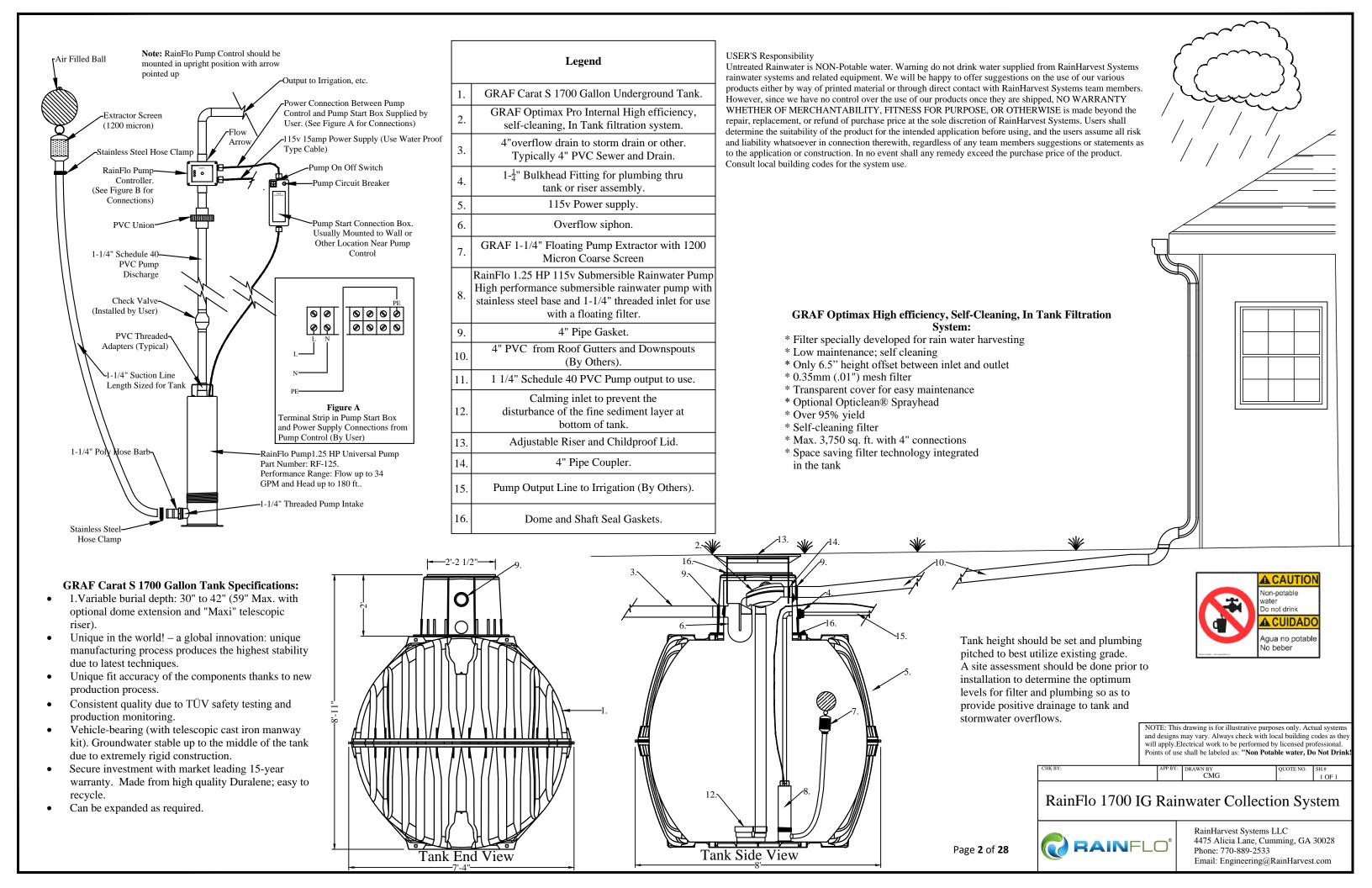


4475 Alicia Lane Cumming, GA 30028 770-889-2533 Sales@RainHarvest.com

Rainwater Harvesting Systems Submittal For:

RainFlo 1700 IG

Complete Rainwater Harvesting System



STORAGE TANK





Graf Carat-S Rainwater Tanks

The new generation of Carat rainwater underground tanks has been specially developed for rainwater harvesting

The Carat-S Underground Tank:

The lineup consists of four modular tank units ranging from 700 gallons to 1,700 gallons which are expandable up to thousands of gallons. The precision, modular, and ultra-high strength design of the Carat-S makes it the choice of professionals worldwide. The Graf Carat tank is guaranteed not to collapse when empty when installed per the manufacturer's specifications.

Carat-S Rainwater Tank Features:

- 15 Year manufacturer's warranty
- Suitable for vehicle loading (when combined with the cast iron lid option)
- Variable installation depth with doublesealed telescopic riser
- Convenient 31-1/2" manway opening
- Attractive locking green lid
- Internal pre-filtration option
- Easy to transport and install
- Ultra-high strength materials and design
- Frost-proof installation underground
- Groundwater stable to the middle of the tank

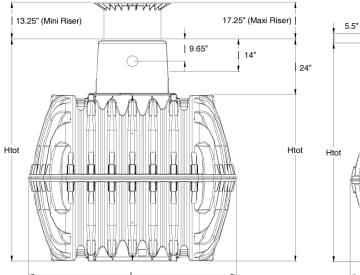
Internal Filter Package Option:

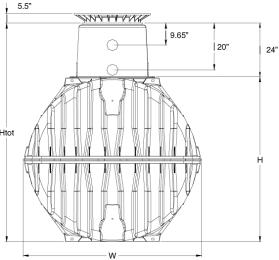
Specially designed for rainwater harvesting, the Graf Optimax Pro® internal self-cleaning filter uses patented filter technology to filter debris from roof areas up to 3,750 sq. ft.

