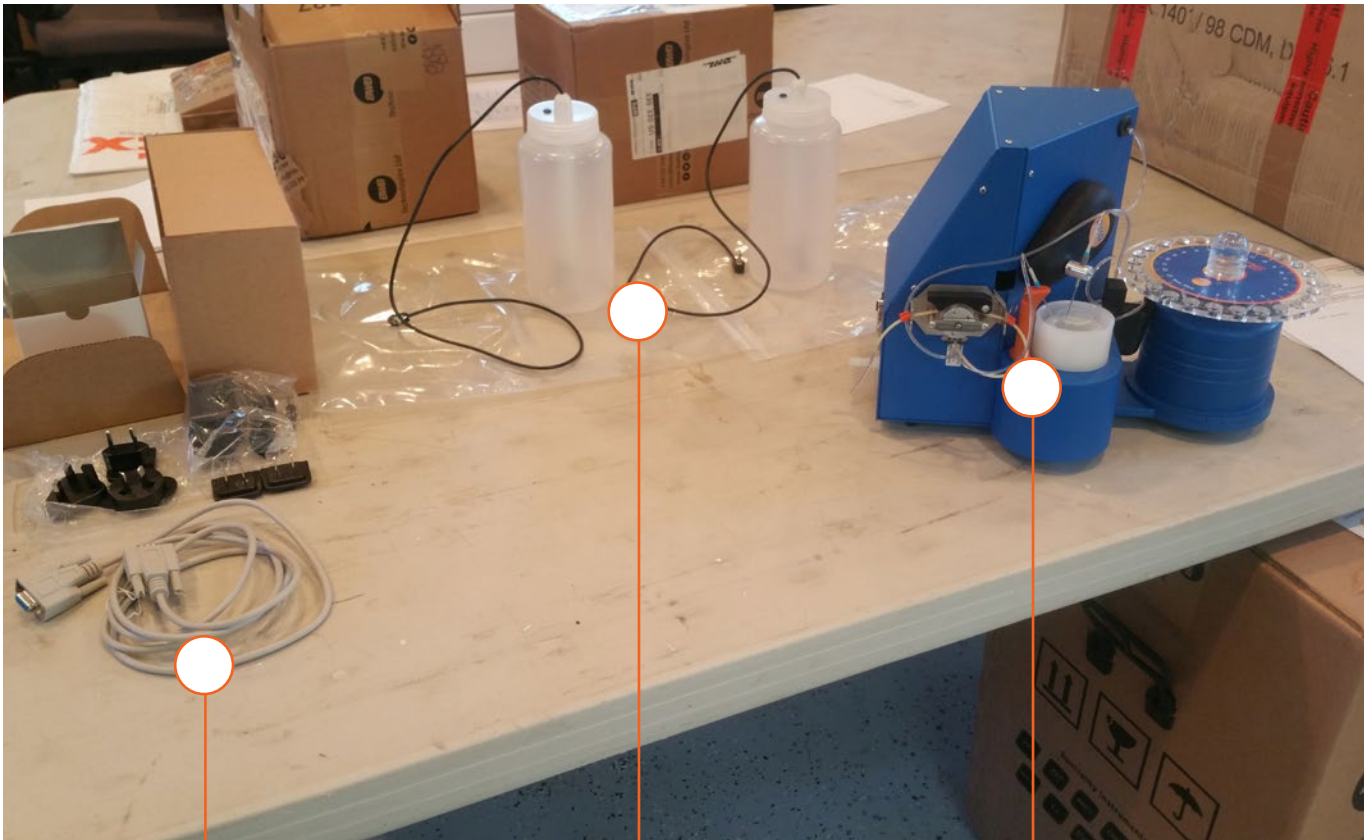


BWB Fixed Dilution Sampler (FDS)



BWB Fixed Dilution Sampler (FDS)

