



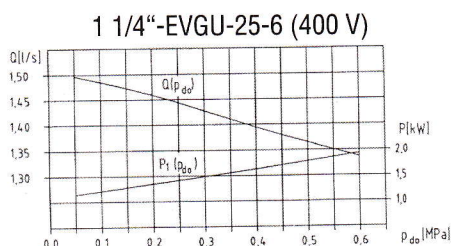
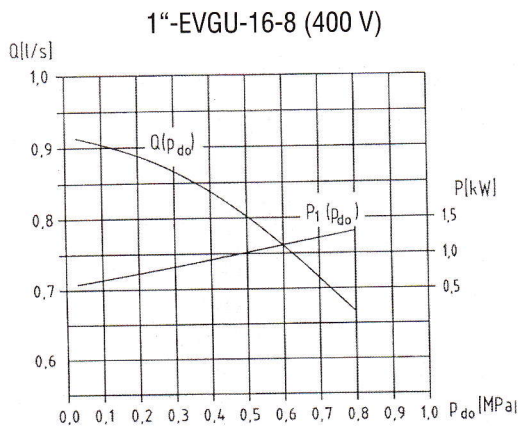
Application

Submersible pump set EVGU is destined for pumping potable and service water up to temperature of 35°C and acidity ranging from 6.5 to 12 pH. Practical application of the pump set EVGU is namely for underground pumping from depths bigger than 8m. Thanks to small dimensions this pump set can be placed into bore holes. Besides its standard vertical installation the pump set can work in its horizontal position in case of too low water level in a source on condition that a filler plug is directed upwards and motor winding is fully flooded with clean water. The pump set is applicable to construction of water piping in one-family houses, weekend and summer houses, crèches & kindergartens, or community centres, plant premises and outbuildings, both for water supply and for spray irrigation and watering gardens, carpet beds and parks, sportgrounds, and so on.

Design

Pump set EVGU consists of a submersible electric motor and a progressive cavity pump of very simple design, with minimum number of parts. As the main part of the pump there is a stator with rubber cartridge in the form of double-start round thread in the cavity of which the helix with a single-start thread rotates

Pump informative selection chart



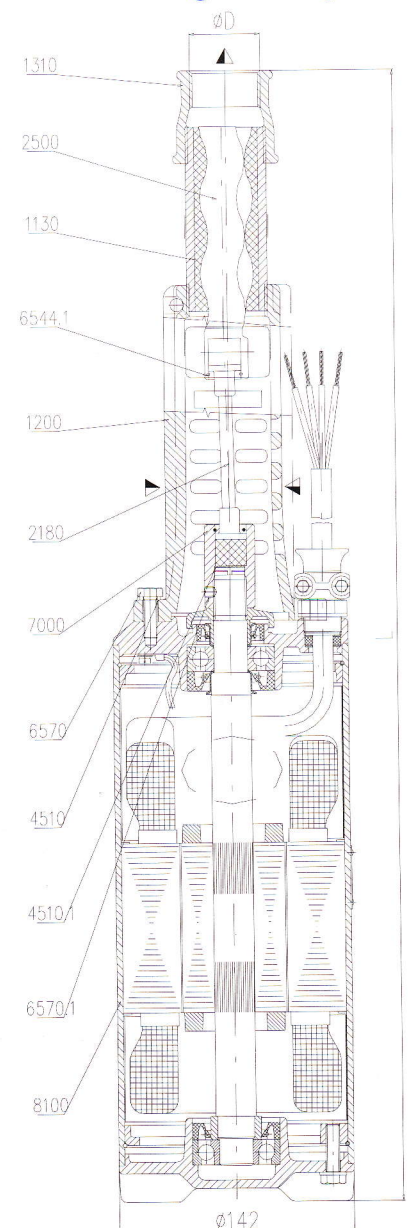
Material Options

Pump main parts are made of the following constructional materials:

Suction casing	- grey cast iron
Discharge casing	- malleable cast iron
Helix	- corrosion-proof steel
Connection rod	- corrosion-proof steel
Coupling	- carbon steel
Stator	- steel and rubber