- Greatly simplified installation
- Only one manway and lid in the yard
- Provides over 95% water yield
- Self-cleaning
- Very low maintenance

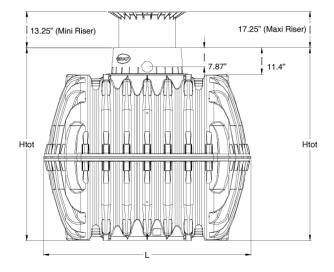


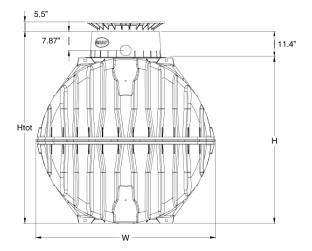
Dimensions with Maxi Tank Dome:





Dimensions with Mini Tank Dome:





Tank	700 US Gallons	1000 US Gallons	1250 US Gallons	1700 US Gallons	1700 US Gallons (Expansion Tank)	
Part No.	372001	372002	372003	372004	372014	
Weight	265 lb.	331 lb.	408 lb.	485 lb.	485 lb.	
L	82"	90"	90"	<mark>94"</mark>	94"	
W	62"	69"	78"	<mark>86"</mark>	86"	
Н	55"	62.5"	71.5"	<mark>82.5"</mark>	82.5"	
Htot*	79"	86.5"	95.5"	106.5"	NA	
Htot**	66"	73.5"	82.5"	<mark>93.5"</mark>	NA	

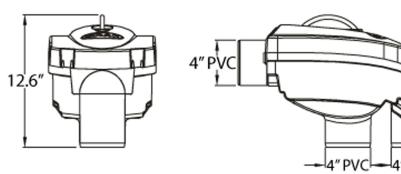
*Htot = total height **with Mini Tank Dome. Deeper burial depths can be achieved using optional extension rings

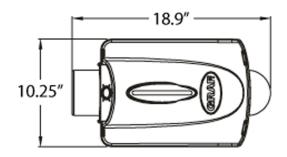
RAINWATER PRE-FILTER



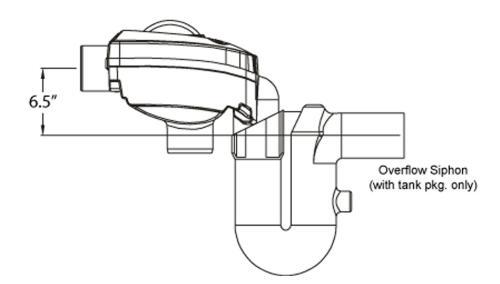
US Adaptation by RainHarvest Systems

Dimensions:





PV

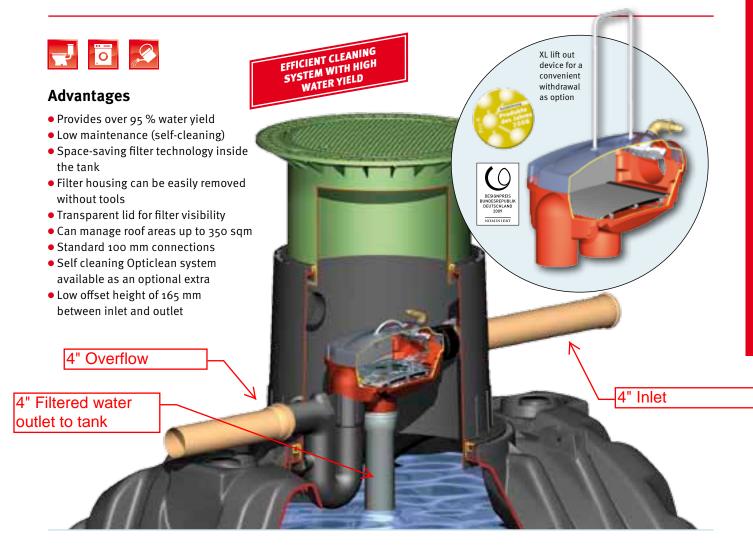


Otto Graf GmbH Kunststofferzeugnisse 79331 Teningen Carl-Zeiss-Str. 2-6 Telefon 07641/589-0 Telefax 07641/589-50 Email: info@graf-online.de www.graf-online.de RainHarvest Systems, LLC 6075 Parkway North Drive Cumming, GA 30040 Tel: 770-889-2533 Fax: 770-889-2577 Page **7** of **28** www.RainHarvest.com

Internal filter technology

Optimax Pro, self-cleaning Filter





Optimax-Pro Filter internal Order no. 340037

Accessories

Cleaning unit Opticlean® internal without hose Order no. 340040

Quick assembly sleeve Spannfix patented (Page 47) Order no. 340502

XL lift out device

for a convenient withdrawal of filter cover and filter insert, length 505 mm Order no. 330220

Q Webcode G2102

Cleaning unit Opticlean®

- Very intense water jet for cleaning the filter sieve
- Routine maintenance intervals are kept to a minimum
- An automatic activation of the cleaning unit is carried out together with the automatic filter cleaning unit and the Aqua-Center-Silentio



Filter cartridge

Very smooth surface and, therefore, max. self cleaning, mesh width 0.35 mm (0,01")



Connecting dimensions

for telescopic dome shaft

Dome shaft	Tank overflow	Emergency overflow				
Mini	495-695 mm	660-860 mm				
Mini	19.5-27.4"	25.9-33.9"				
Maxi	495-795 mm	660-960 mm				
Maxi	19.5-31.3"	25.9-37.8"				

All dimensions are calculated middle of connection until earth top edge

RAINWATER PUMPING SYSTEM



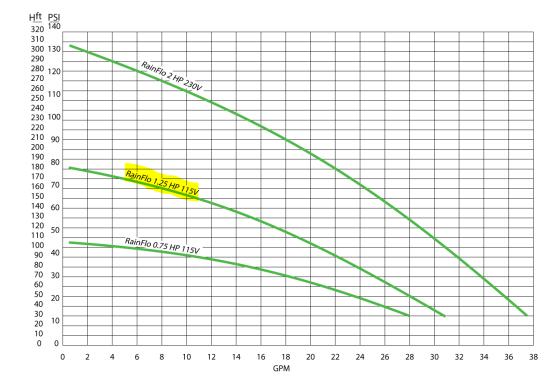
Universal Rainwater Pumps

High performance multi-stage rainwater pumps for residential, commercial, and lightindustrial rainwater collection systems.