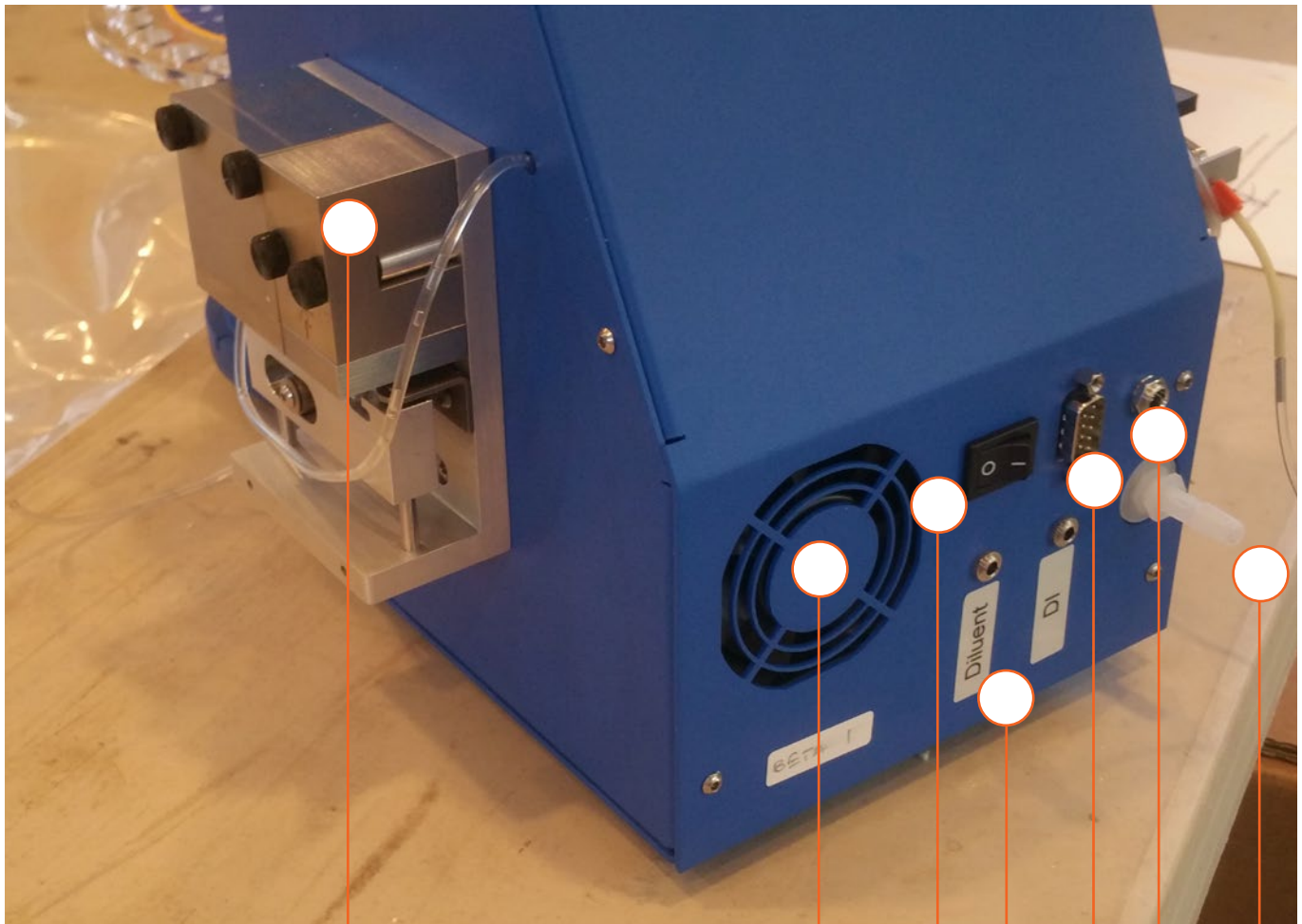


Patch cord Fixed Dilution Sampler (FDS) to Flame Photometer (FP) and connectors

2 bottles - diluent and internal reference solutions

Side view of FDS with mixing cup and carousel tray

BWB Fixed Dilution Sampler (FDS) - Rear view



Fixed dilution
block

Exhaust
fan

