučne snage **82** dB(A) (nesigurnost K = **5,6** dB).

Nosite zaštitu za uši!

Emisijska vrijednost buke, koja je navedena u ovim uputama, izmjerena je sukladno normiranom postupku mjerenja te se može koristiti za međusobnu usporedbu električnih alata. Prikladna je i za privremenu procjenu emisije buke.

Navedena emisijska vrijednost buke predstavlja glavne primjene električnog alata. Ako se ustvari električni alat koristi za druge primjene s radnim alatima koji odstupaju od navedenih ili se nedovoljno održavaju, emisijska vrijednost buke može odstupati. To može znatno povećati emisije buke tijekom cjelokupnog radnog vijeka.

Za točnu procjenu emisija buke trebaju se uzeti u obzir i vremena, tijekom kojih je alat bio isključen ili je radio, ali se zapravo nije koristio. To može znatno smanjiti emisije buke tijekom cjelokupnog radnog vijeka.

Aku-baterija

Bosch prodaje akumulatorske pumpe i bez aku-baterije. Ako je aku-baterija sadržana u opsegu isporuke vaše pumpe, možete je izvaditi iz ambalaže.

Punjenje aku-baterije

▶ **Koristite samo punjače navedene u tehničkim podacima.** Samo su ovi punjači prilagođeni litij-ionskoj aku-bateriji koja se koristi u vašoj pumpi.

Napomena: Litij-ionske aku-baterije isporučuju se djelomično napunjene zbog međunarodnih propisa o prijevozu. Kako bi se zajamčio puni učinak aku-baterije, prije prve uporabe aku-bateriju napunite do kraja.

Stavljanje i vađenje aku-baterije (vidjeti sliku A)

Gurnite tipku za deblokadu **(5)** od pretinca za aku-bateriju i otvorite poklopac pretinca za aku-bateriju **(12)**.

Umetnite napunjenu aku-bateriju u prihvat aku-baterije sve dok se ne uglavi.

Za vađenje aku-baterije pritisnite tipku za deblokadu aku-baterije i izvucite aku-bateriju. **Pritom ne primjenjujte silu.**

Zatvorite poklopac pretinca za aku-bateriju **(12)** tako da se čujno uglavi.

- ▶ **Pazite da je potpuno zatvoren poklopac pretinca za baterije i da je brtva poklopca pretinca za aku-bateriju ispravna.** U slučaju prodiranja tekućine aku-baterija i pumpa mogu se oštetiti.

Pokazivač stanja napunjenosti aku-baterije

Kada je umetnuta aku-baterija, možete vidjeti stanje napunjenosti aku-baterije na korisničkom sučelju **(3)** (vidi „Prikazi stanja“, Stranica 8), a kada je izvađena aku-baterija, onda možete vidjeti na samoj aku-bateriji.

Pokazivač stanja napunjenosti aku-baterije na aku-bateriji

Ako izvadite aku-bateriju iz pumpe, stanje napunjenosti može se prikazati pomoću zelenih LED pokazivača stanja napunjenosti na aku-bateriji.

Pritisnite tipku za prikaz stanja napunjenosti ili za prikaz stanja napunjenosti.

Ako nakon pritiska na tipku za prikaz stanja napunjenosti ne svijetli LED, aku-baterija je neispravna i mora se zamijeniti.

Napomena: Svaki tip aku-baterije nema pokazivač stanja napunjenosti.

Tip aku-baterije GBA 18V... | GBA18V...



LED	Kapacitet
Stalno svijetli 3 × zelena	60–100 %
Stalno svijetli 2 × zelena	30–60 %
Stalno svijetli 1 × zelena	5–30 %
Treperi 1 × zelena	0–5 %

Tip aku baterije ProCORE18V... | EXPERT18V... | EXBA18V... | CORE18V...



LED	Kapacitet
Stalno svijetli 5 × zelena	80–100 %
Stalno svijetli 4 × zelena	60–80 %
Stalno svijetli 3 × zelena	40–60 %
Stalno svijetli 2 × zelena	20–40 %
Stalno svijetli 1 × zelena	5–20 %
Treperi 1 × zelena	0–5 %

Detekcija rizika od kvara aku-baterije

EXPERT18V... | EXBA18V...

