

3. Technical Data

3.2 System control

The control is determined by a float switch installed in the tank.

3.3 Float valve

Operating temperature	30 °C max.
Operating pressure	0.3 – 4.5 bar (if there is too strong water pressure a pressure reducer must be installed!)
Flow rate max.	1.7 m ³ /h
Connections	³ / ₄ " OUTSIDE THREAD

3.4 3 way switch-over valve

Voltage / Frequency	230 V / 50Hz
Output	6 W (bei Ventilbewegung)
Flow rate max.	16 m ³ /h
Opening time	ca. 10 sek
Close time	ca. 5 sek
Pressure max.	10 bar
Allowable pressure differential	0.7 bar

3.5 Pressure and flow rate sensor „Controlmatic“

Voltage / Frequency	230 V / 50 Hz
Protection classification	IP 44
Flow rate max.	10 m ³ /h
Flow rate min.	0,1 m ³ /h
Operating pressure max.	10 bar
Opening pressure min.	1.5 bar
Opening pressure max.	2.6 bar

Restarting after dry running the pump is possible by means of the "RESET" button.

If there is a water pressure hammering in the system due to the rapid closing of valves (e.g. solenoid valve in the high pressure cleaner) then please contact the GRAF Company.

3.6 Pump

Drive unit	Single phase AC motor 220 – 240 V / 50 Hz with integrated overload protection IP 44, isolation class F.
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3.6.1 Mains water back-up console 15/4

Power consumption	660 W
Pump head height max.	35 m
Pressure max.	3.5 bar
Pump discharge rate max.	3600 l/h (see also diagram 2)
Suction height max.	3 m
Suction length max.	15 m

Concerning suction height as a function of the suction length see also diagram 1.

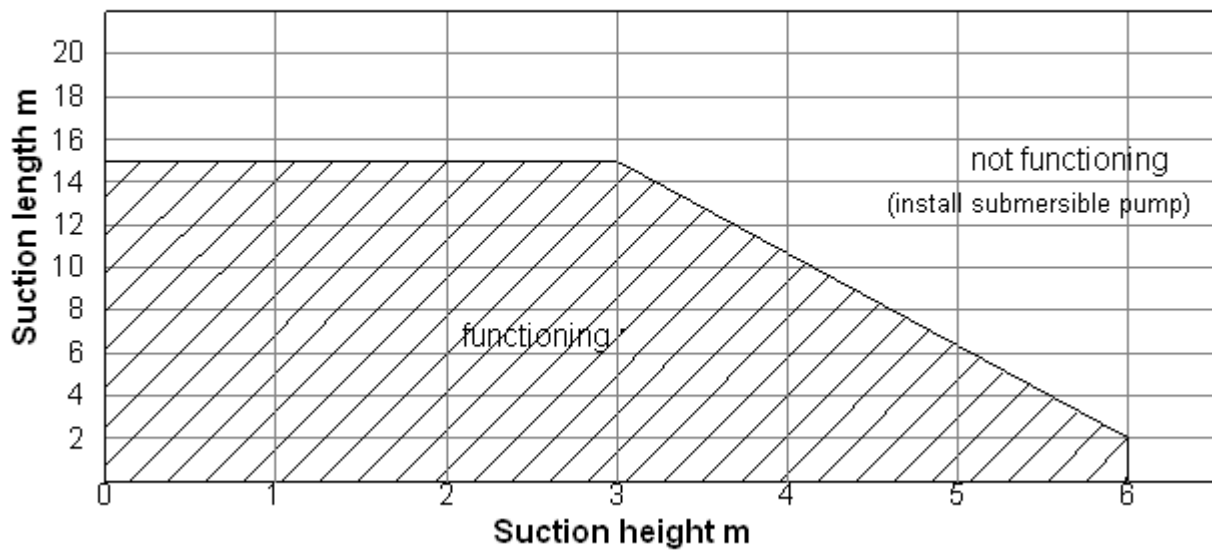
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3.6.2 Mains water back-up console 25/4

Power consumption	800 W
Pump head height max.	43 m
Pressure max.	4,3 bar
Pump discharge rate max.	4200 l/h (see also Diagramm 2)
Suction height max.	3 m
Suction length max.	15 m

Concerning suction height as a function of the suction length see also diagram 1.

Suction height in relation to the suction length



Pump discharge rate in relation to pump head height