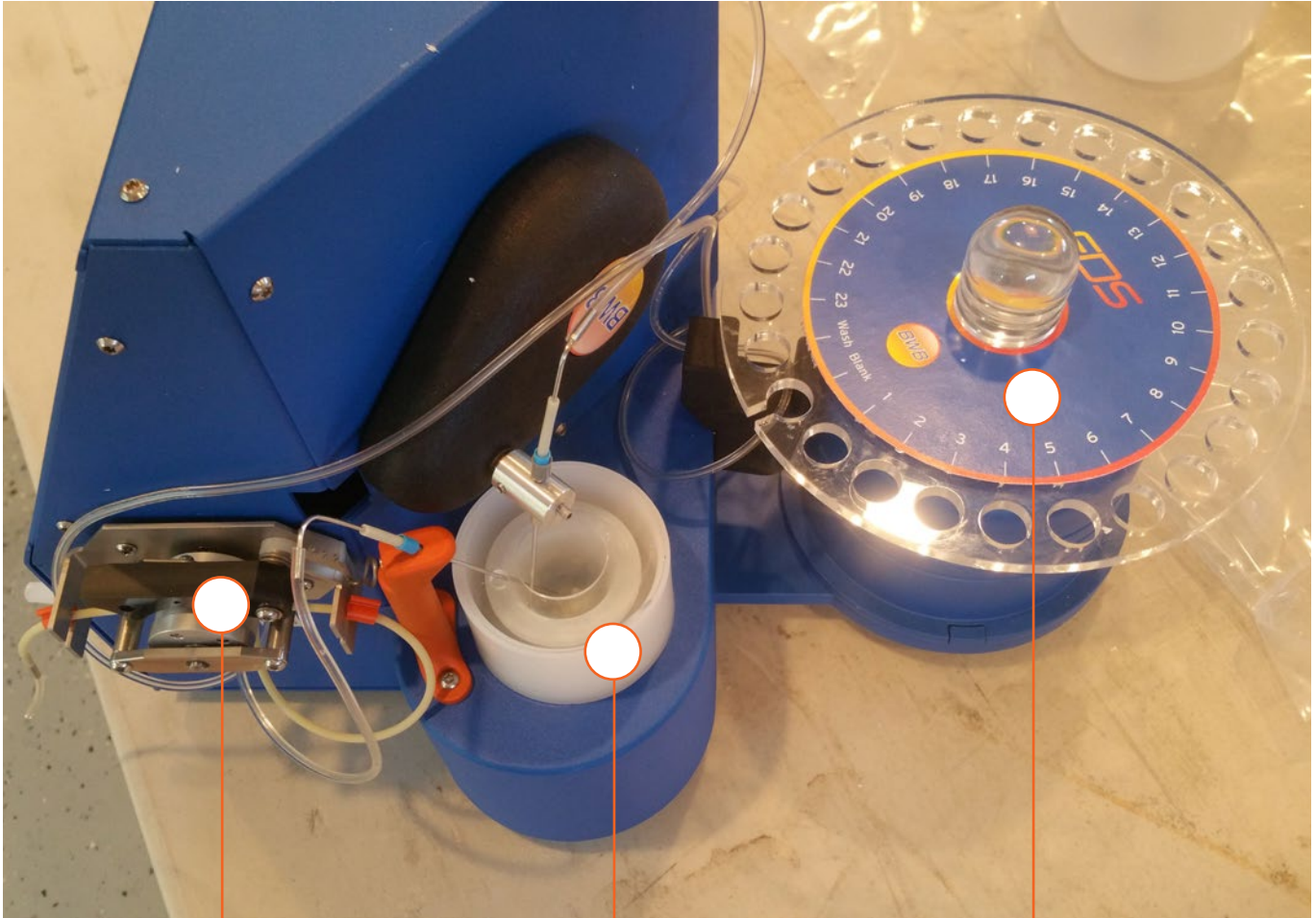
On-off
switch

FDS-FP
connector

Power
in Waste
out

Diluent-DI water
reservoir switches

BWB Fixed Dilution Sampler (FDS) - Top down view



Peristaltic
pump

Injection cannula into
Spinning Mixing Cup,
aspiration cannula feeds
fixed dilution block on other
side (not shown)