Submersible and External Mounted Capability:

RainFlo universal pumps are specially designed for the unique requirements of rainwater collection systems. Equipped with a large threaded bottom inlet large for internal flow-based cooling and connection to a floating filter, these pumps can be installed vertically or horizontally and they can either be submersed inside a tank or mounted externally on the ground or other platform. Other features include a stainless steel base, adjustable float switch for run-dry protection, external capacitor housed in a wiring box with circuit breaker and master on/off switch for long life and ease of maintenance.





Pump Performance:

Durable, Dependable and High Performance:

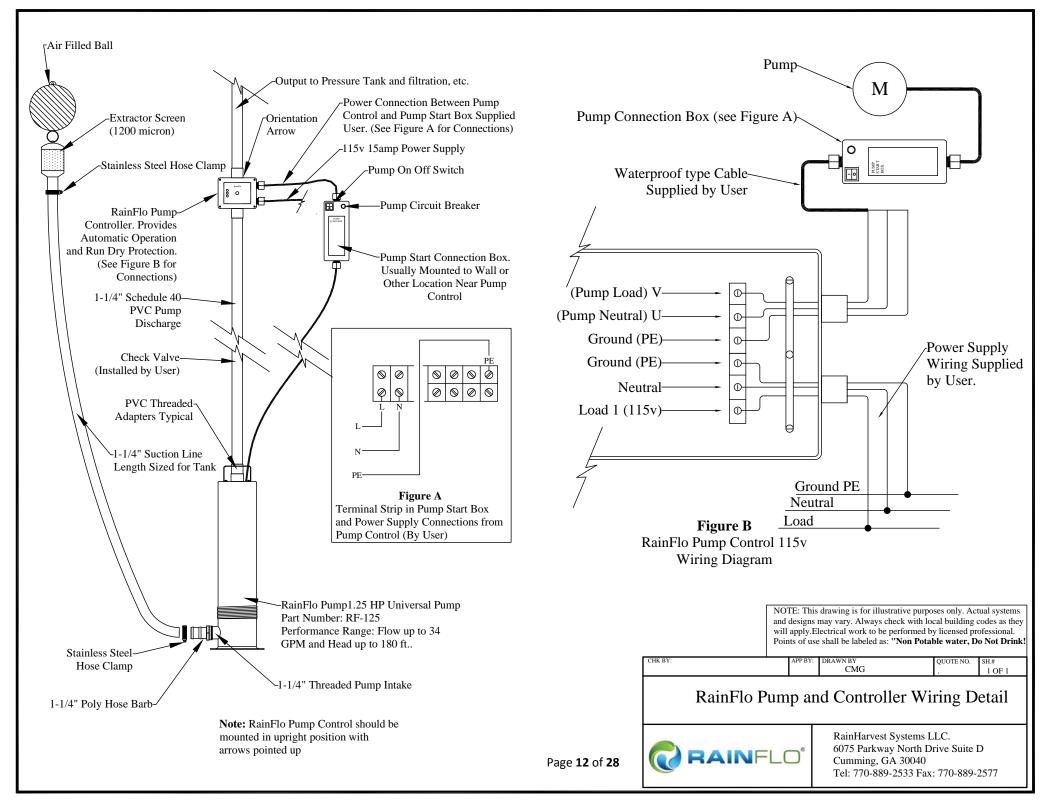
Available in 0.75HP/115V, 1.25HP/115V and 2.0HP/230V models, construction consists of 304 stainless steel housings, dual Italian mechanical seals, American thermal protection, GE-Noryl diffuser and impellers, external starting capacitor and a 45 foot power cord. The pump is particularly quiet and durable from its solid construction. The water end is installed under the motor which keeps the motor cooled with the pumped water. The Noryl impellers and diffusers offer high abrasion resistance while the Italian double mechanical seals ensure long life and enhanced reliability.

The oil chamber is filled with non-toxic cooling oil. Ball bearings are self-lubricating and internal cast iron components are electrocoated with polybutadiene varnish to prevent corrosion which is sometimes associated with the typical lower pH of rainwate r.

Installation may be oriented either vertical or horizontal so long as water is available at the intake to prevent a rundry condition.

