



## Submersible Pump

# FAVORIT

## APPLICATION

These pumps are destined for pumping fresh and polluted water. It is a great advantage to use them for pumping from surface and undersurface sources – from rivers, ponds, tanks, sumps, cellars, water wells.

They can be used for water circulation and aeration in pools, ponds and decorated vessels, they are suitable for fountains and artificial water streams, for spraying and irrigation of gardens, lawns, and so on.

Max. temperature of a pumped liquid..... 40°C

Value pH ranging..... from 5.5 to 14 pH

Max. submersion in a pumped liquid ..... 10 m

Besides vertical working position these pumps can be operated also in their horizontal and/or inclined positions.

Thanks to their dimensions, simple service and easy handling these pumps can meet claims of the widest spectrum of consumers.

This pump set shall not be used in explosion hazard environments!

## MATERIAL OPTIONS

Main parts of these pumps are of the following construction materials:

Pump jacket, impellers, shaft - stainless steel

Connecting parts - stainless steel  
(FAVORIT, FAVORIT D)

or carbon steel with surface finish treatment (FAVORIT MINI)

Bearing housings (in contact with a pumped liquid)

- stainless steel  
(FAVORIT, FAVORIT D)
- grey cast iron  
(FAVORIT MINI)

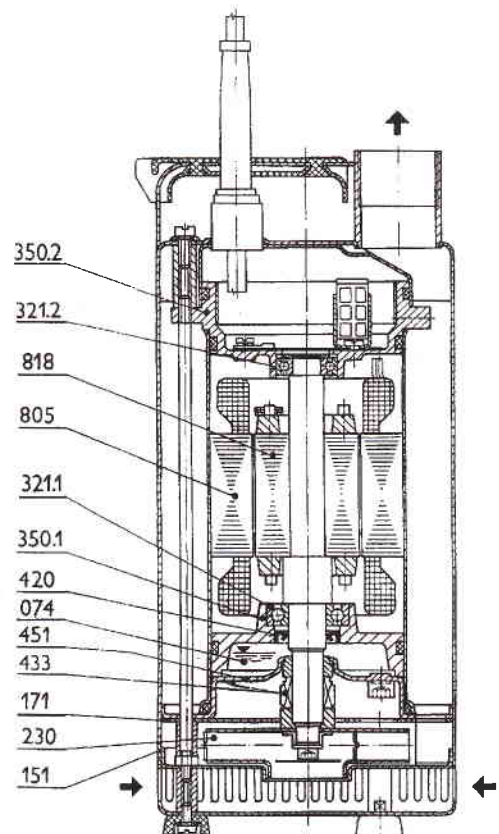
## ACCESSORIES AND EQUIPMENT

1. Connecting cable in length of 10 m.
2. Plug – type 5537 (single-phase version)
3. Float-type switchgear for automatic operation (single-phase version)

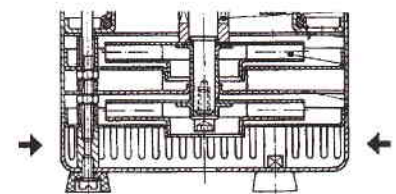
The pump in its single-phase version is provided with self-acting thermal cut-outs in its electric motor winding – it is not necessary to use a circuit-breaker.

Protection of the pump in its three-phase version is to be provided according to the instructions given in the Service Manual.

**THIS PRODUCT POSES NO DANGER TO ENVIRONMENT**



Single-stage version

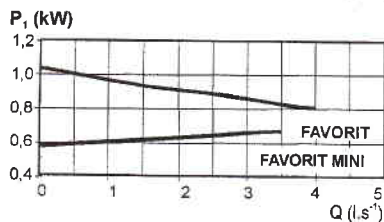
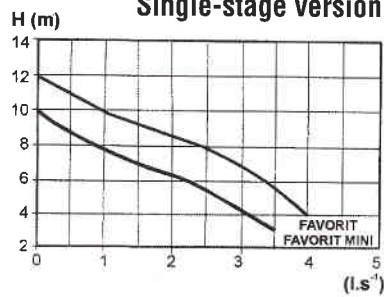


Two-stage version

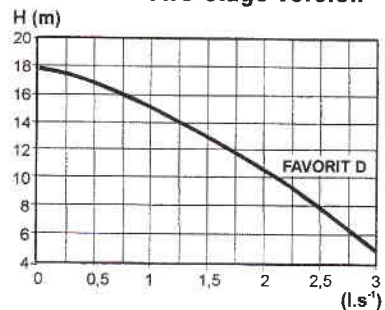
Numbering positions according to the DIN 24 250

- 074 - Oil charge /environmental friendly/
- 151 - Jacket
- 171 - Guide-vane diffuser
- 230 - Impeller
- 321.1 - Lower bearing
- 321.2 - Upper bearing
- 350.1 - Lower bearing housing
- 350.2 - Upper bearing housing
- 420 - Radial lip seal ring „gufero“
- 433 - Mechanical seal
- 451 - Stuffing box housing
- 805 - Stator
- 818 - Rotor

### Single-stage version



### Two-stage version

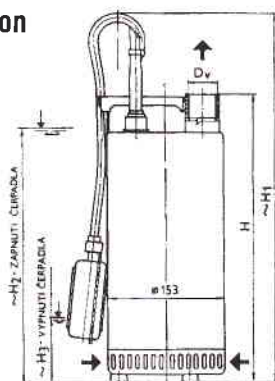


## Technical data

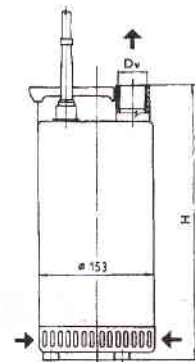
Typ		FAVORIT MINI (40-GFPU-105-8)	FAVORIT (40-GFPU-105-15)	FAVORIT D (40-GFPU-105-8-2)		
Pump		Single-stage	Single-stage	Two-stage		
Impeller		Shrouded two-vane				
Pump clearness – throughput rate	Ø (mm)	4	4	4		
Electric motor		Definite-purpose motor				
Motor rated output	P <sub>2</sub> (kW)	0.25	0.55			
Insulation and protection		Classe F; IP 68 $\nabla$ 10 m				
Voltage	U (V)	230	230	400	230	400
Frequency	f (Hz)	50	50			
Number of phases		1	1	3	1	3
Breaking / tripping current, max.	I (A)	3.3	4.4	1.5	5.9	2.1
Capacitor	C (µF)	20	16	-	16	-
Speed	n (min <sup>-1</sup> )	2,840	2,840	2,800	2,840	2,800
Connecting cable H07 RN-F		3x1	3x1	4x1	3x1	4x1
Weight, including cable	m (kg)	9.5	13	12	14	13

These pumps are produced in various versions of voltage, with frequency of 50HZ and 60HZ. It is necessary to reach agreement with the Producer.

### Single-phase version



### Three-phase version



## DIMENSIONS

TYPE	Number of stages	Dv		H		~ H <sub>1</sub>	~ H <sub>2</sub>	~ H <sub>3</sub>
		1PH	3PH	1PH	3PH	1PH		
FAVORIT MINI	1	1 1/4"	-	310	-	420	300	40
FAVORIT	1	1 1/4"	1 1/4"	370	355	480	320	80
FAVORIT D	2	1 1/4"	1 1/4"	380	365	490	320	80

**SIGMA 1868 spol. s r. o.**

J. Sigmunda 79  
783 50 Lutín  
Czech Republic



tel.: +420 585 651 337  
fax: +420 585 651 339  
www.sigma1868.cz  
www.sigmapumpy.com