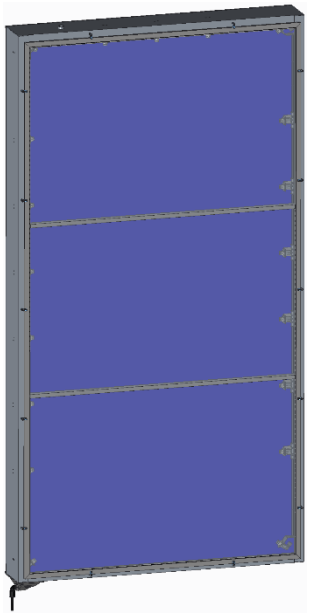
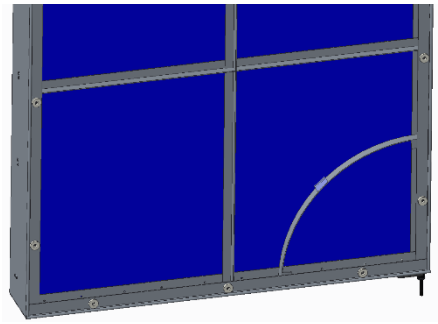
1) **EZ-Frame**

Front View:

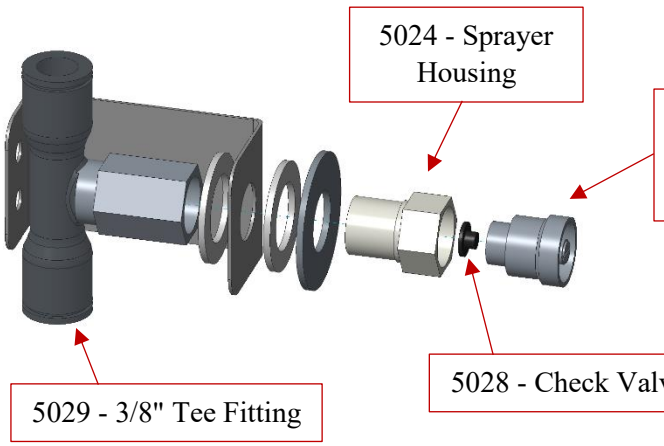


   a) **Base Assembly**
      i) High-impact, UV-rated PVC frame and supports
      ii) Light-weight construction- Frames weigh 30lbs on average
      iii) Joints welded and cross bracing used where needed
      iv) Sprayers, magnets, and supports assembled with 3/16” aluminum blind rivets
      v) Frames treated with anti-microbial spray
      vi) Frame drain with 1/2” push to connect fitting
   b) **Screen Assembly:**
      i) Fiberglass mesh screen with aluminum frames
      ii) Screen clips run along front perimeter of frame and rotate to lock and unlock screen assembly for quick removal
   c) **Media**
      i) Non-woven polyester with water based latex binder, 1/4” thick, 11oz/sq.yd
      ii) Pressure drop less than 0.1 inches WC when clean and dry
      iii) Installed using industrial strength Velcro for ease of replacement
   d) **Internal Plumbing**
      i) Plastic, wear resistant, flat spray nozzles with 1/4 turn assembly and angles ranging from 80-110 degrees
      ii) Removable rubber check valves installed in sprayer heads to maintain manifold pressure and minimize dripping
      iii) Push to connect tee fittings attached to each sprayer assembly 3/8” nylon tubing (250 psi working pressure) used to connect sprayers
      iv) 1/2” x 3/8” tee push to connect tee for water inlet to frame

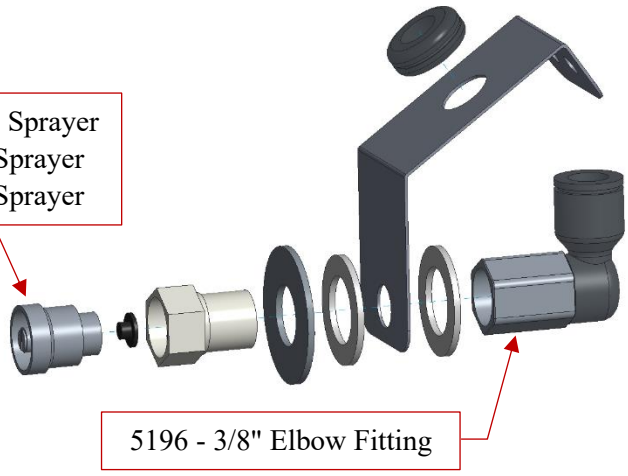
Cut away of back of frame:



Side Sprayer Assembly:



Corner Sprayer Assembly:



   e) **External Fastening**
      i) EZ-frame attaches to unit with licensed NdFeB magnets (52lb rated pull strength)
      ii) Flexible bulb seal around entire frame to seal against unit

2) **NC Solenoid Valve**

   a) **Assembly**
      i) Brass body NC solenoid valve
      ii) Stainless Steel mounting bracket
      iii) Attached to unit with (3) 1” NdFeB Magnets
   b) **Electrical**
      i) 6W- 24VAC Nema 4X solenoid valve designed for repeated cycling
      ii) IP 65 Canfield Connector MCCR used for valve wiring, can be daisy-chained to connect multiple valves
         (1) 18g- 3 Conductor Cable (10A Max Rating) available in multiple lengths
      iii) Outdoor rated, can handle temperatures up to 140 °F
   c) **Plumbing**
      i) Brass in-line 40µ strainer to protect valve & nozzles
      ii) 1/2” female push to connect fitting connections for use with provided nylon tubing
      iii) Rated up to 150psi Water Pressure