Informative Section through Pump

- 700 - Coupling
- 1130 - Stator
- 1200 - Suction casing
- 1310 - Delivery branch
- 2180 - Connection rod
- 2500 - Helix
- 6544.1 - Retaining ring
- 7000 - Coupling
- 6570 - Bolt M8x25
- 4510 - Washer
- 4510.1 - Washer
- 6570.1 - Bolt M6x8
- 8100 - Electric motor



Performance data

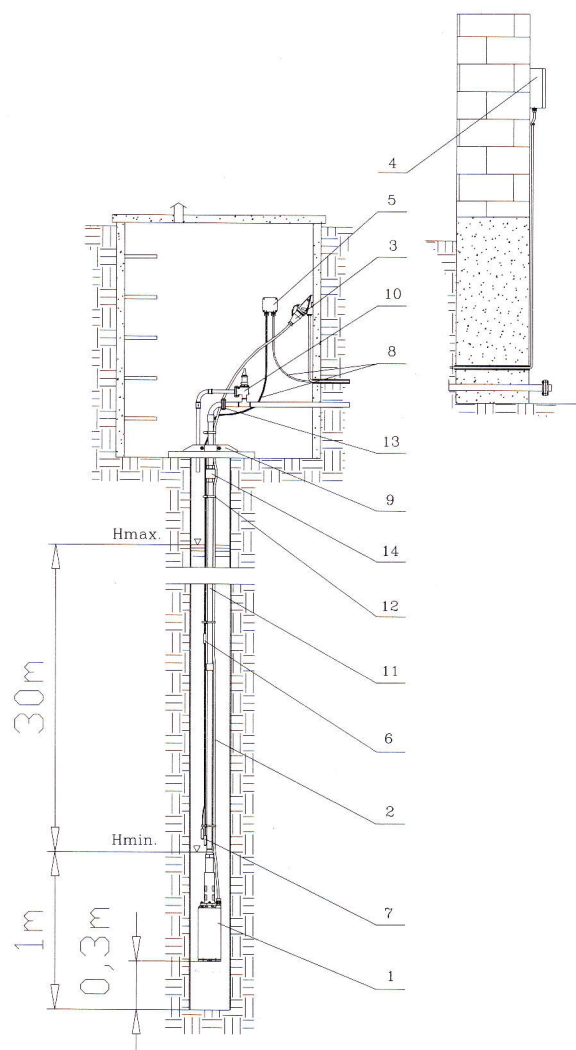
Pump set		1"-EVGU-16-8-GU-080	1 1/4"-EVGU-25-6-GU-080
Max. delivery pressure	P_{do} (MPa)	0,8	0,6
Delivery head	H_{max} (m)	80	60
Rate of flow	Q_r (l.s ⁻¹)	0,65	1,3
Discharge connection diameter	$\varnothing D$	G1"	G 1 1/4"
Electric motor		1-P60-112-01	1P60-112-06
Rated motor output	P (kW)	1,1	2,2
Speed	n (min ⁻¹)	2810	2820
Voltage	U (V)	400	400
Frequency	f (Hz)	50	50
Motor current	i (A)	3,4	6,4
Connecting cable	(mm ²)	4 x 1,5	4 x 1,5
Cable length (as required)	(m)	25; 35; 50	25; 35; 50
Pump set outside diameter	(mm)	142	142
Pump set height	L (mm)	680	748
Min. diameter of bore hole (well)	(mm)	150	150
Pump set max. submersion under water level	(m)	30	30
Pump set weight, including 1m of cable	(kg)	21	32

Arrangement Version

- 1 - PUMP
- 2 - POWER CABLE
- 3 - PLUG, SOCKET
- 4 - PROTECTION AND CONTROL CABINET
- 5 - DISTRIBUTION BOX
- 6 - PROBE OF UPPER WATER LEVEL
- 7 - PROBES OF LOWER WATER LEVEL
- 8 - CABLES OF WATER LEVEL CONTROLLER
- 9 - CARRYING CLIP
- 10 - SAFETY VALVE
- 11 - DELIVERY PIPELINE
- 12 - CLAMPING STRIP
- 13 - FLANGE
- 14 - NON-RETURN FLAP VALVE

Position 2 is delivered together with the pump set as its standard accessories.

In case of using current protection to ensure enhanced protection from dangerous touch voltage it is necessary to use an earth-leakage circuit breaker with time delay 10ms, at least (Designation G, or S).



ENVIRONMENT FRIENDLY PRODUCT

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