

## Keg Handling and Powder Discharge System

### Keg Handling and Powder Discharge System

KHS/50/800-1200/B/180DEG

#### Keg Handling and Powder Discharge System Description

This Keg Handling and Powder Discharge System was manufactured from 316L stainless steel throughout with a minimum 240 Grit finish to all non-contact parts. This included the box section structure of the hoist, the Keg Platform, the Keg rotation mechanism and all ancillary parts to the hoist such as the base plate, pneumatic cylinder enclosure etc.

A 20 Kgs Keg of Penicillin was loaded onto the lifting platform and elevated via a pneumatic cylinder to dock with the Vibratory Feeder Tube. Once docked, the whole assembly including the feeder could be rotated through 180 degrees via a braked manual stainless steel gearbox. In the rotated position, the Penicillin fed into the Vibratory Feeder Tube, along the tube to the discharge end.



*Keg Handling and Powder Discharge System*

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**Keg Handling and Powder Discharge System Specification**

DESCRIPTION	KEG HANDLING & POWDER DISCHARGE SYSTEM
MODEL No.	KHS/50/800-1200/B/180 DEG
CAPACITY	50 Kgs
MINIMUM HEIGHT	800mm
MAXIMUM HEIGHT	1200mm
STROKE	400mm
BASE ARRANGEMENT	BOLTED TO THE FLOOR

**Keg Handling and Powder Discharge System Application Story**

This Keg Handling and Powder Discharge System was required to handle a Keg of Penicillin in an Aseptic Environment to allow the Keg to be unloaded in a safe and controlled manner. The Keg was loaded onto a lifting platform and raised to dock with a Vibratory Feeder Tube. Once docked, the Keg was rotated through 180 degrees via a manual stainless steel gearbox and drive. The Vibratory Feeder Tube was then started to discharge the Penicillin at the required rate. All equipment was built to a very high Pharmaceutical Aseptic Environment Standard.

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REVISION NUMBER  
 CUSTOMER

DRAWING TITLE

KEG HANDLING & POWDER VIBRATION DISCHARGE SYSTEM

DRAWN JPV  
 CHECKED JPV  
 DATE 01-NOV-07  
 DRAWING NUMBER

BP3184-8A

REMOVE ALL BURRS AND SHARP EDGES  
 TOLERANCES : UNLESS OTHERWISE STATED  
 FABRICATIONS : +/- 2mm  
 MACHINING : +/- 0.2mm  
 SHEET METAL WORK : +/- 1.0mm AND +/- 1.0 DEG.

