

Viega Enhanced Mixing Station

The new Viega Enhanced Mixing Station provides fluid temperature modulation when connected to a variety of heat sources. The new station is equipped with a ECM motor circulator that has a permanent magnet motor design. This allows for 50% energy savings and higher starting torque. The circulator has seven different settings which allow the user flexibility in optimizing system performance. Boiler connections can be made with ProPress, PexPress or copper (male pipe end) for soldering. Red and blue caps on the ProPress ball valves clearly indicate system supply and return connections. A built in sensor well allows for easy mounting of control sensors. Compatible with The Basic Heating Control.

Enhanced Mixing Station Specifications

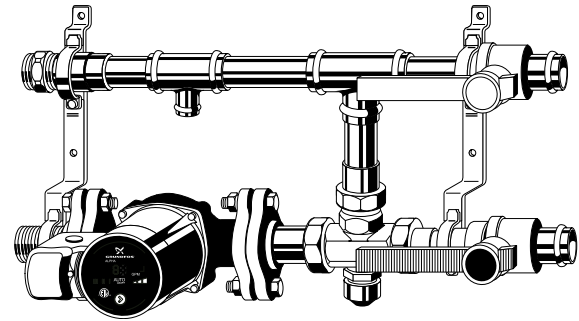
Copper: Type "L" ASTM B88
 Min Temp: 36°F
 Max Temp: 230°F
 Max Pressure: 100 psi
 Max Glycol Mix: 50% @ 36 °F (2 °C).
 Supply voltage: 1x115V +/-10 %, 60Hz.

Circulator Specifications

Inlet pressure:

Liquid temperature	Min. inlet pressure
167 °F (75 °C)	0.75 psi (0.05 bar)
194 °F (90 °C)	4.06 psi (0.28 bar)
230 °F (110 °C)	15.7 psi (1.08 bar)

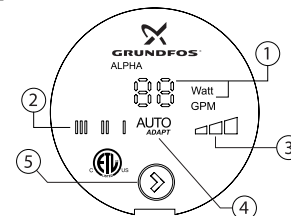
To avoid condensation in the control box and stator, the liquid temperature must always be higher than the ambient temperature.



Approximate power usage:

Speed Setting		Min.	Max.
High fixed speed		39W	45W
Medium fixed speed		15W	30W
Low fixed speed		5W	8W
Constant pressure	▱	8W	45W
Constant pressure	▱	14W	45W
Constant pressure	▱	22W	45W
AutoADAPT	AUTO ADAPT	5W	45W

Control Display



Pos. Description

1	LED showing Watt or flow indicator
2	LED indicating fixed speed
3	LED indicating constant pressure
4	LED AutoADAPT
5	Push-button for selection of pump setting

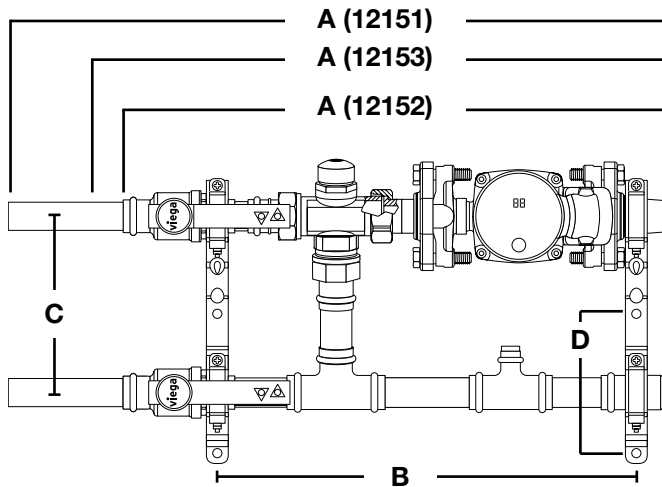
Viega... The global leader in plumbing, heating and pipe joining systems