LED diode pokazivača stanja napunjenosti aku-baterije mogu osim stanja napunjenosti aku-baterije pokazati rizik od kvara aku-baterije.

Za aktiviranje funkcije pritisnite i držite pritisnutu tipku za prikaz stanja napunjenosti 3 sekunde. Treperenje pokazivača stanja napunjenosti aku-baterije signalizira analizu aku-baterije. Rezultat će se pokazati na pokazivaču stanja napunjenosti aku-baterije.



1 LED: Aku-baterija ima veliki rizik od kvara. Snaga i vrijeme rada mogu biti već smanjeni. Preporučuje se zamjena aku-baterije.



5 LED: Aku-baterija je u dobrom stanju s malim rizikom od kvara.

Vodite računa o sljedećem: Procjena rizika od kvara aku-baterije funkcionira u dvije faze i nudi pojednostavljenu procjenu stanja. Aku-baterija je ocijenjena u dobrom stanju ili ima povećan rizik od kvara. Ne prikazuje se postotak stanja aku-baterije.

Napomene za optimalno rukovanje aku-baterijom

Zaštitite aku-bateriju od vlage i vode.

Aku-bateriju čuvajte samo u prostoriji u kojoj je raspon temperature od −20 °C do 50 °C. Npr. aku-bateriju ljeti na ostavljajte u automobilu.

Otvore za hlađenje aku-baterije redovito čistite mekim, čistim i suhim kistom.

Bitno skraćenje vremena rada nakon punjenja pokazuje da je aku-baterija istrošena i da je treba zamijeniti.

Pridržavajte se uputa za zbrinjavanje u otpad.

Montaža

- ▶ **Izvadite aku-bateriju prije održavanja ili čišćenja pumpe, namještanja alata, zamjene pribora ili odlaganja pumpe.** Ove mjere opreza sprječavaju nehotično pokretanje pumpe.

Priključivanje crijeva

Napomena: Smjer protoka vode kroz kućište pumpe može se vidjeti na strelici na kućištu i na ručki za nošenje **(2)**.

Za pumpu su vam potrebna dva standardna crijeva s navojnom maticom G 3/4" i najmanjim promjerom od 19 mm.

Za usisnu stranu (priključak crijeva na dovodu **(14)**) potrebno je ojačano crijevo kako bi pumpa ispravno radila. Za optimalan učinak pumpe ovo crijevo mora biti što kraće.

Napomena: Uvijek stavite ravnu brtvu između priključka crijeva pumpe i crijeva. Navoji na pumpi nisu samobrtveći; bez ravne brtve voda može istjecati pod visokim tlakom. Upotrebljavajte samo brtve odgovarajućeg promjera kako biste izbjegli smanjenje protoka.

Rukom uvrnite po jedno crijevo na priključak crijeva dovoda **(14)** i priključak crijeva izlaza **(1)**.

Ako se crijevo može teško uvrnuti, onda provjerite ima li crijevo odgovarajući priključni navoj i može li se crijevo ravno pričvrstiti. Neodgovarajuća crijeva i koso uvrtanje mogu oštetiti navoj na pumpi.

Kako bi pumpa mogla raditi s punim protokom, promjer crijeva ne smije se smanjiti. Stoga ne upotrebljavajte tanja crijeva i brze spojke. Pazite da se crijeva ne saviju ili pritisnu.

Rad

- ▶ **Provjerite da pumpa nije izložena mrazu.**
- ▶ **Pumpa ne smije raditi na suho.** Pumpa se može oštetiti.

Puštanje u rad

Postavljanje/vješanje pumpe (vidjeti slike B–C)

Pri postavljanju s korisničkim sučeljem **(3)** prema gore (kao na slici **B**) pumpa je zaštićena prskanja voda sa svih strana (IP54).

Po potrebi možete objesiti pumpu i s kukom za vješanje **(13)**, onda ova zaštita više nije osigurana.

