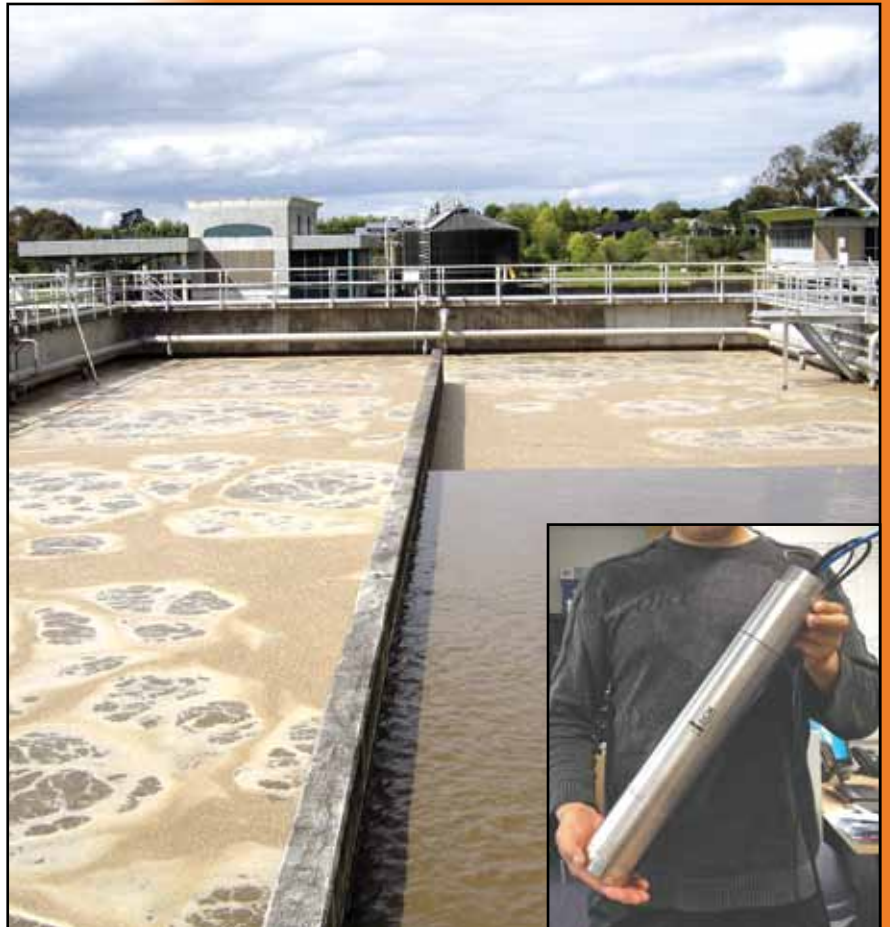


Info Sheet

- Reliable sample delivery
- Low and simple maintenance
- Intrinsically safe (pneumatic)
- Versatile and easy to install
- Safe & portable
- Simple to set up and operate
- Can run off a compressed air bottle
- Cost Effective



SDU (Sample Delivery Unit)

Designed to transfer liquid samples from almost any location to measurement or sample storage systems.

What is it?

The DCM sample delivery unit (SDU) is an efficient and reliable way of providing intermittent water and unscreened wastewater samples to the scan spectrometer and/or other sensing system from all natural and man-made water sources. The SDU consists of a self-cleaning raw water filter, built in valves, a sample chamber and a pneumatically operated control module. The SDU has been designed to deliver samples of approx. 700ml on demand to the DCM water quality monitoring station, matrix panel, tank or other specified sensor system.

How it works

The operation of the SDU is controlled by air solenoids with associated pinch valves. The control module operates on 10-28VDC or 12-24VAC. The customer selects the sample delivery interval to achieve effective sample delivery. The sample is drawn into the sample chamber using a reduced pressure system. The sample is then pushed to the sensing package. When the sample delivery is complete, the system goes into wait mode prior to the next cycle. The retained internal delivery pressure is used to automatically flush the inlet prior to the next fill cycle.

Specifications

Air Supply Pressure:	100 PSI
Air Volume / Cycle:	Approx. 4L (STP)
Supply Voltage:	10-28VDC or 12-24VAC
Power:	2.4W
Sample Volume:	700ml/cycle
Min Cycle Time:	2 minutes
Max Delivery Head:	> 30 metres
Min Liquid Depth:	Approx. 17mm
Wetted Materials:	316 s/s, Nylon, Viton

Contact Details

Auckland Office

Level 1, 131 New North Road
Eden Terrace
Auckland
New Zealand

Ph: +64 9 365 2774
Fax: +64 9 365 2776
0800 345 456

nzoffice@dcmprocesscontrol.com

Brisbane Office

Unit 4/18 Tombo Street
Capalaba
Queensland 4157
Australia

Ph: +61 7 3107 1304
Fax: +61 7 3112 5046
1300 735 123

ausoffice@dcmprocesscontrol.com

Melbourne Office

30 Argyle Street
Fitzroy
Victoria 3065
Australia

Ph: +61 3 9417 0254
Fax: +61 3 9417 0294
1300 735 123