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TechData

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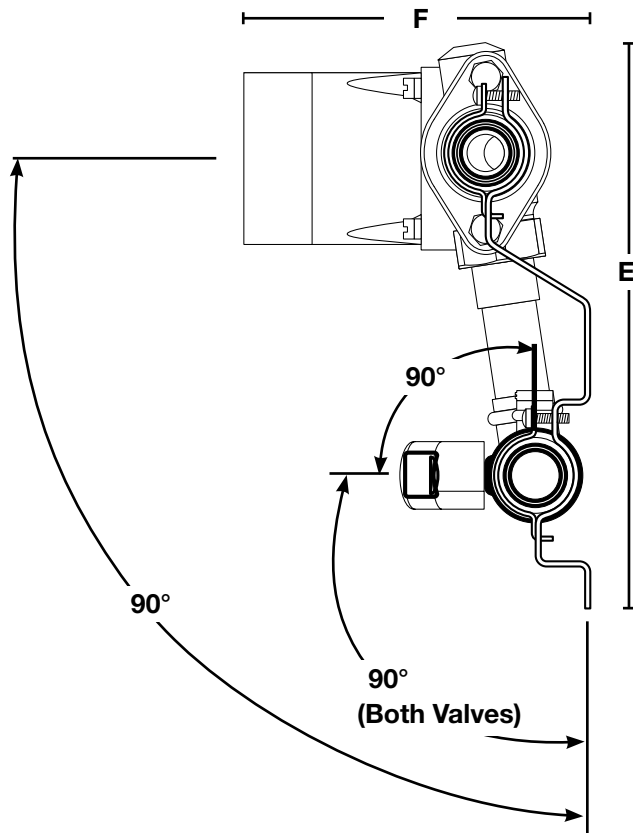
Dimensions*	
# Outlets	Mixing Station Stainless Manifold
1 outlet	N/A
2 outlets	28.96
3 outlets	30.96
4 outlets	32.96
5 outlets	34.86
6 outlets	36.86
7 outlets	38.86
8 outlets	40.76
9 outlets	42.76
10 outlets	44.76
11 outlets	46.66
12 outlets	48.66

* Dimensions based off stock code 12152

* When using stock code 12153 add .98"

* When using stock code 12151 add 4.04"

Stock Code	A (in)	B (in)	C (in)	D (in)	E (in)	F (in)
12151	24.79	16	6.69	5.31	11.72	7.39
12153	21.73	16	6.69	5.31	11.72	7.39
12152	20.75	16	6.69	5.31	11.72	7.39

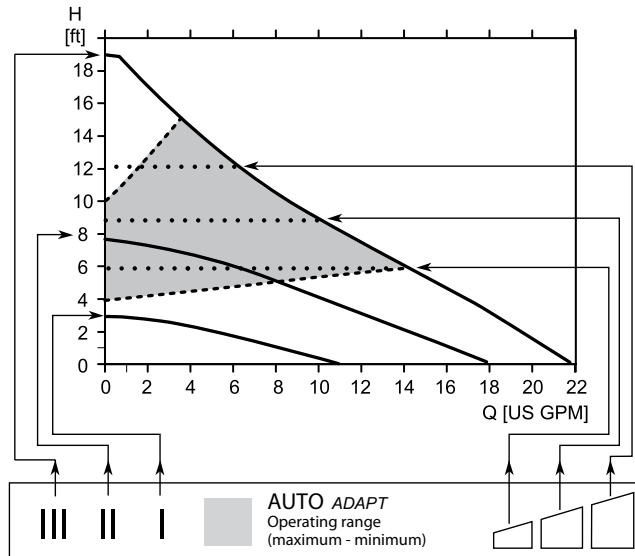


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Performance* and operation mode selection



*Hydraulic performance without check valve

Pos.	Description
➤	<ul style="list-style-type: none"> • Push-button for selection of pump setting • Every time the push-button is pressed, the circulator setting is changed
III	<p>High Fixed Speed</p> <ul style="list-style-type: none"> • Runs at a constant speed and consequently on a constant curve. In Speed III, the pump is set on the maximum curve under all operating conditions. Quick Vent of the pump can be obtained by setting the pump to Speed III for a short period.
II	<p>Medium Fixed Speed</p> <ul style="list-style-type: none"> • Runs at a constant speed and consequently on a constant curve. In Speed II, the pump is set on the medium curve under all operating conditions.
I	<p>Low Fixed Speed</p> <ul style="list-style-type: none"> • Runs at a constant speed and consequently on a constant curve. In Speed I, the pump is set on the minimum curve under all operating conditions.
☐	<p>Constant Pressure I</p> <ul style="list-style-type: none"> • The duty point of the pump will move left and right along the lowest constant-pressure curve depending on water demand in the system. The pump head (pressure) is kept constant, irrespective of the water demand.
☐	<p>Constant Pressure II</p> <ul style="list-style-type: none"> • The duty point of the pump will move left and right along the middle constant-pressure curve depending on water demand in the system. The pump head (pressure) is kept constant, irrespective of the water demand.
☐	<p>Constant Pressure III</p> <ul style="list-style-type: none"> • The duty point of the pump will move left and right along the highest constant-pressure curve depending on water demand in the system. The pump head (pressure) is kept constant, irrespective of the water demand.
AUTO ADAPT	<p>AutoADAPT (Factory Setting)</p> <ul style="list-style-type: none"> • This function controls the pump performance automatically within the defined performance range (shaded area). AutoADAPT will adjust the pump performance to system demands over time.











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