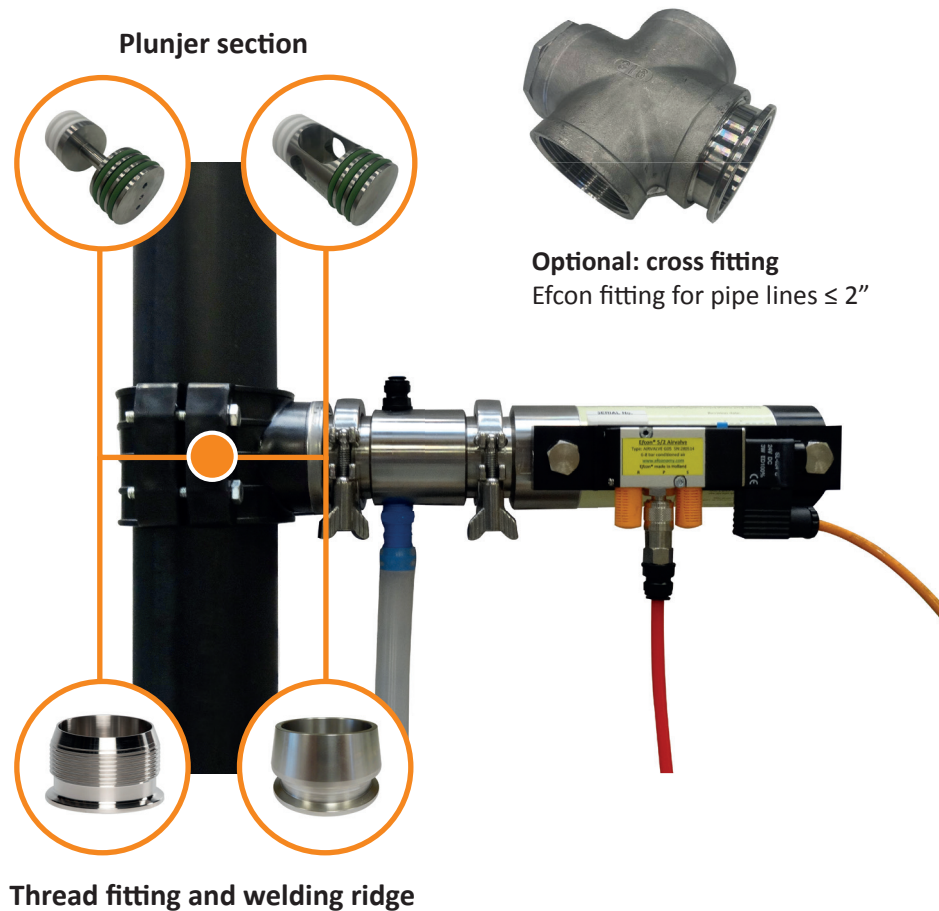


Sample Cycle:	± 5 sec total
Wetted parts:	SS316/V4A, PTFE, Viton, POM and Silicon
Material Plunger:	SS316/V4A
Material seals:	Viton & PTFE
Water temp:	Max 35°C optional 50°C
Max Pressure:	2,5 Bar optional 5 Bar
Min Pipe DN:	80 mm if smaller, use special EFCON [®] cross fitting
Outlet DN:	14 mm
Sample vol.:	50 ml fixed volume
Actuator:	Pneumatic
Air supply:	6-8 bar conditioned
Protection class:	IP 65
Encl. cylinder:	Front SS316 with aluminum cylinder
Air connection:	8 mm / 1/4" coupling
Activation time:	± 5 sec
Resp. contact:	Optional
Valve:	5/2 Valve
Power supply:	24 VDC ±5% / 0,13 A
Current:	0,13 A
Ambient temp.:	0,1°C / 40°C
Zone:	Not in EX zones

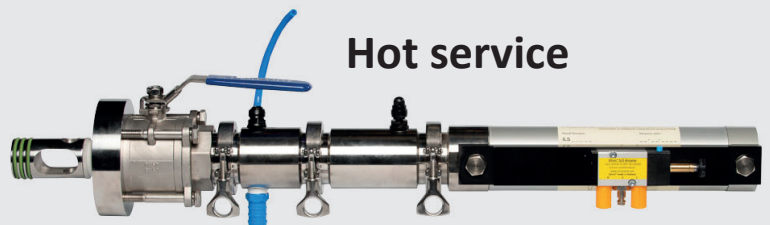
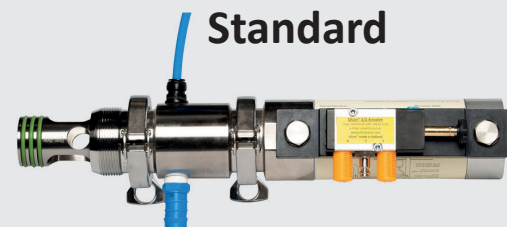


Thread fitting and welding ridge

The Efccon[®] ILS Guillotine

This is an automatic fixed volume sampler for use on 100 % filled and pressurised effluent lines. The sampled media must be liquid, and free of air / hard solids.