Specifications:

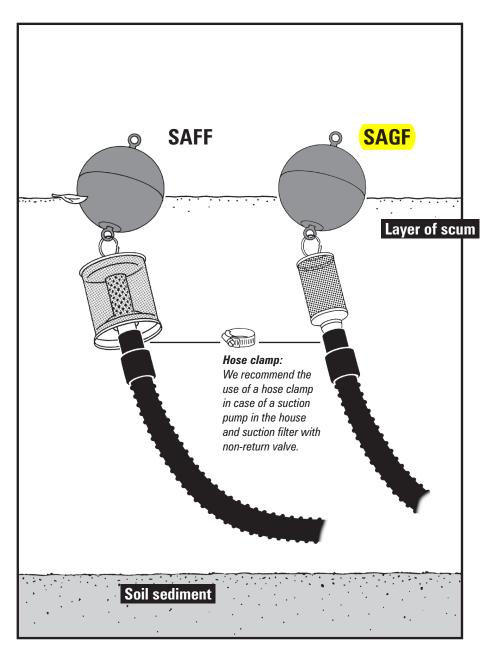
RainFlo Submersible	Pumps		
Model No.	RF075-S	RF125-S & SC	RF200-S
Horsepower:	0.75	1.25	2.0
Nominal Voltage Range:	115V, 60Hz, 8.6A max.	115V, 60Hz, 14A max	230V, 60Hz, 9A max.
P1kW:	1.0	1.24	2.3
P2kW:	0.6	0.95	1.6
Impeller stages:	2	<mark>3</mark>	5
Maximum flow:	29 GPM	34 GPM	36 GPM
GPM at 50 psi (0 Head):	See Curve	17 GPM	29 GPM
GPM at 40 psi (0 Head):	8 GPM	22 GPM	31 GPM
Maximum head:	105' TDH	(180' TDH)	310' TDH
System pressure:	Up to 46 PSI	Up to 78 PSI	Up to 135 PSI
Inlet/Outlet size:	1-1/4" FPT	1-1/4" FPT	1-1/4" FPT
Weight:	36 Lbs.	41 Lbs.	46 Lbs.
Dimensions:	7" X 7" X 20"(incl. base)	7" X 7" X 22" (incl. base)	7" X 7" X 24" (incl. base)
Thermal protection:	Yes	Yes	Yes
Motor:	2-pole induction, Continuous duty	Same	Same
RPM:	3450	3450	3450
Cooling:	Water cooled/intake	Water cooled/intake	Water cooled/intake
Insulation class:	F	F	F
Protection:	IP68	IP68	IP68
Certifications:	CE	CE	CE
Warranty:	1 Year	1 Year	1 Year





Floating suction filters

With or without non-return valve



	SAFF		SAGF	
Connection	Filter	Ø Floating	Filter	Ø Floating
	surface	ball	surface	ball
1"	380 cm ²	15 cm	165 cm ²	15 cm
1½ "	380 cm ²	<mark>15 cm</mark>	165 cm ²	<mark>15 cm</mark>
1 ¹ / ₂ "	800 cm ²	22 cm	380 cm ²	15 cm
2"	1100 cm ²	22 cm	380 cm ²	15 cm

Floating <u>fine</u> suction filters (SAFF)

For the extraction of rainwater out of cisterns, tanks or ponds and wells.

Mesh size of the fine filter: 0,3 mm.

Floating <u>coarse</u> suction filters (SAGF)

For the extraction of clean, already filtered, rainwater out of cisterns and others tanks.

Mesh size if the coarse filter: <u>1,2 mm</u>.

Floating ball of polyethylene. Filter housing and easy fit hose nozzle of stainless-steel. With or without non-return valve.



The suction filters

They consist of a fine or coarse filter mesh with a large surface of stainlesssteel.

The use of the SAFF or the SAGF increases the working safety of the whole rainwater installation.

The abrasion of the pump is reduced as well as the contamination of the valves in case of suction and pressure.

The large surface area of the SAFF or the SAGF filter gives a very low suction resistance, resulting in the pump developing its optimum degree of effectiveness.

The suction fine filter (SAFF) is especially suitable for water extraction

from water cisterns without any precleaning in the system.

Commercial, cheap non-return valves at the bottom of the suction hoses with little sieves may be a risk for pumps and valve which are down-stream and they might derogate the working safety.

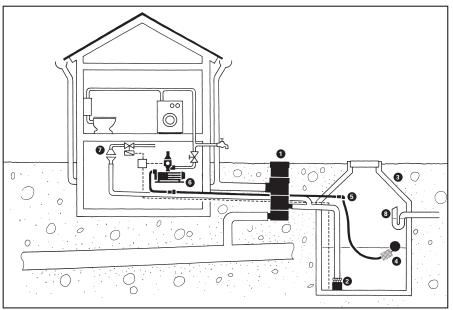
The floating ball allows the suction point to rise and fall with the water and ensures that the water is extracted from where it is cleanest: just below the surface of the water. The filter unit prevents the suction of water from the layer of scrum (fatty and small dirt particles) as well as the suction of sand and heavy particles from the soil sediment.

Non-return valve

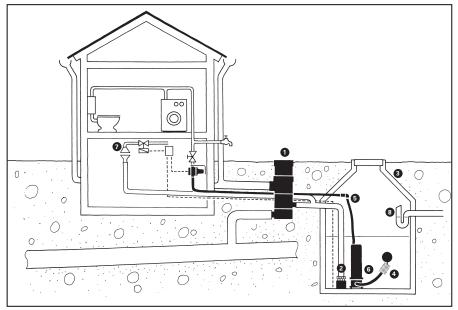
Especially for use with a suction pump it maintains a permanent column of water in the connecting suction hose up to the pump (image 1), so that a new column of water does not have to be built up each time the pump starts.

Maintenance

The suction filters should be controlled once a year. The filter mesh can be cleaned with a brush and a strong water jet.



Sketch (image 1): Installation with a suction pump in the basement.



Sketch (image 2): Installation with a pressure pump in the storage tank.

Floating suction filter with nonreturn valve for use <u>with</u> a suction pump in the basement.

- 1 Vortex fine filter
- 2 Smoothing inlet
- 3 Storage tank
- 4 Floating suction filter
- 5 Suction hose
- **6** Suction pump with automatic switch
- 7 Open water outlet/ potable water feed
- 8 Overflow siphon

Floating suction filter <u>without</u> nonreturn valve for use with a pressure pump in the tank.

