

AQUA4D®

- by Planet Horizons Technologies SA -

AQUA4D® H-A PRO 100-400

The H-A Pro 100 series brings water efficiency for **micro-irrigation** and extends the life span of the irrigation network. This water treatment system is manufactured and pre-assembled as a standalone unit.

Plug & Play

The system is delivered ready for a quick installation at the customer's site, connecting easily to existing irrigation setups. This ready-to-use system allows AQUA4D® to have total quality control: it is built in our facilities in Switzerland, with extensive tests performed before shipment to ensure the product is ready to go upon arrival. The customer just needs to connect the H-A Pro to their irrigation network and plug it into the power grid.

Easy to Move

If the irrigation process stops during winter and the system has to be stored, the H-A Pro is easy to move to another location where it will not suffer from cold conditions.

Various Configurations

Depending on the flow rate required, the system is available in different configurations ranging from 180 to 720 m³/h (792 - 3170 US gpm).

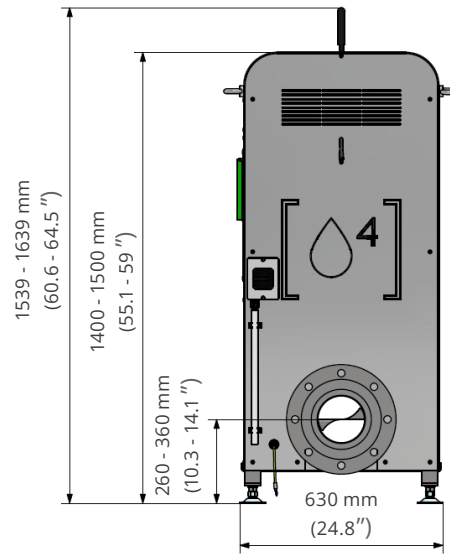
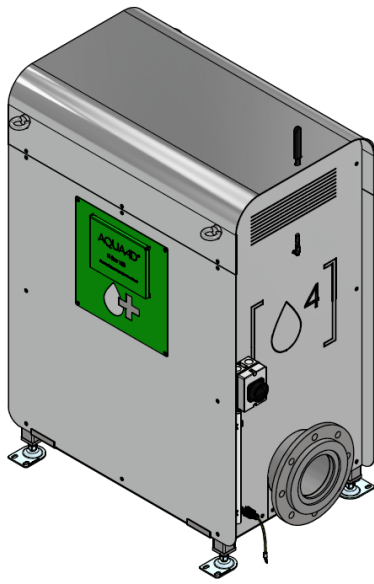
Minimal Power Use

AQUA4D® systems require only a small amount of energy to operate and can also be connected to an off-grid solar installation if no grid connection is available.

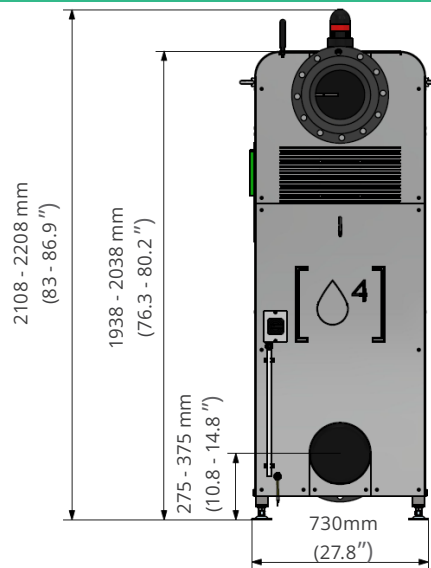
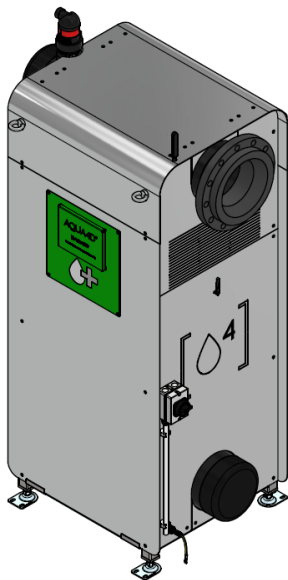


Overview of the system

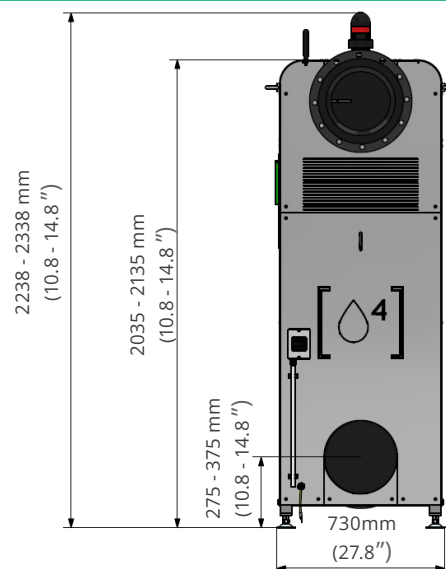
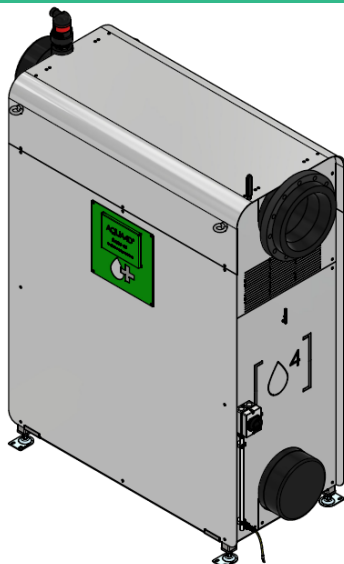
H-A Pro 100



