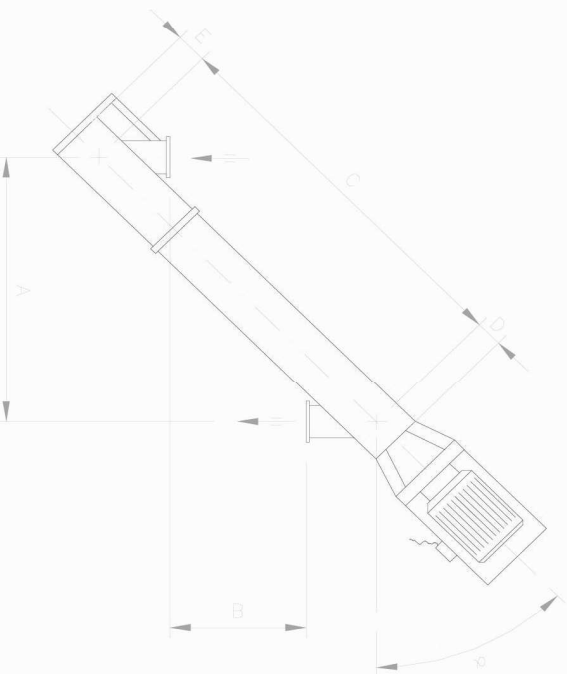# Pharma Screw

PROFILE

The PHARMA SCREW is a complete range of sanitary spiral screws designed and built for the pharmaceutical industry applying innovative and proprietary technologies

Extreme ease of cleaning, thanks to the structure that can be opened lengthwise, making the screw and the dust seal points completely accessible.

Application of the latest state-of-the-art technologies for the protection from dust of the mechanical organs.

Reduced and simplified maintenance.

DESCRIPTION

Parts

The spiral screws are entirely realised in 316 L stainless steel, apart from the transmission and the electric motor.

Upon request they can be realised in alternative materials.

They are fine polished internally $Ra <= 0.2$ micron, and satin finished externally.

The screws feature a load bearing structure independent of the screw movement and the powder conveyance cylinder.

The whole section is supported by a frame built in 304 satin finished stainless steel, duly counterweighted and complete with wheels and ground fixings.

Product loading

From the gate, normally equipped with and efficacious bridge-breakers, and directly activated by the movement of the screw.

Allarms and controls

The emergency button causes, upon activation, immediate halt of the machine.

The shaft movements are protected by means of maze seals with nitrogen flushing.

With this technique an elevated degree of cleanliness of the shaft movements, a drastic reduction in risks of cross contamination and a significant reduction in wear and tear phenomena is assured.

In this way the CIP operations to ensure the changeover of lots of productions does not require any dismantling of the shaft movements.

Model	PS 800	PS 1200	PS 1600	PS 2000
Quote	Dimension (mm)			
A	800	1200	1600	2000
B	265	665	1065	1465
C	1128	1692	2256	2820
D	90	90	90	90
E	100	100	100	100

Dimensions may vary for particular applications

Accessories
Trolley and movable wheels with locking device
Maintenance contract