- 1 Vortex fine filter
- 2 Smoothing inlet
- 3 Storage tank
- 4 Floating suction filter
- 5 Pressure hose
- **6** Submersible pressure pump with automatic switch
- 7 Open water outlet/ potable water feed
- 8 Overflow siphon



WISY AG Haustechniksysteme, Filtertechnik D-63699 Kefenrod, Oberdorfstraße 26 Telefon +49 (0) 60 54-91 21-0, Fax +49 (0) 60 54-91 21-29 Internet: www.wisy.de, E-Mail: info@wisy.de

Tank Level Monitoring and Back-up Water Supply System

AquaControl +

Rainwater System Controller

Item no.: 351027



Distributed in the US by:



(800) 654-9283

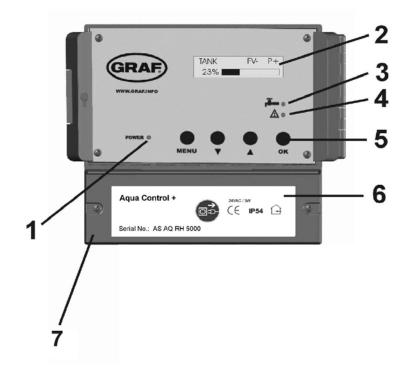


Figure 1: Indicators and Controls

- 1: LED for power supply
- 2: Information Display
- 3:
- LED for drinking water operation LED for faults and malfunction 4:
- 5: Operating buttons
- Lower cover of the System Control 6:
- The main fuse for the rainwater system controller is under this cover. 7:

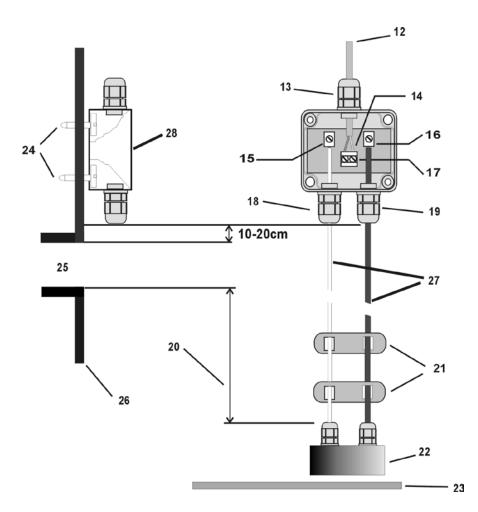


Figure 2: Tank Water Sensor Assembly

- 12: Data cable
- 13: Wire seal 3
- 14: Connection of the data cable is polarity protected.
- 15: Connect white wire here
- 16: Connect red wire here
- 17: Data cable terminal
- 18: Wire seal 2
- 19: Wire seal 1
- 20: Active measuring length
- 21: When assembling be sure that the cable spacers are equally distributed over the cable length.
- 22: Stainless steel probe
- 23: Tank floor
- 24: Screws
- 25: Overflow
- 26: Tank or riser wall
- 27: Sensor
- 28: Sensor control box

Important Safety Notes:

Please read and follow safety instructions carefully before assembly or using the device!

Equipment using a 120 VAC supply may only be installed and commissioned by a qualified tradesman. The assembly place must allow all possible safety precautions when laying the attached cables.

Power supply cables and data cables mast not be damaged or pinched in any way. Plan the assembly place so that you can reach the transformer easily and unplug it from the electrical outlet in dangerous situations.

Choose the assembly place so that children cannot play or be near the device and its connections without supervision.

Before opening the device, disconnect it from the main supply (unplug) otherwise there is a serious danger of an electrical shock.

Fuses may only be replaced with standard-compliant parts with the same nominal value.

All liability is excluded for damages which result from non-compliance of these instructions or from improper handling of the device. At chosen intervals in this hand book we will give directions for safety precautions. These safety precautions have been specially marked:



1.Description

The AquaControl+ is an electronic water management control system.

It has been developed especially for rainwater usage systems. It can be used with a wide variety of tank systems.

Tanks made from metal or steel reinforced cement may only be used when the following conditions have been correctly followed.

Metal tanks lead to faulty readings. It is optimal to install the device so that the sensor is as far as possible from the metal sides so, for example, in the center of a cylindrical tank. The system controls offer an easy to use guide for the switch programming. Using an LCD display the fill measurement is shown in 1 % stages (in relation to the height of the tank). The sensor operates with 12 volts DC, supplied from the main control unit.

All programmed values such as the tank height are retained after disconnection of the power supply or after loss of power.

Performance features:

- Fill level measurement display in 1% steps with a bar type indicator
- Freely variable switching points in 1% steps for drinking water refill
- Automatic flushing of the system intervals in days, and duration in minutes are programmable
- Dialogue oriented user guidance (choice of language)
- Equipment indication using 3 additional LED
- Supervision of the sensor control box and the sensor
- Error indications in simple text
- Analog output for connection to external systems: 0-10V DC

Technical data:

Control electronics

Measurement sensors

Operating current Fused Power consumption	:24VAC :T500mA :3VA	Measurement voltage Measuring frequency Data cable length	:12V DC :(0.2-20)kHz :165 feet, maximum
Tank height Measurements	:9.8 feet (optiona :6.1"x6.5"x3.5"	,	:3.6"x3.2"x2"

Terminal 1Terminal 2-4Operating voltage
Maximum Current: 24V AC
: 5AmpsOperating voltage
Maximum Current

Terminal 5

Operating voltage	: 120V AC/DC
Maximum Current	: 3Amps

Analogue outlet:

Minimal apparent ohmic resistance	: 20K Ohm
Short circuit protection	: Yes
Short circuit current	: Approx. 15mA
Cable length	: 650 feet, maximum; shielded

Note:

Only the control electronics in the device are protected by the fuse. Valves and pump connections are **not** protected. These are protected only by the mains supply via the circuit breaker.