3) **Ancillary Equipment**
   a) **Plumbing**
      i) 1/2” MNPT to 1/2” female push to connect fitting to adapt tubing to field provided water manifold
      ii) 1/2” Nylon tubing for connection to field provided manifold to valve boxes and frames
      iii) Magnetic straps supplied for holding tubing and cables in place
   b) **Electrical**
      i) 600V outdoor rated electrical cord provided for wiring valve boxes and controllers

4) **Controllers**

   a) **Assembly**
      i) 2-Channel Performance Monitoring Controller
      ii) Remote and/or onsite configuration
      iii) 24/7 cloud-based data storage with sensor data logging and analysis
      iv) Controller is rated for outdoor temperatures up to 140 °F.
      v) Customer portal for access to system energy savings and performance
      vi) Optional: automated self –diagnostics
      vii) Optional: alerting and incident management
   b) **External Fastening**
      i) Controllers attach to unit with licensed NdFeB magnets
      ii) Each magnet has 52 lbs. of pull strength and a zinc plated housing
   c) **Weather Station**
      i) Unaspirated solar radiation shield
      ii) Double louvered high impact thermoplastic
      iii) Ratiometric -22°F - 257°F / 0-100% RH Temperature and Relative Humidity sensor
      iv) Preassembled for quick deployment
      v) Attaches to unit with NdFeB magnets or may be optionally mast mounted

d) Condenser Air and Liquid Line Sensors

i) Pre-assembled for quick deployment with stainless steel probe
ii) Solid-State, durable, and highly accurate ± 2°F

e) Compressor or Condenser Fan Current Transducers

i) Split-core DC voltage output transducer pre-assembled for quick deployment by snap clamping around measured load conductor
ii) 0-250 Amp with accuracy ± 2% full scale (50/60 Hz Sinewave) 5% to 120% of rated current

f) System Water Pressure Sensor

i) 0-200 psig ratiometric output, fully calibrated and temperature compensated -40°F - 257°F
ii) 1/8 MNPT connection for connection to system water distribution piping
iii) Pre-assembled for quick deployment with transducer quick connect harness

g) Controller System Overview

Assembly / Accessories	CMM Master Controller	CMC Client Controller
Wireless Backhaul	Private Cellular Network	N/A
Wireless Mesh Communication	900 MHz	900 MHz
Analog Inputs	15 (0-10 VDC)	8 (0-10 VDC)
Digital / Pulse Inputs	2 (5 VDC)	2 (5 VDC)
Digital Outputs	(4) 5 VDC, (2) 24 VAC	(4) 5 VDC, (2) 24 VAC
Ethernet Port	1	N/A
Outdoor Enclosure	NEMA 4 Rated	NEMA 4 Rated
Condenser Air Temperature Sensor (1 per Channel) with 25Ft. Cable	2	2
Liquid Line Temperature Sensor (1 per Channel) with 25Ft. Cable	2	2
Compressor or Condenser Current Transducer with 25Ft. Cable	2	2
RH / Temperature Weather Station with 25Ft. Cable	1	N/A
System Water Pressure Sensor with 25Ft. Cable	1	N/A

5) Controller Power Supply

a) Transformer and Fuse Holder Kit

i) 100 VA multi-voltage foot mount transformer (115V, 208-230V, and 460V version available)
ii) 2P fuse holder rated for 30A and 600VAC
iii) (1) Set of Class CC time delay fuses included (amp rating depends on voltage option)
iv) 600V Rated connection wiring included with wiring hardware accessories

6) Water Distribution Equipment (Designed per Project Requirements)

a) Pump

i) VFD drive turns on and ramps up as needed to provide constant discharge pressure
ii) Loss of suction and other built in motor and pump protection
iii) All wetted components stainless steel or lead-free brass
iv) Double Check Assy Provided with most Systems
v) Nema 4 rated version available
vi) N+1 design available where required

Standard Nema 1 Pump

Nema 4 Option

b) Water Treatment

i) Ion exchange water softener

(1) Designed to provide 1gpg or less of hardness

(2) Mechanically operated, no electrical connection needed in most cases

ii) Alternative Scale Control Cartridge to reduce hardness and iron scaling and prolong life of media

(1) A proprietary blend of slow-dissolving polyphosphates for control of hard-water scale and iron.

(2) Note that more frequent cleaning of the media will be required with this style system.

c) Filtration

i) 5 Micron or better filtration

ii) Housings selected for specific pressure and flow requirements- plastic or stainless steel only

d) Pressurized water storage tanks

i) Used where required for buffering and extra capacity

ii) Indoor- lightweight fiberglass versions

iii) Outdoor- durable epoxy coated steel tanks

e) Measurement

i) Fluid filled gauges provided to measure pressure drop across filter and other points of interest

f) Modular Roof-Curb systems

i) Available where required. Designed for 20 psf load

7) Typical Contractor Provided Equipment

a) Mechanical

i) Sheet metal and silicon sealant for frame mounting and air bypass prevention

b) Plumbing

i) Main water distribution plumbing (fittings, full port ball valves, etc.)

ii) Drain lines for softener and system drain down

iii) Water manifold along top of units with 1/2” FNPT fittings for transition to Peak+ provided plumbing

iv) Drain Manifold for frame drains run to nearest approved drain.

c) Electrical

i) Miscellaneous electrical connectors (wire nuts, ring terminals, etc.)

ii) Cable ties, electrical tape, etc.

8) Estimated Useful Life (EUL):

a) The Estimated Useful Life (EUL) of the system is 15 years.

9) Warranty

a) All Peak+ frames, valve boxes, performance monitoring and water equipment come with a standard one-year parts only limited warranty provided the system is properly installed and maintained per the Peak+ IOM procedures. Warranty may be extended year to year for a total of five years provided a preventative maintenance program is placed on the Peak+ system (to include maintenance on water equipment) and maintenance is performed per Peak+ requirements by a qualified maintenance provider. Note: Additional OEM component warranties may apply.