23 wells tray with
"wash" and "blank"
positions.
Uses 3ml vials

BWB Fixed Dilution Sampler (FDS) - Coupling



BWB Flame
Photometer

Fixed Dilution
Sampler

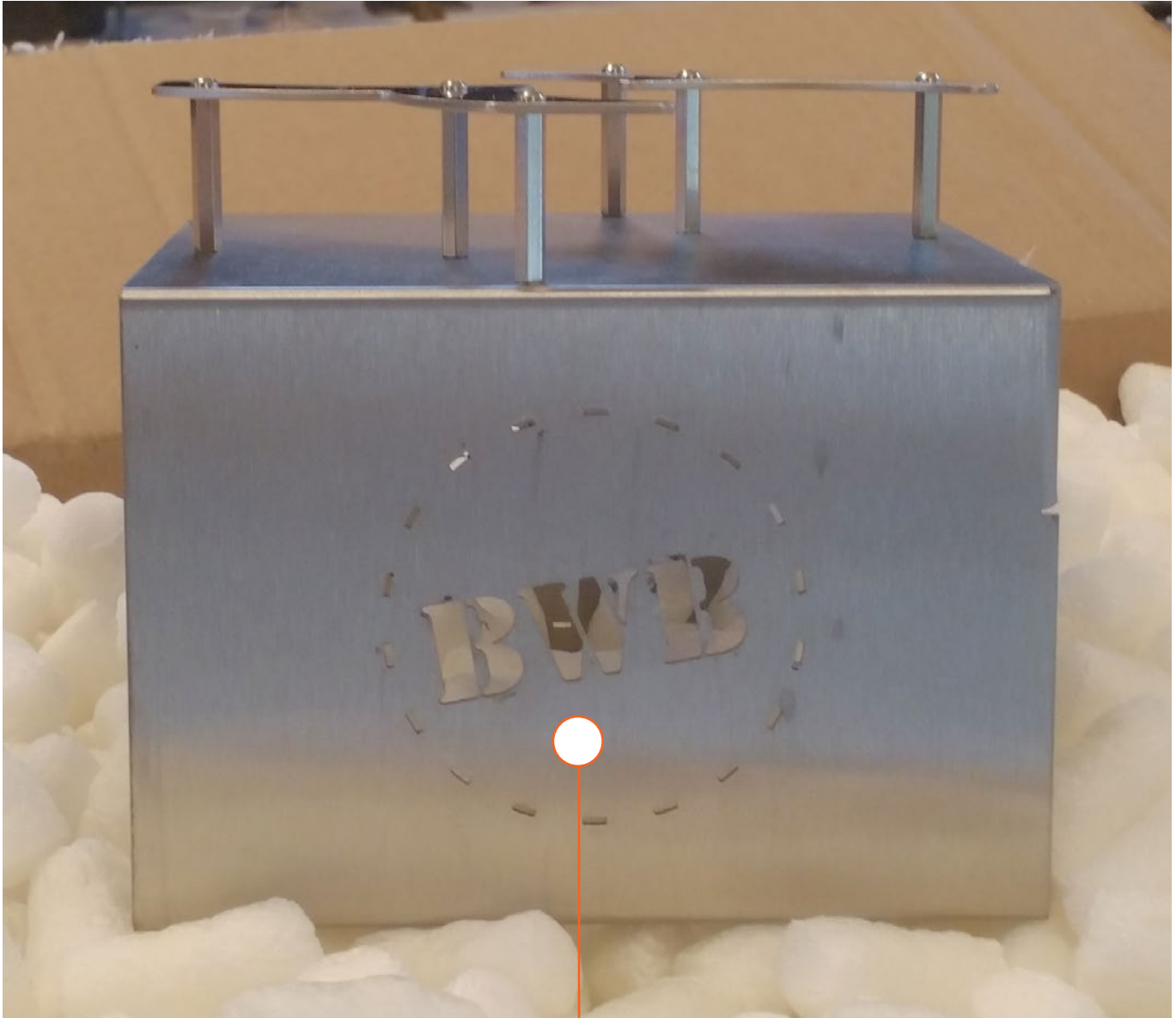
BWB Fixed Dilution Sampler (FDS) - Rear and side view