: 24V AC

: 1Amps

The yellow LED indicating "Drinking water operation" [3] is lit as soon as the valve switches over to the mains supply. The user is made aware that the system now uses water from the mains supply. The red LED for "Faults and malfunctions" [4] is lit as soon as the system identifies a fault. The display will then show a warning that describes the cause of the fault in plain text.

2.Assembly 2.1Control system

The mains plug of the transformer serves as an on / off switch.



- Loosen the fastening screws of the lower cover [6] and remove the cover
- Mark out drilling points and drill according to sketch
- Fasten the device with the enclosed installation hardware (screw anchor and screws)

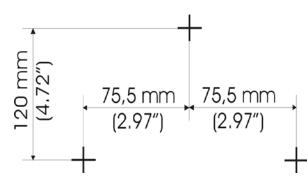


Figure 3: Drilling outline for housing outline (Not to scale)

2.2 Connection Sensors and Cable

Sensor electronics consist of a stainless steel probe [22], red and white connecting wires [27] and sensor control box [28].



Figure 4: Sensor technology

- 1. Now the sensor control box [28] (cover removed) should be installed on the tank wall (preferably in the manhole shaft of the Graf synthetic tank). The location of the mounted sensor control box should be between 4" and 6" above the overflow [25]. The enclosed screws should be used to secure the device. After fully tightening the screws, the points that are showing themselves on the outside of the tank must be blunted to avoid injury [24].
- 2. Measure the height from the bottom of the tank [23] to the end of the terminals [15] and [16] on the [28].
- 3. Shorten the connection cable to suit the measured height.
- 4. After shortening the cable, the distance between the cable fastening spacers **[21]** should be set equally along the entire length. The cable fastening spacers prevent the red and white wires of the sensor from crossing over and thereby causing a slight distortion of the measurement readings. If for any reason the cable fastening spacers cannot be mounted, an additional distortion of the measurement reading of approximately 1% may result.
- 5. Connect the sensor cable to the sensor as described in the following instructions: Remove approximately 1/4" of insulation from both of the wires. Next, pass the red wire through the wire seal 1[19] and tighten this lightly, then connect the red wire to the terminal [16]. The free white wire is now passed through the wire seal 2 [18] and tightened lightly, then connect the white wire to the terminal [15].
- 6. Now pass the end of the data cable [12] through the wire seal 3 [13]. Lightly tighten the wire seal and connect the cable wire cores of the data cable [12] to the double terminal [14]. The connection of the data cable is reverse polarity protected. Attention! The screws should be tightened with care to ensure that they are not damaged.
- 7. Now recheck that all the connections and the sensor components have been fitted correctly. Replace the cover of the sensor control box and secure this with the appropriate fastening screws.
- 8. At the main system control unit, remove the jacket from the ends of the shielded sensor data cable, strip about ¹/₄" of insulation from the wires, and insert each wire into the appropriate terminal labeled "SENSOR" on the main circuit board. Tighten the terminal screws securely.

Note:

The red and the white wires going down to the probe should be straight and smooth to be drawn taught by the weight of the stainless steel probe. <u>The stainless steel probe must hang just above the tank floor</u>. When setting the spacers please be sure to distribute them equally over the complete length as shown in Figure 2.

Purchase date:	
Device serial number / Type:	AS AQ RH
Tank height	
Software level AQ+ REV:	<u>U2.0</u>

Design and specifications are subject to change without notice

Manual revision (RHS): January, 2016; Version: AQ+ U2.0A



NEW – DESIGN PROTECTED

GENERAL SPECIFICATIONS

VALBIA electric actuators are designed for the automation of ball and butterfly valves for the industrial, commercial and OEM markets. As a result of years of intensive R+D, advanced high-tech electrical component design and precise gearing VALBIA electric actuators offer the best in performance and long term reliability.

The range has been manufactured with the following features:

- The actuator housing is made from a V0 self-extinguish class techno-polymer material.
- The kinematics is made by two steel and techno-polymer gear wheels, sustained by hardened steel pinions, mounted on self-lubricating bushings (excluding Mod. VB015), and inserted in a rugged die-cast aluminium structure.
- The direct connection part of the actuators to the valves, is made via a painted die-cast aluminium plate, with a dual drilled ISO 5211 interface.
- The electronic circuit automatically adjusts the motor speed, (depending on the mechanical charge variations), to keep the cycle time consistant.
- All actuators are provided with an electronic system and torque limiter.
- A standardly furnished heater is activated once the actuator is powered, and when the temperature inside the housing drops below 77° F.
- Two auxillary limit switches are standard.
- Optional 4-20 mA 0-10v modulating boards and battery back-up protection are available.