Po mogućnosti pozicionirajte pumpu tako da je visinska razlika između pumpe, mjesta za uzimanje vode i najviše točke izlaznog crijeva što manja. Što je veća visinska razlika *H*, to je manji mogući protok *Q* (vidjeti karakterističnu krivulju na slici **C**).

Uključivanje/isključivanje

Provjerite nalazi li se otvor usisnog crijeva slobodno u vodi: Ako se crijevo zaglavi za dno ili rub spremnika za vodu, dovod vode se blokira.

Pritisnite tipku za uključivanje/isključivanje **(4)** kako biste **uključili** pumpu i pokrenuli pumpanje.

Ponovno pritisnite tipku za uključivanje/isključivanje **(4)** kako biste završili pumpanje i **isključili** pumpu.

Napomena: Nakon odvođenja tople vode ostavite pumpu da se ohladi najmanje 10 min prije ponovnog uključivanja.

Korisničko sučelje

Korisničko sučelje **(3)** služi:

- za prikaz statusa pumpe
- za upravljanje funkcijom timera
- za uključivanje/isključivanje Eco načina rada

Kada je isključena pumpa, možete aktivirati korisničko sučelje **(3)** tako da pritisnete tipku Timer **(6)** ili tipku za Eco način rada **(11)**. Time se pumpanje neće pokrenuti. Sada možete promijeniti postavke na korisničkom sučelju.

30 s nakon zadnjeg pritiska na tipku ili nakon isključivanja pumpe korisničko sučelje **(3)** se isključuje, a postavke (npr. Eco način rada) se pohranjuju.

5 min nakon zadnjeg pritiska na tipku ili nakon isključivanja pumpe spremljene postavke se brišu. Sve postavke će se odmah izbrisati pri vađenju aku-baterije.

Prikazi stanja

Statusna traka (9)	Indikator slabe aku-baterije (10)	Značenje
Zeleni	–	Pumpa je uključena, kapacitet aku-baterije > 20 %
Narančasti	Narančasti	Slaba aku-baterija (1–20 % kapaciteta)
Narančasti	–	Aku-baterija ili pumpa postaje pretopla
Crveni	Crveni	Prazna aku-baterija (0–1 % kapaciteta), pumpa će se uskoro isključiti
Crveni	–	Aku-baterija ili pumpa je pregrijana; impeler je blokiran; motor je neispravan ili je aku-baterija neispravna

Automatsko isključivanje (timer)

Pumpa se može isključiti automatski pomoću funkcije timera.

Pritišćite tipku Timer **(6)** sve dok na indikatoru timera **(7)** ne počne svijetliti željeno preostalo vrijeme rada (u minutama). Ako se pokrene pumpanje, indikator timera **(7)** treperi i prikazuje preostalo vrijeme rada.

Za prijevremeni završetak funkcije timera pritišćite tipku Timer **(6)** sve dok na indikatoru timera **(7)** više ne svijetli niti jedno polje.

Eco način rada

Možete smanjiti snagu i protok pumpe kako biste produljili vrijeme rada aku-baterije. U tu svrhu pritisnite tipku za Eco način rada **(11)** tako da zasvijetli indikator Eco načina rada **(8)**.

Za završetak Eco načina rada ponovno pritisnite tipku za Eco način rada **(11)** tako da se indikator Eco načina rada **(8)** ugasi.

Uklanjanje smetnji

Uzrok	Uklanjanje
Pumpa se ne može uključiti ili se isključuje automatski (crvena statusna traka).	
Aku-baterija je prazna ili oštećena.	Napunite ili zamijenite aku-bateriju.
Pumpa ili aku-baterija je pregrijana.	Ostavite pumpu ili aku-bateriju da se ohladi prije ponovnog uključivanja pumpe.
	Provjerite je li pumpa preopterećena: Crijevo na izlazu **(1)** mora biti neprekinuto, visina usisa i prijenosa ne smiju biti prevelike.