Bag of 500
x 3ml vials

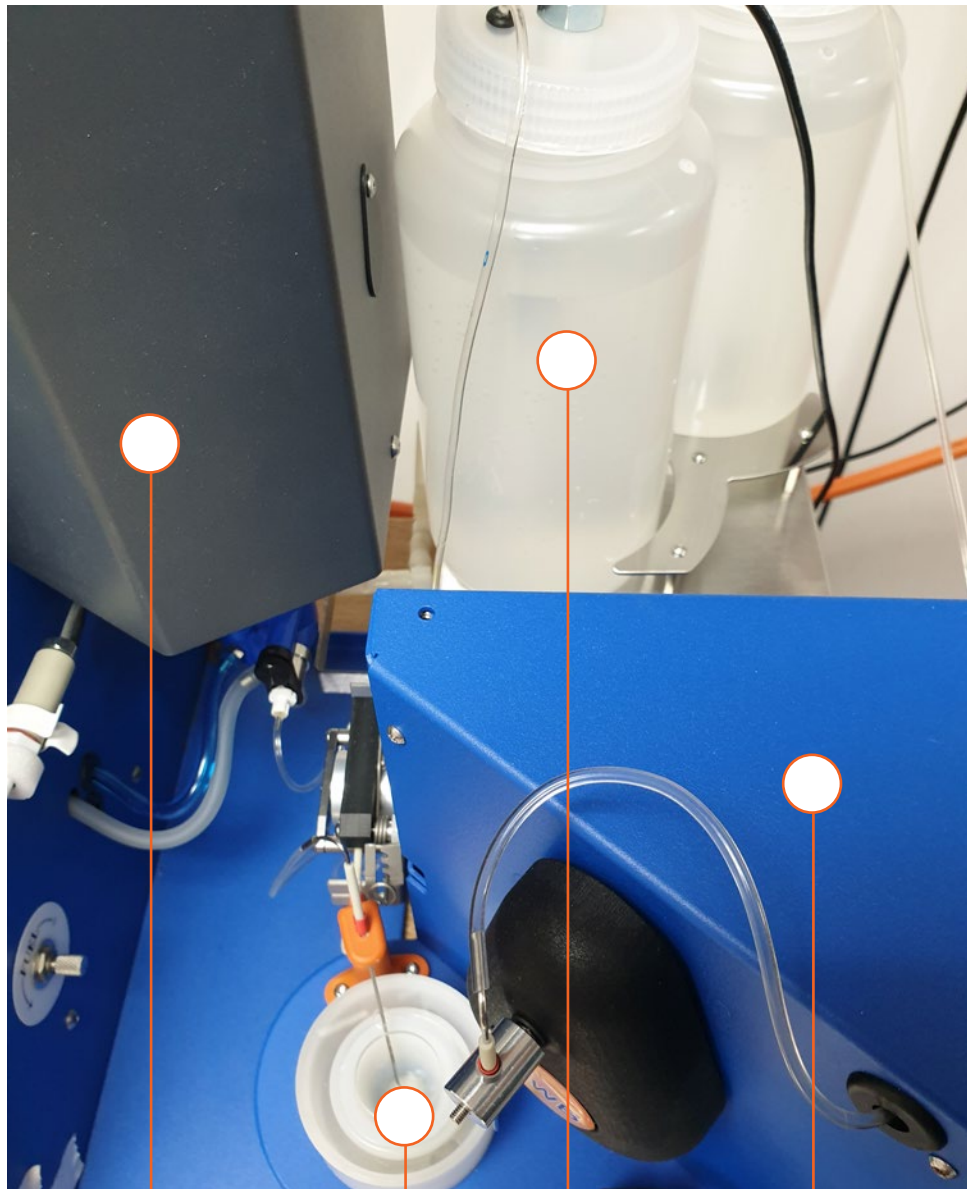
Rear and side view
with connections

BWB Fixed Dilution Sampler (FDS)



Bottle holder set up

BWB Fixed Dilution Sampler (FDS) - Top down view



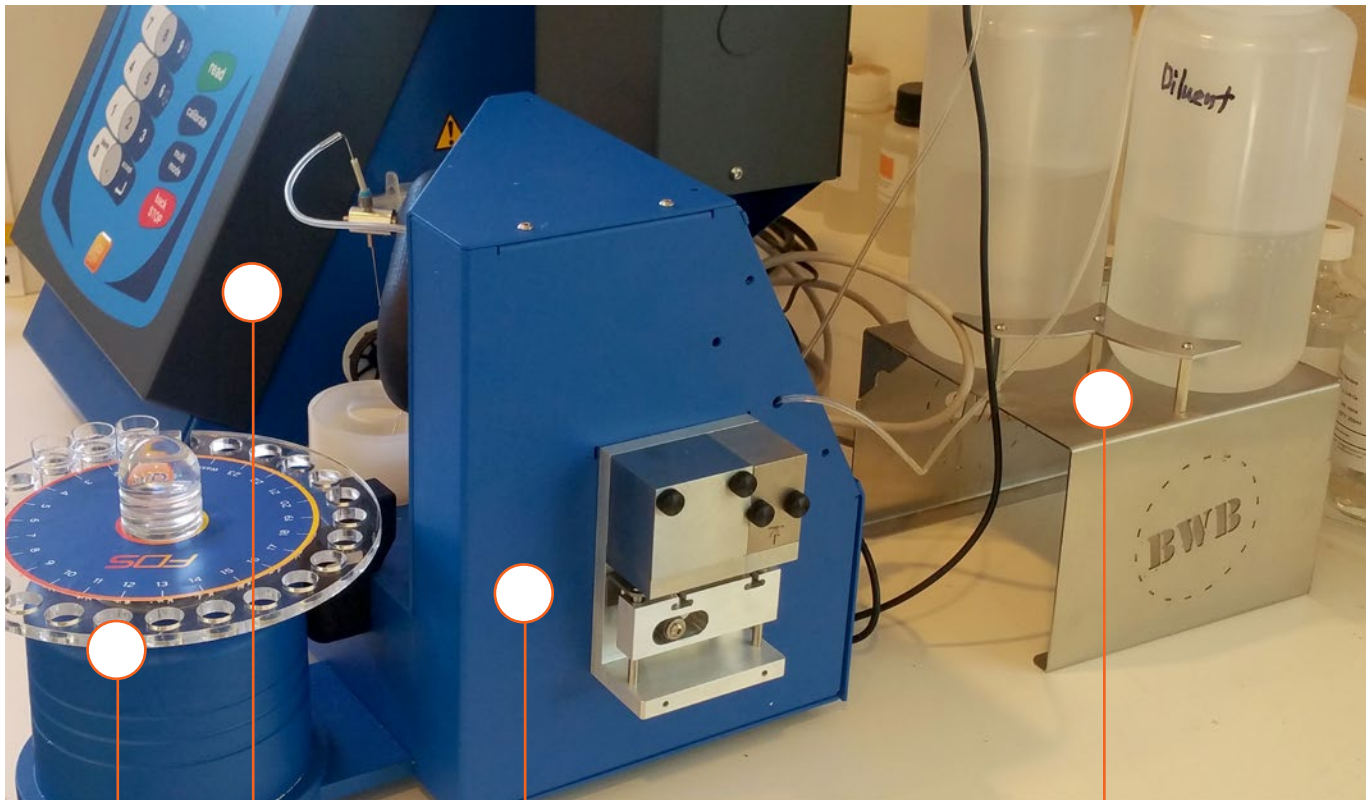
FP

Mixing
Cup

Diluent
bottles

FDS

BWB Fixed Dilution Sampler (FDS) - Top down view



Wells
tray

FP

FDS

Diluent
bottles

BWB Fixed Dilution Sampler (FDS)

+ DESCRIPTION OF THE FIXED DILUTION SAMPLER



sample is taken from vial

cannula moves to sample cup

sample is deposited

cup spun back and forth to mix

aspiration needle is engaged and aspiration started

cannula is moved to the next sample position

cannula moves out of the sample cup and the next sample is drawn into the piston

FP takes sample

once sample locked. aspiration needle is removed from cup cup is spun to empty

cannula moves back into cup and deposits wash solution

aspiration needle removed from cup and cup spun



end of sample routine

+ PRELIMINARY SPECIFICATIONS

Weight
6kg

Dimensions
Height 24cm
Width 24cm
Length (depth) 35cm
inc. carousel & tray

Power
12vdc, 5 Amp peak current
(power supply included)

Diluent reservoir
500ml (round polypropylene)
- with 1.0L option

DI (wash) reservoir
1.5L (round polypropylene)