Designed for sampling of (raw) wastewater, the Efccon Guillotine sampler works with a maximum process pressure of 2.5 Bar and optional up to 5 Bar. This sampling method complies to EN ISO 5667-2, EN ISO 5667-10 and NEN 6600-1 and is equipped with a pneumatic actuator (6-8 bar).



Jazz controller:

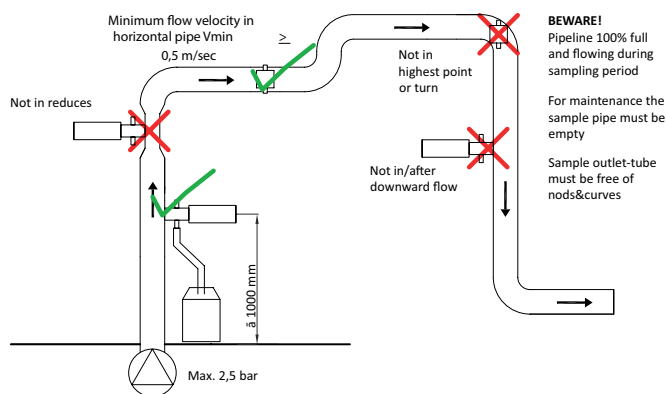
Display:	2 lines, 16 characters, 16 keys Totalizer 3000000,0 maz (auto reset)
I/O hardware:	8 digital inputs, 4 analog inputs
Quick buttons:	Manual sample, next container, reset
Inputs:	Flow Pulse, flow current 4-20mA, 2x programmable digital input
Outputs:	2x programmable relay output
Sample interval:	Volume, Time or Batch
Interval range:	0,1...2500,0 m3/sample 2...2500 minutes/sample
Max Error samples:	0...999
Sample volume:	20...250ml
Vacuum settings:	Purge, Suction & dose time 1...99 sec.
Turn time:	Clock time (RTC) or time interval
Container config:	1...24 containers, 0,1...99 liter
Password settings:	Yes
Flow signal:	Pulse / Current / pulse + current
Pulse range:	0,1...1000m3
Current range:	1...3600 m3/h
Input options:	PRG on/off, Start PRG, Stop PRG, take sample, next container & start cool unit
Output options:	General alarm, sample alarm, sampling active, sample OK, sample error, 1m3 pulse, 0,1m3 pulse, containers full
Communication:	Modbus RTU optional

Vision controller:

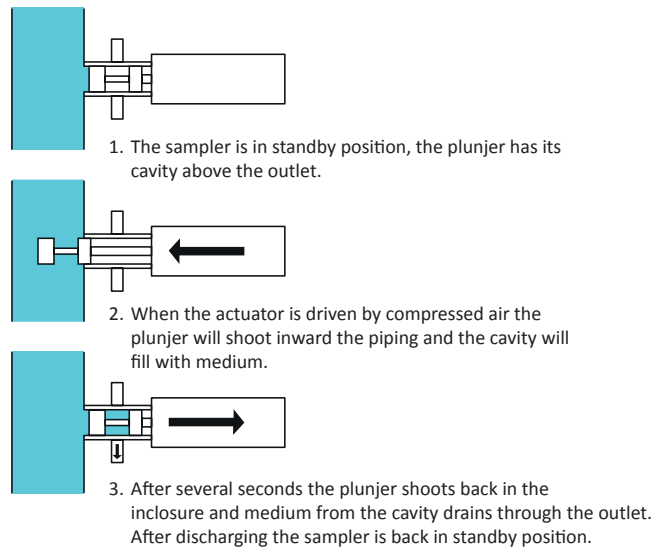
Display:	8 lines, 128x64 2,4" display, 20 keys
Settings:	Basic functions almost the same as the Jazz with extra options. Better HMI and used in customized applications
Sample settings:	Interval by day of the week
Distributor settings:	Selectable day of the week
Pump controller:	Optional (for ILS samplers only) 4-20mA level sensor input 1 or 2 pump controller with alternating function High/low level & overflow setting
Logging:	2000 log lines for daily/cycle totalizer 2000 log lines for time interval logging Data logging to micro SD-card Optional: Extra analytical values
Calendar sampling:	Program sampler to sample Full 1 year on specified calendar days.
Open channel flow measurement:	Optional: Bubbler or ultrasonic open channel flow measurement: Straight weir Venturi Formula 1: $Q=C \times (R)h^3 \times 3600$ Formula 2: $Q=C \times h \times 3600$ Data table over 24 points
Communication:	Optional: Ethernet, modbus & profibus
Software:	Free supporting software from Unitronics

Installation instructions:

- Place sampler in a 100% filled pipe free from air inclusion and in horizontal piping a minimum flow velocity of 0,5/s.
- Ensure there is enough height for the silicon hose which enters the inlet in the enclosure.
- Do not place the sampler in turns or reduces.
- For safe maintenance and reparations the sample pipe needs to be empty.
- Don't place the sampler in or after a downward flow
- Maximum pipe pressure 2,5 bar (optional 5 bar)
- Ensure the sampler doesn't stick in the piping in standby position.



Operational principal:



Distributed by:

