

Qty. Description

1 SP 14-31



Note! Product picture may differ from actual product

Product No.: [98901319](#)

Submersible borehole pump, suitable for pumping clean water. Can be installed vertically or horizontally. All steel components are made in stainless steel, EN 1.4301 (AISI 304), that ensures high corrosive resistance. This pump carries drinking water approval.

The pump is fitted with a 7.5 kW MS4000 motor with sand shield, mechanical shaft seal, water-lubricated journal bearings and a volume compensating diaphragm. The motor is a canned type submersible motor offering good mechanical stability and high efficiency. Suitable for temperatures up to 40 °C.

The motor is fitted with the Grundfos Tempcon sensor that, by use of powerline communication together with a MP204 control panel, enables temperature monitoring.

The motor is for direct-on-line starting (DOL).

Liquid:

Pumped liquid:	Water
Liquid max temp:	40 °C
Max liquid t at 0.15 m/sec:	40 °C
Selected liquid temperature:	20 °C
Density:	998.2 kg/m ³

Technical:

Pump speed on which pump data are based:	2900 rpm
Rated flow:	14 m ³ /h
Rated head:	135.5 m
Shaft seal for motor:	HM/CER
Approvals on nameplate:	CE,EAC
Curve tolerance:	ISO9906:2012 3B
Motor version:	T40

Materials:

Pump:	Stainless steel EN 1.4301 AISI 304
Impeller:	Stainless steel EN 1.4301 AISI 304
Motor:	Stainless steel DIN W.-Nr. 1.4301 AISI 304

Installation:

Pump outlet:	Rp2
Motor diameter:	4 inch

Electrical data:

Motor type:	MS4000
Rated power - P2:	7.5 kW
Power (P2) required by pump:	7.5 kW

Qty.	Description
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1	Mains frequency: 50 Hz
	Rated voltage: 3 x 380-400-415 V
	Rated current: 18.4-18.8-19.6 A
	Starting current: 490-530-550 %
	Cos phi - power factor: 0.83-0.78-0.72
	Rated speed: 2830-2850-2870 rpm
	Start. method: direct-on-line
	Enclosure class (IEC 34-5): IP68
	Insulation class (IEC 85): F
	Built-in temp. transmitter: yes
	Motor No: 79195512
	Windings: Enamelled
	Others:
	Minimum efficiency index, MEI \geq : 0.50
	ErP status: EuP Standalone/Prod.
	Net weight: 60.7 kg
	Gross weight: 106 kg
	Shipping volume: 0.412 m ³
	Danish VVS No.: 388461531

Spare parts SP 14-31, Product No. 98901319
Produced After 1438 (production year and week number)

Pos	Description	Annotation	Classification Data	Part no.	Qty.	Unit
-	Bulk, Impeller 10 pcs			98767040	1	pcs
11	Nut					10
12	Split cone					10
13	Impeller cpl.					10
-	Bulk, Impeller 25 pcs			98767052	1	pcs
11	Nut					25
12	Split cone					25
13	Impeller cpl.					25
-	Bulk, Impeller 5 pcs			98767028	1	pcs
11	Nut					5
12	Split cone					5
13	Impeller cpl.					5
-	Kit, Non-return valve			98766949	1	pcs
	Lock ring					1
2	Valve cone					1
3a	Valve					1
3	Valve seat					1
70	Valve guide					1
-	Kit, Wear parts 1 Stg			98766927	1	pcs
3	Valve seat					1
7	Seal ring					2
8	Bearing					1
-	Kit, Wear parts 10 Stg			98766939	1	pcs
3	Valve seat					1
7	Seal ring					11
8	Bearing					10
-	Kit, Wear parts 25 Stg			98766945	1	pcs
3	Valve seat					1
7	Seal ring					26
8	Bearing					25
-	Kit, Wear parts 5 Stg			98766933	1	pcs
3	Valve seat					1
7	Seal ring					6
8	Bearing					5
-	Kit, Wear parts 50 Stg			98766947	1	pcs
3	Valve seat					1
7	Seal ring					51
8	Bearing					50
-	Motor			96652105	1	pcs
-	Kit, Bearing			96558249	1	
3	Thrust ring support cpl.					
6	Thrust bearing					
7	Lock ring					
10	Bearing retainer					
11	Adjusting screw					
13	End shield					
15	Nut					
16	Lock washer					
18	Nut		Thread: M8 DIN 934			
-	Kit, Bearing			96558322	1	
4	Radial bearing					
5	Bearing pipe					
-	Kit, Gaskets			96558323	1	

Pos	Description	Annotation	Classification Data	Part no.	Qty.	Unit
12	Diaphragm					
22c	O-ring		Diameter: 4			
			Material type: NBR			
			Thickness: 1			
24a	Support					
24	O-ring		Diameter: 40			
			Material type: NBR			
			Thickness: 2			
25	Shaft seal housing					
27	Spline protector					
29	Sand shield					
30	Compression spring					
31	Supporting ring					
32	Seal ring					
33	O-ring		Diameter: 14,1			
			Material type: FKM			
			Thickness: 1,62			
- 34	Seal ring					
	Seal ring, rotating					
	Seal ring					
33	O-ring		Diameter: 16			
			Material type: VITON			
			Thickness: 2.5			
-	Kit, Staybolts			96558242	1	
21	Nut		Thread: M8X1,25			
22c	O-ring		Diameter: 4			
			Material type: NBR			
			Thickness: 1			
22b	Cheese head screw					
22.a	Staybolt		Thread: M8 X M8			
22	Staybolt					
-	Motor liquid			00795896	1	
	Motor liquid					
2	Shaft w/rotor			98980883	1	
3	Thrust ring support cpl.			96550654	1	
13	End shield			96550581	1	
25	Shaft seal housing			99794121	1	
27	Spline protector			96590821	1	
29	Sand shield			96590819	1	
30	Compression spring			96590786	1	
34	Seal ring			99470722	1	
1	Valve casing			98766963	1	pcs
2	Valve cone			96550791	1	pcs
6	Upthrust bearing			98766983	1	pcs
8	Bearing			99925043	1	pcs
9	Chamber cpl.			98767004	1	pcs
9	Chamber cpl.			98767010	1	pcs
9	Chamber cpl.			98767016	1	pcs
11	Nut			96551310	1	pcs
12	Split cone			99312620	1	pcs
14	Suction interconnector			98766984	1	pcs
15	Strainer			98766969	1	pcs
16	Shaft cpl.			98766535	1	pcs
17	Strap cpl.			98766708	4	pcs
18f	Bracket			99156147	2	pcs
18	Cable guard			99713559	1	pcs
20	Motor cable		Length (M): 2,5M	95920910	1	pcs