Uzrok	Uklanjanje
Impeler je blokiran.	Po potrebi očistite impeler **(20)** i kućište pumpe. Zamijenite neispravni impeler.
Motor je neispravan.	Provjeru pumpe prepustite **Bosch** servisu.
Premalo vode se transportira.	
Jedno od crijeva je začepljeno ili oštećeno.	Provjerite jesu li oba crijeva ispravna i neprekinuta. Uklonite začepljenja ili zamijenite oštećena crijeva.
Visina usisa ili visina prijenosa je prevelika.	Postavite pumpu tako da je visinska razlika između pumpe, mjesta za uzimanje vode i najviše točke izlaznog crijeva što manja.
Crijevo nije prikladno (npr. promjer je premali, tkanina crijeva je previše nestabilna).	Upotrebljavajte stabilno crijevo promjera najmanje 19 mm.
Priključak crijeva je propustan.	Upotrebljavajte samo crijeva s navojem G 3/4". Provjerite je li umetnuta ispravna i odgovarajuća ravna brtva između crijeva i priključka crijeva pumpe i jesu li crijeva ispravno pričvršćena.
Impeler je istrošen.	Zamijenite impeler **(20)** i brtveni prsten **(21)**.
Poklopac kućišta pumpe je propustan.	Provjerite postoji li brtveni prsten **(21)**, je li neoštećen i pravilno stavljen. Rukom pritegnite 4 vijka na poklopcu **(15)**.

Održavanje i servisiranje

Održavanje i čišćenje

- ▶ **Izvadite aku-bateriju prije održavanja ili čišćenja pumpe, namještanja alata, zamjene pribora ili odlaganja pumpe.** Ove mjere opreza sprječavaju nehotično pokretanje pumpe.
- ▶ **Pumpu održavajte čistom kako biste mogli dobro i sigurno raditi.**

Zamjena impelera (vidjeti sliku D)

Prije početka rada provjerite impeler **(20)** kroz kontrolni prozorčić u poklopcu **(15)** kućišta pumpe. Ako su na impeleru vidljive pukotine ili rastopljene površine, onda je impeler istrošen i mora se zamijeniti:

- Otpustite 4 vijka na poklopcu **(15)** kućišta pumpe pomoću Torx odvijača veličine T20.
- Skinite poklopac **(15)**, međupoklopac **(18)** i kontrolni prozorčić **(19)**.
- Izvadite impeler **(20)** i brtveni prsten **(21)**.
- Po potrebi očistite kućište pumpe.
- Umetnite novi impeler **(20)** i novi brtveni prsten **(21)**. Upotrebljavajte isključivo dijelove koje je predvidio **Bosch** za ovu pumpu.
- Posebno pazite na ispravan dosjed brtvenog prstena **(21)** u otvoru brtve.
- Stavite kontrolni prozorčić **(19)**, međupoklopac **(18)** i poklopac **(15)** na kućište pumpe.
- Ponovno pričvrstite poklopac **(15)** pomoću 4 vijka. Rukom pritegnite vijke.

Skladištenje pumpe

Prije duljeg skladištenja pumpe preporučuje se čišćenje impelera i kućišta pumpe.

Za demontažu i montažu impelera postupite kao kod zamjene impelera.

Servisna služba i savjeti o uporabi

https://www.bosch-pt.com/serviceaddresses

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U slučaju upita ili naručivanja rezervnih dijelova, molimo vas obavezno navedite 10-znamenkasti kataloški broj s tipske pločice proizvoda.

Zbrinjavanje

Pumpe, aku-baterije, pribor i ambalažu treba dovesti na ekološki prihvatljivo recikliranje.



Pumpe i aku-baterije/baterije ne bacajte u kućni otpad!

Samo za zemlje EU:

Električni i elektronski uređaji ili iskorišteni akumulatori/baterije koji više nisu uporabivi, moraju se odvojene sakupljati i zbrinuti na ekološko prihvatljiv način. Koristite predviđene sustave prikupljanja otpada. Nepravilno zbrinjavanje može biti štetno za okoliš i zdravlje zbog opasnih tvari koje može sadržavati.

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1.5 – NanoPb 0.3.9.9 – Zlib

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1.7 - picolibc 1.8.8

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