

DATENBLATT / DATA SHEET

CHVTP 200



Model	CHVTP 200
Durchflußleistung / flow rate	200 l/min
Abmessungen / measurements (L x W x H)	1420 x 740 x 1630 mm
Gewicht / weight	280 kg
Stromversorgung / power supply	400V - 3/PE - 50Hz
Anschlußleistung / power supply value	4,4 KW
Druckluftanschluß / compressed air supply	6 bar
Betriebsdruck / operating pressure	4,5 bar
Max. Druck / max. pressure	7 bar
Reaktor Tank Inhalt / reactor tank volume	400 liters
Hydro Zyklone / hydro-cyclones	2 units
Water Stabilizer	1 unit
Hochspannungselektrode / high voltage electrode (HVE)	1 unit
Fein Filter / fine filter	
Filter Rückspülung / filter back flush	
Filter Rückspülungs Steuerung / filter back flush control	
Prozess Steuerung / proces control	relais based
Tauchpumpe(n) / submersible pump(s)	1x 2,2 KW
Druckpumpe(n) / supply pump(s)	1x 2,2 KW
Linearmembranverdichter / linear air compressor	120 l/min
Flotationsmembranen / flotation membranes	2 units
Recyclingwasseranschluß / recycled water connection	1 1/4"
Einspeisungs Wasseranschluß /feed water connection	1x 38 mm hose barb
Entleerungsleitung / discharge drain return	1x 63 mm
Wasserzähler / water meter	1 1/4"
Windkessel / air dome	25 liters



ADVANTAGES of FREYLIT CHVTP recycling systems

The CHVTP series has several advantages which we would like to briefly point out :

1. advantage : three stage solid removal

With the CHVTP system we remove suspended solids by a three stage process.

- a) By stainless steel pump protector coarse screen to block out solid waste
- b) By hydro-cyclone to remove larger particles.
- c) By dissolved air flotation to remove fine flakes and particles.

2. advantage : two stage de-germing process

- a) By high voltage electrode (30,000 Volts / 300 mAmps.)
- b) By our well established water stabilizer

3. advantage : removal of algae

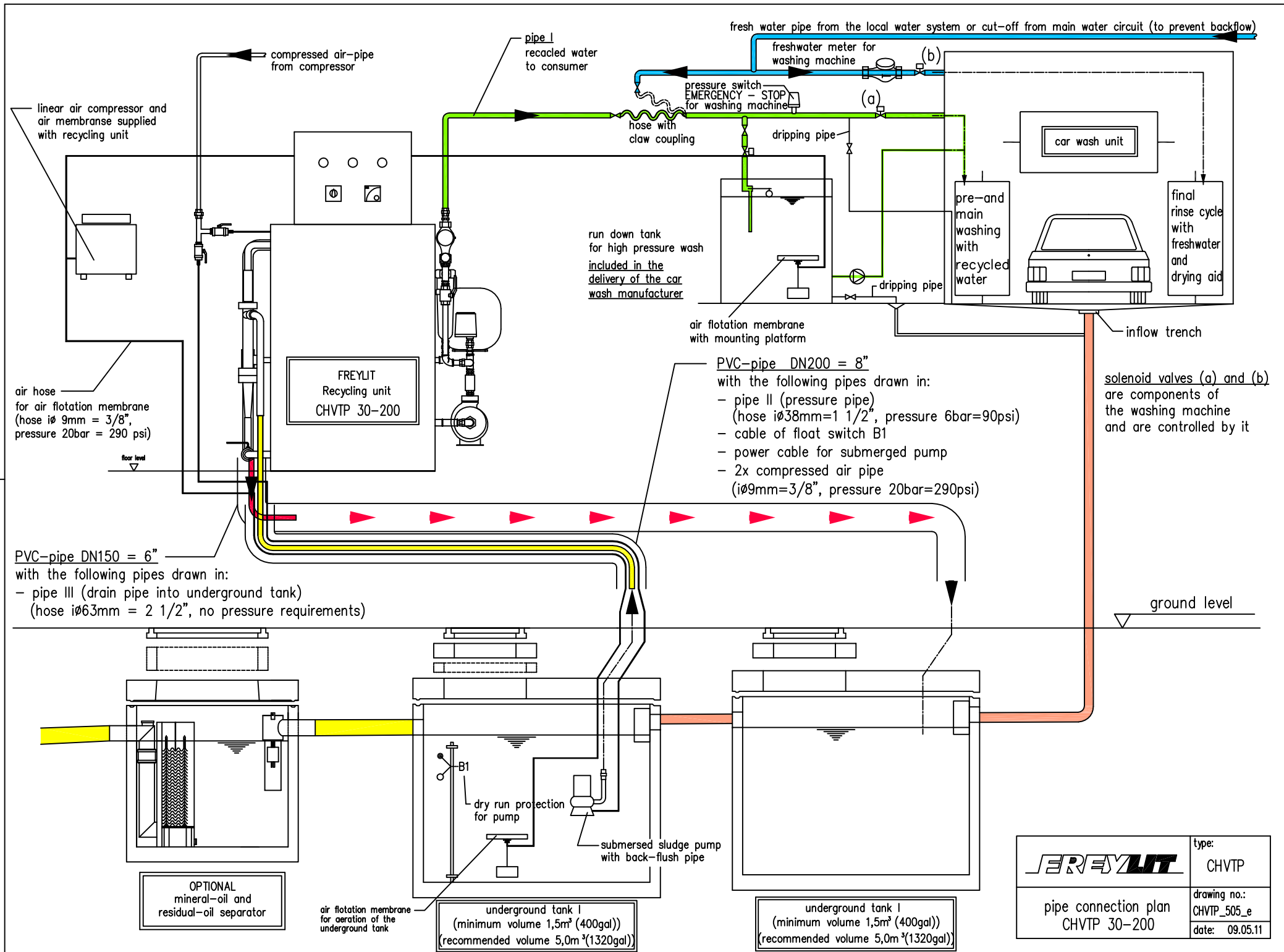
Freylit has been engaged for many years in researching new wash water recycling technology. Recently we discovered that, when wash chemicals are mixed together with dirt and exposed to sunlight algae will grow. These algae will stick to pipes, tanks, car wash and other surfaces and act as a culture for bacteria. These bacteria will cause bad odour. To combat this problem Freylit developed the high voltage electrode which does not only kill bacteria, but is also very effective in preventing the growth of algae. Moreover, the High Voltage Electrode will cause a flocculation of fine particles.

4. advantage : aeration for the buffer tank

An aeration pipe with nozzles is installed in the buffer tank.. By aeration the flakes are brought up to the surface of the water inside the buffer tank and then skimmed off the surface to the overflow back to the silt chamber.

5. advantage : easy installation, minimum civil works needed

The CHVTP series is ideal for retrofitting sites where the car wash already exists, because for example the CHVTP200 only needs two PVC-spring hoses to connect the unit to the underground pit. The CHVTP200 can work with only one underground tank with an approximate volume of 3780 litres (1000 gallons).



FREYLIT	type:
	CHVTP
	pipe connection plan CHVTP 30-200
drawing no.:	CHVTP_505_e
date:	09.05.11