



Qualflow  
*systems*

## Velx Swift Tap Installation Manual

## i. Safety Notes

### Regarding Dispense Equipment Installation



- Failure to follow instructions can result in serious injury and or damage to property.
- Installation of the Velx Swift Tap equipment requires the use of power and hand tools. Use correct PPE when operating these tools.
- Qualified personnel must isolate the Velx Swift Tap unit from mains power before opening and servicing the unit.

**Caution:** Read this manual before installing the Velx Swift Tap. Failure to follow safety and installation instructions can result in serious injury and or damage to property.

### Important Notes

- Beer dispense from the Velx Tap requires the use of Carbon Dioxide, Nitrogen or Mixed Gas which can be dangerous and can cause asphyxiation or serious injury.  
**Never** enter the cellar, cold-room or area where there is a gas leak. Ventilate room and use CO<sup>2</sup> detector to ensure it is safe to enter.
- Electrical Connection: 3 Pin, 13 amp single phase switched and earthed mains socket that is protected by an RCD.
- The Velx Swift Tap is powered using an external 24VDC power supply/transformer. This power supply provides electrical isolation from the mains voltage. Never connect the Velx Swift Tap unit directly to a mains power outlet. Never operate the Tap if the mains power lead or power supply is damaged.
- It is the responsibility of the user/installer to ensure that the Velx Swift Tap beer dispense equipment is installed to comply with electrical regulation, local rules, standards and codes of practice regarding the installation of mains powered electrical equipment and the use of beverage dispense gases.

## Technical Specifications

### Operation

Button or trigger press for ½ Measure, 1 Measure and Jug metered pour.

Press to pour and hold for top-off.

Clean mode opens valves for line cleaning.

Calibration mode for other pour volumes.

### Pour Speed

Lager 5 - 7 seconds depending on line size, run length and temperature.

Smooth (e.g. Guinness) 6 - 7 sec.

### Recirculation Cooling and Beer Tube

**Beer:-** 3/8" or 1/2" JG Push Fit.

**Recirc:-** 2 X 3/8" Push Fit.

### Electrical

Mains input 100-110VAC or 220-240VAC 50-60Hz to 24VAC transformer or 24VDC Power Supply.

Operating Voltage 24VAC / 24VDC.

### Branding

Front Logo with LED lighting.

### Velx Tap Technical Specifications

#### Cooling

For dispense speeds of 5-6 second per pint the dispense temperature must be 2°C.

#### For Keg Storage at 6 -8°C use:

1. 3 x 15m coils in parallel (ice bank).
2. 3 x 7m coils chiller plate in parallel (glycol).

Important: Inadequate cooling will result in excessive foam on beer.

#### Gas Pressure

Always use mixed gas. Do not use pure CO<sub>2</sub>. Pure CO<sub>2</sub> prevents application of adequate top pressure for high speed dispense applications.

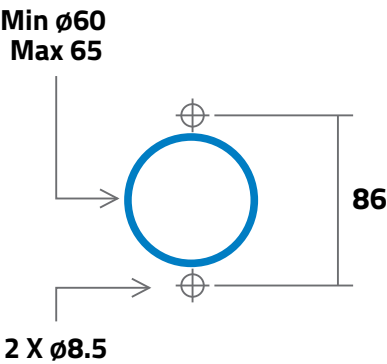
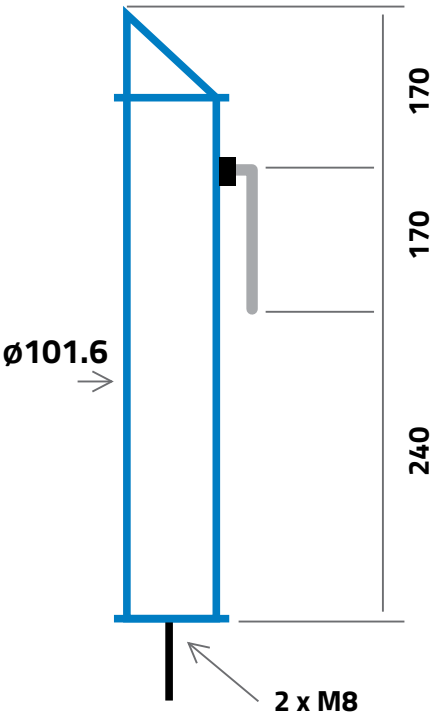
For higher dispense speeds gas pumps can be used. Do-Not over-pressurise the beer. Excessive dispense gas-pressure will cause excessive foam on beer.