М	DDEL	VB015	VB030	VB060	VB110	VB190	VB270	VB350
MAX WORKIN	G TORQUE (in-Lbs)	133	<mark>266</mark>	530	975	1680	2390	3100
		12V AC/DC	12V DC	12V DC	12V DC	12V DC	12V DC	12V DC
VOLTAGE (V)	LOW VOLTAGE	24V AC/DC	24V AC/DC	24V AC/DC	24V AC/DC	24V AC/DC	24V AC/DC	24V AC/DC
	HIGH VOLTAGE MULTITENSION	110V AC 230V AC NO - NOT AVAILABLE	100-240V AC	100-240V AC	100-240V AC	100-240V AC	100-240V AC	100-240V AC
WORKING TIME (sec)		12/24V 10 110/230V 25	8	9	27	27	50	50
TORQUE LIMITER		STD	STD	STD	STD	STD	STD	STD
DUTY RATING		50%	<mark>75%</mark>	75%	75%	75%	75%	75%
PROTECTION		IP65	IP65-67	IP65-67	IP65-67	IP65-67	IP65-67	IP65-67
ROTATION		90°	<mark>90°</mark>	90°	90°	90°	90°	90°
UPON REQUEST	180°	180° or 270°	180° or 270°	180° or 270°	180° or 270°	180° or 270°	180° or 270°	
MANUAL INTERVENTION	STD	STD	STD	STD	STD	STD	STD	
POSITION INDICATOR		STD	STD	STD	STD	STD	STD	STD
WORKING TEMPERATURE		-4°F + 131°F	<mark>-4°F + 131°F</mark>	-4°F + 131°F	-4°F + 131°F	-4°F + 131°F	-4°F + 131°F	-4°F + 131°F
HEATER		STD	STD	STD	STD	STD	STD	STD
ADDITIONAL FREE LIMIT SWITCHE	ES	n°2 STD	n°2 STD	n°2 STD	n°2 STD	n°2 STD	n°2 STD	n°2 STD
DRILLING ISO 5211 PAD		F03 - F05	F03 - F05	F05 - F07	F07 - F10	F07 - F10	F07 - F10	F07 - F10
SQUARE DRIVE		0.43	<mark>0.43</mark>	0.55	0.67	0.67	0.87	0.87
SQUARE UPON REQUEST		0.35	0.35-0.55	0.43-0.67	0.55-0.87	0.55-0.87	0.67	0.67
SAFETY BLOCK		NOT AVAILABLE	UPON REQUEST	UPON REQUEST	UPON REQUEST	UPON REQUEST	UPON REQUEST	UPON REQUEST
				NOT AVAILABLE	E FOR MOD 12V	[
POSITIONER (4~20mA or 0~10 VDC)		NOT AVAILABLE	UPON REQUEST	UPON REQUEST	UPON REQUEST	UPON REQUEST	UPON REQUEST	UPON REQUEST
LINEAR POTENTIOMETER (5K Ω 1W)	NOT AVAILABLE	UPON REQUEST	UPON REQUEST	UPON REQUEST	UPON REQUEST	UPON REQUEST	UPON REQUEST
ELECTRICAL CONNECTIONS		PG11	PG11	PG11	PG11	PG11	PG11	PG11
WEIGHT (LBS)		3.09	<mark>5.07</mark>	7.28	10.80	10.80	13.23	13.23

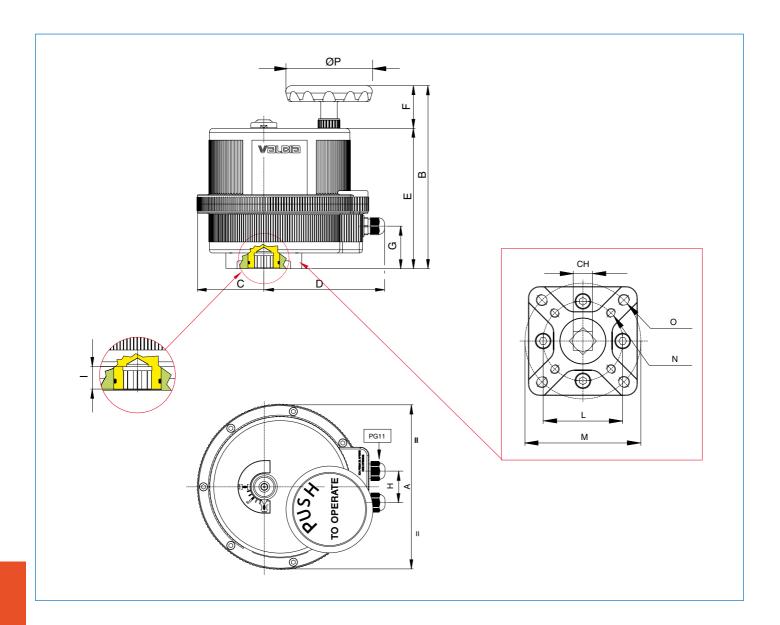
* upon request F04 only

	ELECTRIC ACTUATOR POWER CONSUMPTION														
	MODEL	VB	015	VB030		VB	VB060 VB110		8110	VB	190	VB270		VB350	
	NOMINAL VOLTAGE	110V AC 230V AC 100-240V AC													
VERSION H	ABSORBED CURRENT	75mA 25mA		0.3-0.2A 0.6-0.3A											
	ABSORBED POWER	6.6 VA 6 VA		<mark>30-</mark>	30-48VA 60-72 VA										
	NOMINAL VOLTAGE	12V AC/DC	24V AC/DC	12V DC	24V AC/DC	12V DC	24V AC/DC	12V DC	24V AC/DC	12V DC	24V AC/DC	12V DC	24V AC/DC	12V DC	24V AC/DC
VERSION L	ABSORBED CURRENT	1.2A	0.6A	<mark>2.0A</mark>	1.0A	3.6A	1.8A	2.0A	1.0A	3.6A	1.8A	3.6A	1.8A	3.6A	1.8A
	ABSORBED POWER		15 VA		24 VA		44 VA 24 VA		VA	44 VA		44 VA		44 VA	
	FREQUENCY 50/60 HZ														









