



## I. Overview:

VT-VNet™ is a proprietary Walchem developed connection technology that simplifies many aspects of connecting to and communicating with its water treatment controllers when they are connected to a private LAN (Local Area Network). The VT-VNet™ connection scheme is part of a family of communications methods that allows controllers to connect to Walchem's VTouch Account Management website in a seamless, plug and play manner.

## II. What are the requirements for VT-VNet™ to work?

### 1. Permission to connect the controller to the private network:

The controller is pre-configured with DHCP support enabled. If the facility does not support IP address assignment via DHCP, a fixed IP address can be configured in the controller's communication set-up webpage.

Ethernet (LAN)		
Enable DHCP:	<input type="radio"/> Enabled <input checked="" type="radio"/> Disabled	
Ethernet IP Address:	10.0.100.22	Requires restart to take effect.
Ethernet IP Netmask:	255.255.254.0	Requires restart to take effect.
Default Gateway:	10.0.100.1	Requires restart to take effect.

### 2. Outbound Access:

The controller needs **outbound** network access to the Internet. This type of outbound access is very similar to the outbound privileges given to PC's on a private network when they access various websites and send email over the Internet. There is **no need** to modify any router/firewall **inbound** configuration settings.

Outbound access details:

- TCP/UDP support on Ports 53 and 1194
  - o Port 53 is used to access a public DNS server
  - o Port 1194 is used to establish a secure, 128-bit encrypted, point-to-point connection to Walchem's VTouch Account Manager Gateway