Use 30-70 or 25-75 (CO<sub>2</sub>-N<sub>2</sub>) for stout products at 36-38psi.

Use 50-50 or 60-40 (CO<sub>2</sub>-N<sub>2</sub>) for lager at 36-38psi.

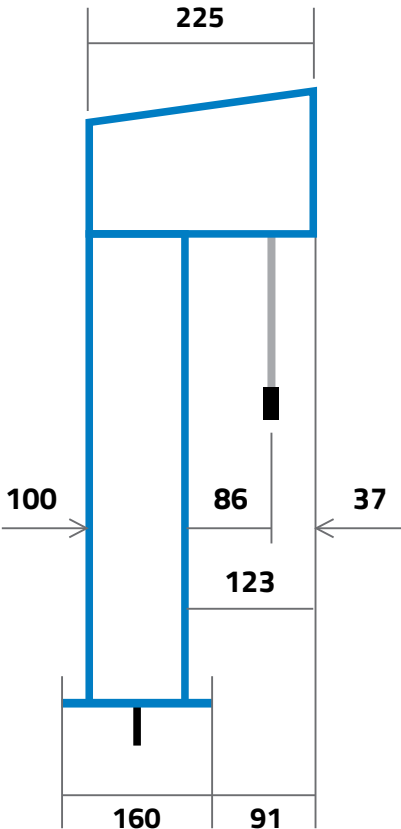
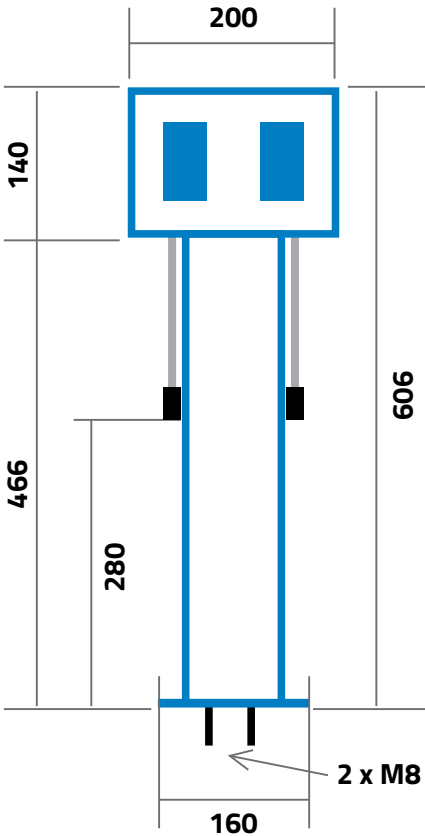
# Dimensions for Single & Twin Tap

## Single Tap



Countertop Cut Out  
for Single and Twin

## Twin Tap



# Installation

## Connecting Beer and Cooling

1) Fit the Velx tap to the bar counter.

### 2A) Velx Single

Use a 1/2" - 3/8" union to connect 1/2" beer-line to the Velx Input (flow meter)

### 2B) Velx Twin

Use a 1/2" beer-line to connect beer to spouts. Green LHS nozzle. Red RHS nozzle.

3) Connect the Recirc flow and return line to the 3/8" push fits. See figure 1.

4) In the cellar use 1/2" to 3/8" splitters to connect the FOB (or Keg Changer if fitted) to the secondary beer cooler. **You Must Connect Cooling Coils in Parallel.**

**For Lager Beer stored at 6-8°C use:**

3 x 15m coils in parallel (ice bank).