H-A Pro 200

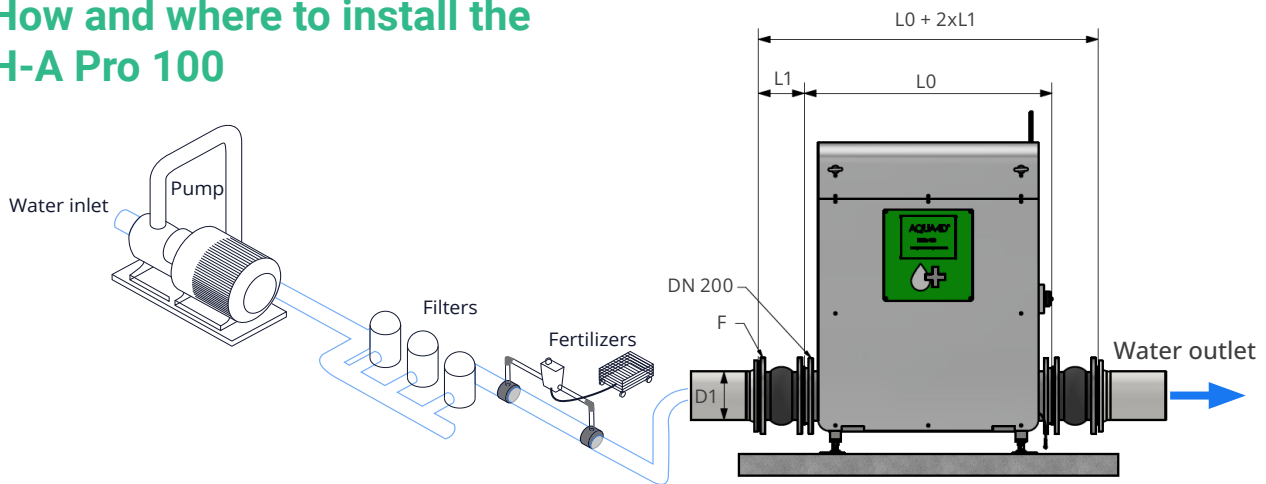


H-A Pro 300 and H-A Pro 400



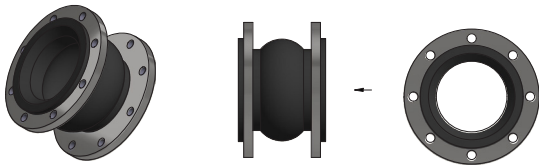
TECHNICAL DATA	H-A Pro 100	H-A Pro 200	H-A Pro 300	H-A Pro 400
Maximum flow rate [m ³ /h]	180	360	540	720
Maximum flow rate [gpm]	660	1320	1980	2640
Maximum flow rate [US gpm]	792	1585	2378	3170
Dimension LxWxH [mm/inch]	1116 x 630 x 1539 (43.9 x 24.8 x 60.6)	1113 x 730 x 2108 (43.8 x 28.7 x 83)	1773 x 730 x 2238 (69.8 x 28.7 x 88.1)	
Power supply	100 - 240 VAC / 50 - 60 Hz			
Power consumption [W]	40	60	80	100
Maximum water temperature	60°C @ 4 bars (140°F @ 58 psi)			
Maximum water pressure	10 bars @ 20°C (145 psi @ 68°F)			
Maximum pressure drop	0.1 bar (1.4 PSI)	0.2 bar (2.9 PSI)		
Ambient temperature	3°C... 45°C (37°... 113°F)			
Storage temperature	0°C... 60°C (32° ... 140°F)			
Weight (empty)	125 kg (276 lbs)	255 kg / (562 lbs)	415kg (915 lbs)	441 kg / (972 lbs)
Hydraulic connection	DIN DN 200	DIN DN 250	DIN DN 300	DIN DN 300

How and where to install the H-A Pro 100

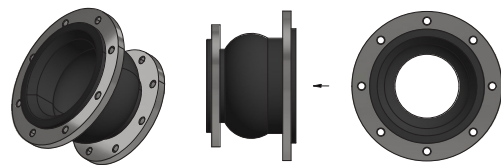


H-A Pro systems are delivered with flexible rubber expansion joints adapted to piping dimensions at installation site. The options are as follows:

Rubber expansion joints



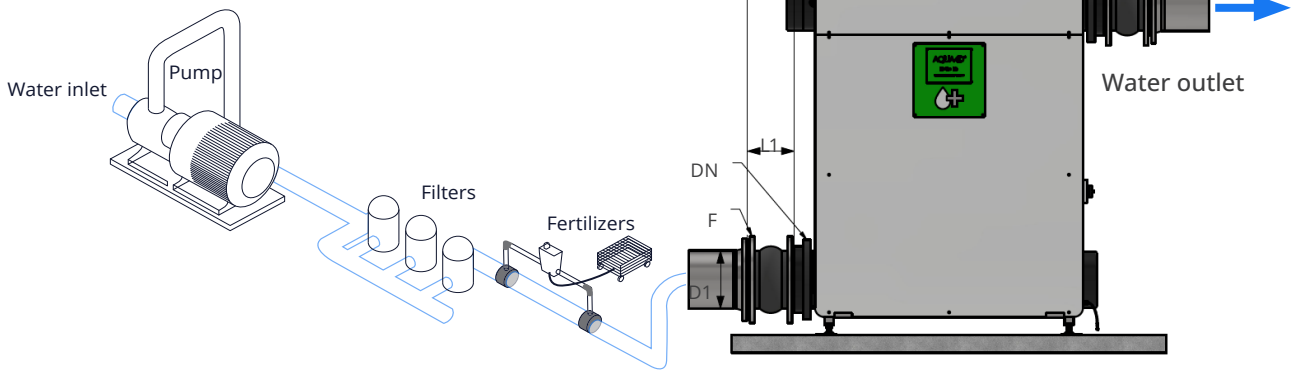
Reducing rubber expansion joints



H-A Pro 100 (DN200) connection to:

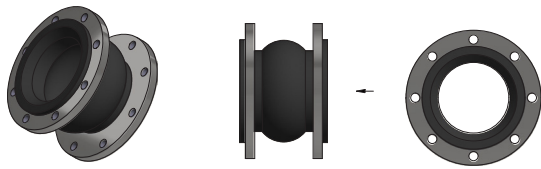
Ø D1 (Pipe)	Type	F (flange standard)	L0 [mm / "]	L1 [mm / "]	Weight [kg/lbs]
DN200	Standard	DIN PN10	1116 (27.8")	210 (8.27")	14 kg / 31 lbs
DN250	Reduced	DIN PN10	1116 (27.8")	220 (8.66")	17.5 kg / 38.5 lbs
8"	Standard	ANSI LB 150	1116 (27.8")	210 (8.27")	17.5 kg / 38.5 lbs
10"	Reduced	ANSI LB 150	1116 (27.8")	220 (8.66")	21 kg / 46 lbs

How and where to install the H-A Pro 200 / 300 / 400

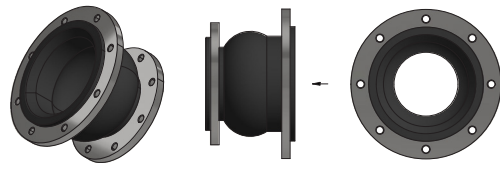


H-A Pro systems are delivered with flexible rubber expansion joints adapted to piping dimensions at installation site. The options are as follows:

Rubber expansion joints



Reducing rubber expansion joints



H-A Pro 200 (DN250) connection to:

Ø D1 (Pipe)	Type	F (flange standard)	L0 [mm / "]	L1 [mm / "]	Weight [kg/lbs]
DN250	Standard	DIN PN16	1070 (42.1")	230 (9.06")	20.5 kg / 45 lbs
DN300	Reduced	DIN PN16	1070 (42.1")	220 (8.68")	22.5 kg / 49.5 lbs
10"	Standard	ANSI LB 150	1070 (42.1")	230 (9.06")	24.5 kg / 54 lbs
12"	Reduced	ANSI LB 150	1070 (42.1")	220 (8.68")	33 kg / 73 lbs

H-A Pro 300-400 (DN300) connection to:

Ø D1 (Pipe)	Type	F (Flange standard)	L0 [mm / "]	L1 [mm / "]	Weight [kg/lbs]
DN300	Standard	DIN PN16	1730 (68.1")	245 (9.65")	25 kg / 55 lbs
DN350	Reduced	DIN PN16	1730 (68.1")	240 (9.45")	27.4 kg / 60.5 lbs
12"	Standard	ANSI LB 150	1730 (68.1")	245 (9.65")	34.5 kg / 76 lbs
14"	Reduced	ANSI LB 150	1730 (68.1")	240 (9.45")	40 kg / 88 lbs

Planet Horizons Technologies
AQUA4D
 Ecoparc de Daval A9
 3960 Sierre
 Switzerland
 T +41 27 480 30 35
 info@aqua4d.com
 www.aqua4d.com