Diluted sample volume
4ml

Non-diluted sample volume
3ml

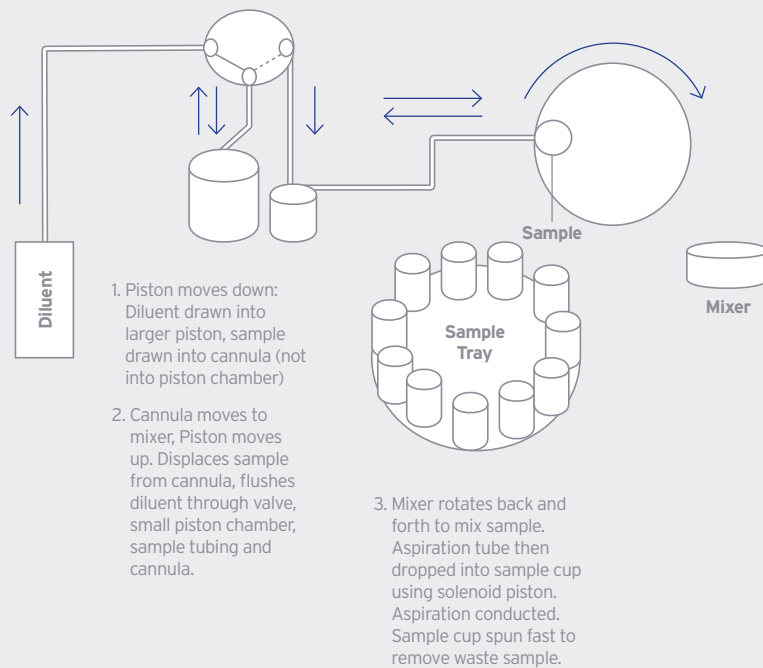
Diluted sample time
~40 sec

Non-diluted sample time
~30 sec

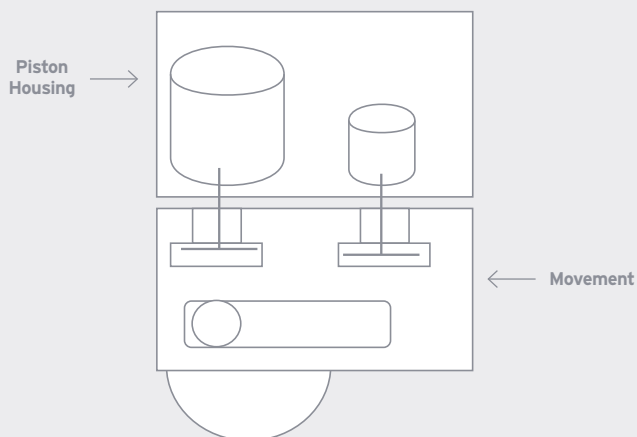
Max tray size
24

BWB Fixed Dilution Sampler (FDS)

The BWB FDS is modeled from the IL 943 Dilution and Sampling System

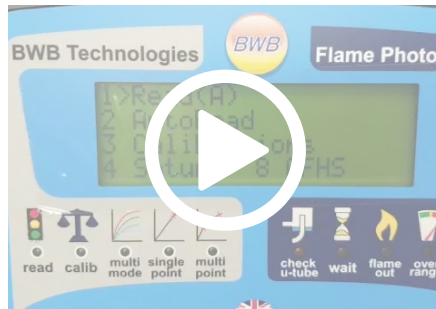
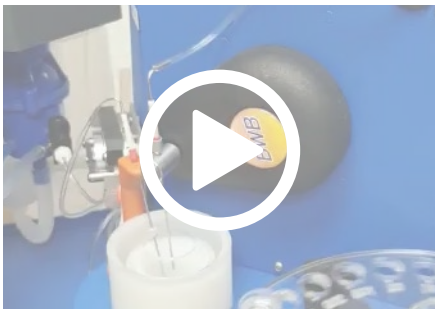
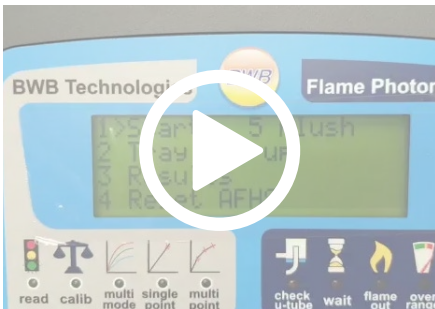


BWB FDS Fixed Dilution Ratio blocks 200:1, 100:1, 50:1, 40:1, 10:1



BWB Fixed Dilution Sampler (FDS)

+ OPERATING VIDEOS



+ CONTACT INFO

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