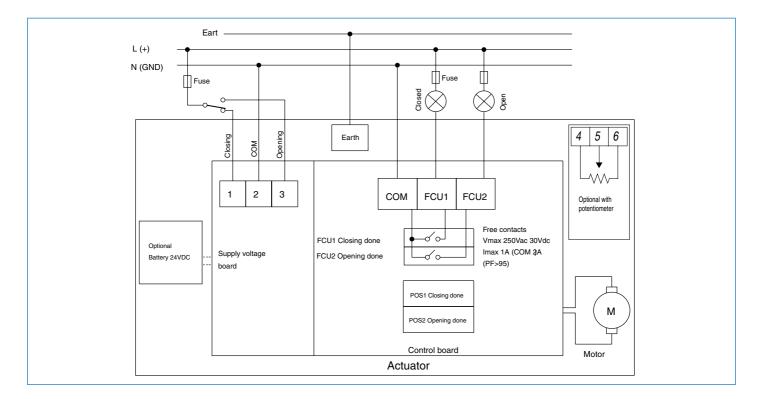
MOD.	DRILLING ISO 5211	СН	А	В	С	D	Е	F	G	н	I	L	М	Ν	0	ØP
VB015	F03 - F05	0.43	4.84	5.57	1.67	4.74	4.96	0.61	4.35	1.26	0.55	1.42	1.97	10-24 UNC 2BX0.47	1/4-20 UNC 2BX0.55	2.68
VB030	F03 - F05	<mark>0.43</mark>	<mark>6.18</mark>	<mark>7.40</mark>	<mark>2.38</mark>	<mark>5.12</mark>	<mark>5.75</mark>	<mark>1.65</mark>	<mark>1.30</mark>	<mark>1.42</mark>	<mark>0.47</mark>	<mark>1.42</mark>	<mark>1.97</mark>	10-24 UNC 2BX0.47	1/4-20 UNC 2BX0.55	<mark>2.56</mark>
VB060	F05 - F07	0.55	7.28	8.46	2.66	5.77	6.81	1.65	2.01	1.42	0.63	1.97	2.76	1/4-20 UNC 2BX0.59	5/16-18 UNC 2BX0.67	2.56
VB110	F07 - F10	0.67	8.31	9.14	3.31	6.02	7.01	2.13	2.13	1.58	0.75	2.76	4.02	5/16-18 UNC 2BX0.79	3/8-16 UNC 2BX0.79	4.33
VB190	F07 - F10	0.67	8.31	9.14	3.31	6.02	7.01	2.13	2.13	1.58	0.75	2.76	4.02	5/16-18 UNC 2BX0.79	3/8-16 UNC 2BX0.79	4.33
VB270	F07 - F10	0.87	8.74	9.19	3.03	6.69	7.17	2.03	2.13	1.58	0.94	2.76	4.02	5/16-18 UNC 2BX0.79	3/8-16 UNC 2BX0.79	4.33
VB350	F07 - F10	0.87	8.74	9.19	3.03	6.69	7.17	2.03	2.13	1.58	0.94	2.76	4.02	5/16-18 UNC 2BX0.79	3/8-16 UNC 2BX0.79	4.33

* Upon request F04 only



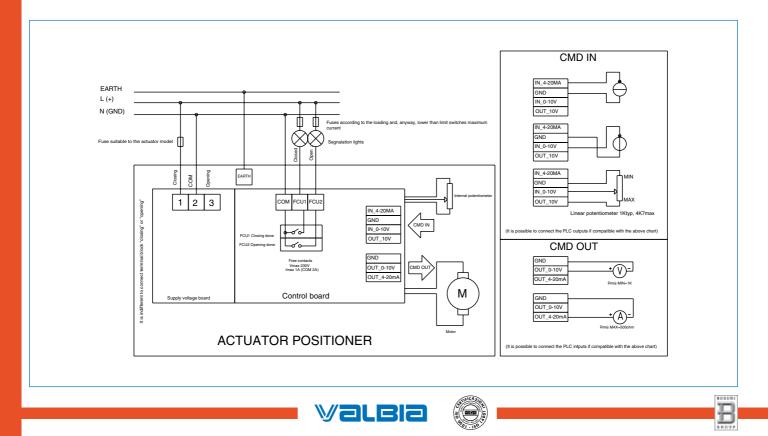






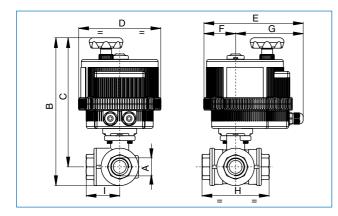
ELECTRIC SPECIFICATION FROM VB30 TO VB350

WIRING OF THE POSITIONER FROM VB30 TO VB350



OPERATING CONDITIONS: FLUID H20 – T 68°F

SERIES 8E065(T) *** 8E066(L) ***



PSI	400	400	400	400	400	<mark>400</mark>	400	400	400	400
DN A	1/4"	3/8"	1/2"	3/4"	1"	<mark>1"1/4</mark>	1"1/2	2"	2"1/2	3"
В	7.44	7.44	7.44	7.63	9.98	<mark>10.43</mark>	11.16	13.05	14	14.04
С	6.77	6.77	6.77	6.86	9.03	<mark>9.25</mark>	9.74	11.36	11.81	11.81
D	4.84	4.84	4.84	4.84	6.18	<mark>6.18</mark>	6.18	7.38	7.28	7.28
E	6.41	6.41	6.41	6.41	7.50	<mark>7.50</mark>	7.50	8.43	8.43	8.43
F	1.67	1.67	1.67	1.67	2.38	<mark>2.38</mark>	2.38	2.66	2.66	2.66
G	4.74	4.74	4.74	4.74	5.12	<mark>5.12</mark>	5.12	5.77	5.77	5.77
н	2.64	2.64	2.87	3.19	3.74	<mark>4.39</mark>	4.86	5.73	6.93	7.08
I	1.32	1.32	1.44	1.60	1.87	<mark>2.20</mark>	2.43	2.87	3.47	3.54
ACT.	VB 015	VB 015	VB 015	VB 015	VB 030	VB 030	VB 030	VB 060	VB 060	VB 060

* * *	VOLTAGE SUPPLY ORDER CODE			
FOR MOD. VB015	12V AC/DC + 001	24V AC/DC + 002	110V AC + 003	230V AC + 005
FOR MOD. VB30÷350	12V DC + 001	24V AC/DC + 002	100÷240 VAC + 004	-





