

FluidX XSD-1 Semi-Automatic Single Tube Capper/Decapper

The XSD-1 is the first-of-its-kind, single tube capper/decapper in the industry. It provides a low-cost, reliable solution for managing the automated capping and decapping of single and larger sized master sample tubes such as: centrifuge, cell culture and even glass tubes. Unlike many products on the market, where an engineering change of the gripper is required in order to tighten different tube types, the XSD-1 allows you to manage a variety of tube types with a simple, interchangeable cap-driver system which can be changed in 5 seconds.

A flexible, faster and lower cost option for managing the capping/decapping of larger sample tubes in the laboratory, XSD-1 is compatible with FluidX sample storage tubes, as well as a wide variety of tubes, with internal and external threads, from almost all major manufacturers.

XSD-1 is designed to improve productivity while reducing the risk of repetitive strain injury.



KEY FEATURES

- ✓ Fastest and most consistent single tube capper/decapper on the market
- ✓ Perfect for automating the handling of larger sized master sample tubes such as: centrifuge, cell culture or even glass tubes
- ✓ Interchangeable cap driver kit for any tube format (9mm-40mm)
- ✓ Change the cap driver in 5 seconds
- ✓ Easy, single button, multi-torque control
- ✓ Suitable for use inside a laminar flow cabinet
- ✓ Low cost, automated solution

Automation for Fast and Consistent Capping Performance

- ✓ The same torque is applied to each cap, according to tube manufacturer specification, in order to ensure a consistent seal quality
- ✓ Automation reduces sample handling time, increasing sample throughput and workflow
- ✓ Screw caps can be held within the XSD unit whilst the user fills, or accesses, the sample tube
- ✓ Caps can subsequently be re-applied to the same tubes, eliminating the risk of cross-contamination

Broad Compatibility for Every Laboratory

- ✓ XSD-1 is compatible with sample storage tubes from almost every manufacturer, as long as the screw cap can be gripped with cap drivers and the cap has a diameter from 9mm up to 40mm
- ✓ By adjusting the tube pitch required for each tube manufacturer, XSD-1 ensures that caps are not cross threaded during the capping cycle

Multiple Torque Control and Interchangeable Cap Driver

- ✓ Quick, user-friendly, interchangeable cap driver
- ✓ Cap driver can be changed in less than 5 seconds
- ✓ Torque is adjusted to fit the majority of tubes, allowing users to determine the optimal setting for their tubes
- ✓ 3 different torque settings: Low, Medium and High
- ✓ Easy to Use

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Technical Specification

Dimensions	333(L) x 110(W) x 300(H) mm
Weight	6.0 kg
Power Requirements	AC 100 -240V, 50/60 Hz, 26W
Cycle Time Decap	< 3 sec per tube
Cycle Time Cap	< 3 sec per tube
Compatibility	Standard sized tubes with screw cap (verify gripper list)

Ordering Information

46-6001	XSD-1 Semi-Automatic Single Tube Capper/Decapper interchangeable cap drivers and multiple torque settings. Specify tube type when ordering
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Ordering Information - Grippers

46-6002-1	Gripper kit XSD-1 , TRP tube 50ml Cap (Fujifilm)
46-6002-2	Gripper kit XSD-1 , BD Falcon tube 50ml Cap
46-6002-3	Gripper kit XSD-1 , BD Greiner tube Cap
46-6002-4	Gripper kit XSD-1 , Sarstedt 0.5 & 1.5 & 2.0ml Cap
46-6002-5	Gripper kit XSD-1 , FluidX 6 & 10ml Automation-Friendly Cap
46-6002-6	Gripper kit XSD-1 , Corning 21mm Cap
46-6002-7	Gripper kit XSD-1 , FluidX 6.0 & 10ml External Cap
46-6002-8	Gripper kit XSD-1 , FluidX 4.0ml Glass Jacket Tube Cap
46-6002-9	Gripper kit XSD-1 , Ø 50mm Cap for glass container
46-6002-10	Gripper kit XSD-1 , FluidX / Greiner Ext & Sarstedt Internal Cap
46-6002-11	Gripper kit XSD-1 , Greiner/Corning 1.2ml – 5.0ml Cap
46-6002-12	Gripper kit XSD-1 , Fisher Custom Tube Cap dia. 16mm
46-6002-13	Gripper kit XSD-1 , Falcon 15mm dia. centrifuge tube
46-6002-14	Gripper kit XSD-1 , FluidX 96-format External & Internal Co-Molded Caps
46-6002-15	Gripper kit XSD-1 , Sarstedt 12ml screwcap tube (60.9922.937); dia. 16mm
46-6002-16	Gripper kit XSD-1 , 3.5ml 14mm dia. False Bottom MarketLab Tube (Inpeco tube, EXT)
46-6002-17	Gripper kit XSD-1 , Glass Vials, 4ml (dia. 15mm,length 48mm, GNF)
46-6002-18	Gripper kit XSD-1 , 50ml, green cap, dia. 35.8mm, customised tube for optimum processing

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