



Portable, fully enclosed Chemical dosing unit for temporary, emergency & Modular applications 0.025—150 l/hr

Principle A portable fully enclosed chemical dosing system comprising a weatherproof Polyethylene rotationally moulded enclosure into which is fitted a Digital dosing pump complete with control valves, leak detection switch, automatic control options, etc.

Uses Designed primarily for temporary or emergency use to dose Chemical from an IBC or other existing storage vessel. The DosingCube™ can also be used as an interchangeable modular system for permanent dosing systems.

Ease of Use By utilising compact Digital dosing pumps which have a user interface that lets you enter the dosing rate you want directly on the screen, the DosingCube™ enclosure can be small enough to be portable. Furthermore, with a very wide turndown ratio (1000:1 for smaller pumps 800:1 for large pumps) and no need for complicated stroke rate calculations, the DosingCube™ is truly "plug & play".

DosingCube™ Configurator WES DosingCube™ is a versatile safe and secure system that can be fully "configured" to specific customer / industry requirements.

Features:

- Polyethylene enclosure IP54 rated with integral drip-tray, resistant to most Chemicals, lockable toggle catch closure, carrying handles, clear window.
- Digital Dosing Pumps allowing direct operator entry of dose rate. Also, allowing manual or auto operation modes with direct input of pulse or 4-20mA flow proportional control signals.
- Dual contained pipework connections. Suction & delivery pipework can be dual contained with the outer sleeves connected directly to the DosingCube™. Any pipework leakage is detected by the switch in the drip tray.
- All DosingCube's™ are dual voltage 110 or 240v - 110v plug on flying lead supplied as standard.
- Safety splash screen—even with the lid open, the pump head, valves & pipe work are covered with a clear uPVC screen.
- Dose rates—Models available allowing dose rates as low as 0.0025 l/hr or up to 150 l/hr.
- Drip tray/bund—The integral drip tray will contain any leakage and the level switch will inhibit the pump. A drain plug allows any residual chemical to be drained safely.
- Health & Safety—With integral chemical containment, automatic leak detection cut-off & splash screens, etc. The DosingCube™ provides a safe dosing system for both operator & environment.



Technical Specifications	DosingCube™ size		
Product name	DC2.5 - DC30	DC60	DC150
Dimensions mm (W x L x H)	450 x 450 x 480	450 x 450 x 480	450 x 450 x 480
Weight kg	14	23	24
Dosing Line	Various options	19 x 13 reinforced PVC hose	19 x 13 reinforced PVC hose
Secondary containment	19 mm ID reinforced PVC hose	25 ID reinforced PVC hose	25 ID reinforced PVC hose
Material of construction	Polyethylene Enclosure, uPVC valves, pipes & uPVC/PP pump head. Other valve & pipe materials available.	Polyethylene Enclosure, uPVC valves, pipes & pump head. Other valve & pipe materials available.	Polyethylene Enclosure, uPVC valves, pipes & pump head. Other valve & pipe materials available.
Operating voltage	Dual - 240 or 110 vAC (110v plug on lead supplied as standard)	Dual - 240 or 110 vAC (110v plug on lead supplied as standard)	Dual - 240 or 110 vAC (110v plug on lead supplied as standard)
Control	Various automatic control options are available through the digital pump I/O connections. Further in-built timers/controllers also available.		
Bund/Drip tray	The DosingCube™ itself forms a bund, which incorporates a level switch for leak detection. The pump is turned off if a leak is detected.		
DosingCube™ customisation	By using the "DosingCube™ Configurator" you can build your own specification: Pump type, materials of construction, additional safety features such as safety guards, bund spill alarms, Pump protection, plus many other features, "your company" livery / logo?		

Digital Dosing Pump			
Dose rate capacity l/hr	11 variants from 0.0025 l/hr up to 30 l/hr max.	0.075—60 l/hr	0.2—150 l/hr
Back pressure (bar)	3—20	10	4
Suction Lift (m) max	6	6	6
Head material	Standard uPVC or PP with options of PVDF/SS	Standard uPVC with options of PP/PVDF/SS	Standard uPVC with options of PP/PVDF/SS
Turn down ratio	1000:1	800:1	800:1
Flow displayed	Yes	Yes	Yes

Accessories & Other Options:

A full range of accessories including timers, duty/standby controllers, suction & delivery hoses, suction lances, foot valves, injectors, support brackets, IBC;s, IBC bunds, storage tanks, unit vent fans, audible visual alarms, etc. are available.