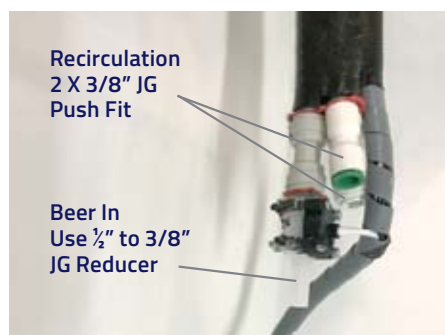
3 x 7m coils chiller plate in parallel (glycol).

**For Stout Beer at 6-8°C use:**

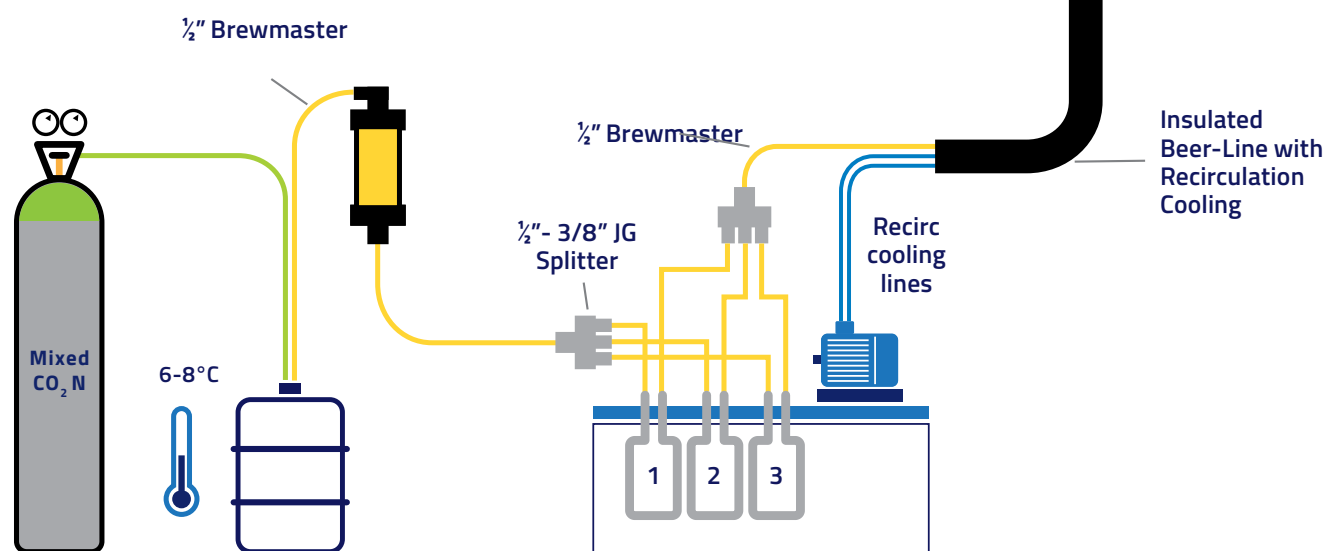
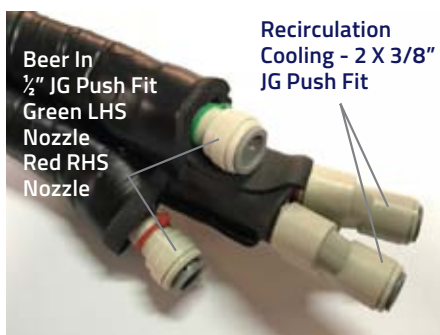
2 x 5m coils in parallel (ice bank).

2 x 6m coils chiller plate in parallel (glycol).

### Velx Single Beer and Cooling Inputs



### Velx Twin Beer and Cooling Inputs



**Secondary Cooling Requirements Per Spout.**

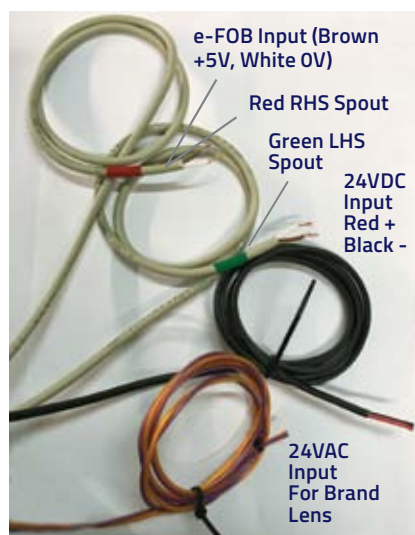
**See Note 4**

# Installation

## Connecting the e-FOB, Power Supply and Brand Lens Lighting

- 1) Use junction boxes (EFS-110) to connect the e- FOB Volt Free switch to the Velx e-FOB inputs. Polarity is not important.
- 2) Connect the 24VDC power supply to the Velx 24VDC input.  
**Important connect:- Red to Red and Black to Black.**
- 3) Connect the 24VDC Power Supply to an earthed switched mains input socket with RCD protection.
- 4) Connect the 24VAC transformer (For Brand Lens Lighting) to the 24VAC transformer. (Velx Twin Only).

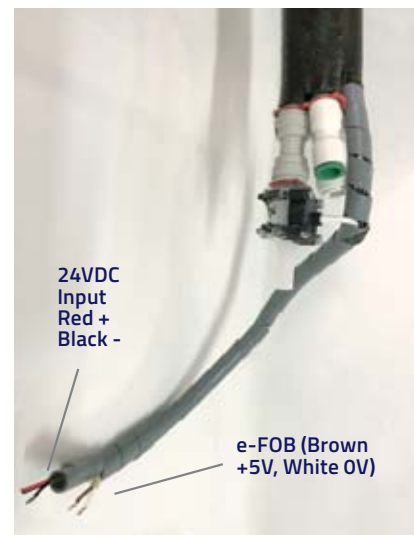
### Velx Twin Power, e- FOB and Brand Lighting wires



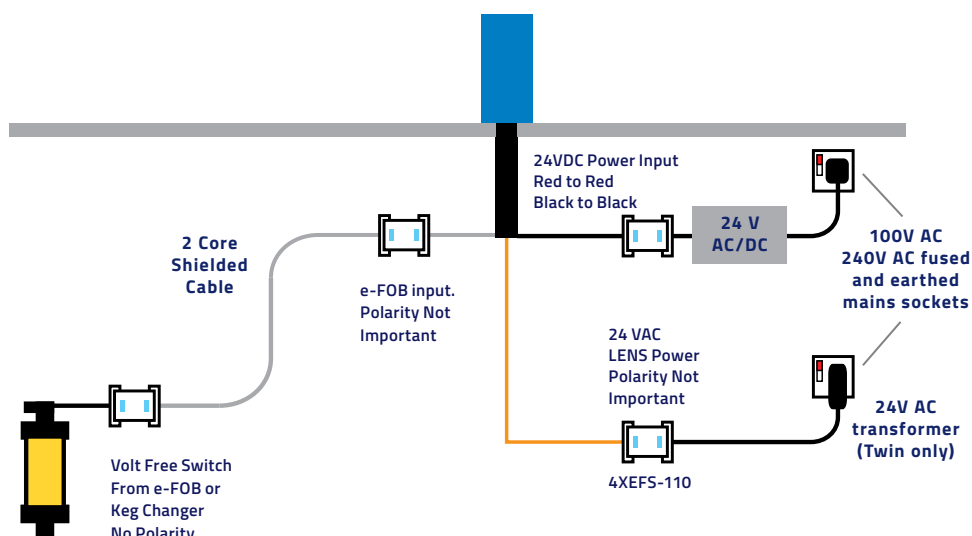
### e-FOB (Volt Free Contact. Reed Switch)



### Velx Single Power and e-FOB wires



### 24VDC Power Supply Red + Black -



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