

3 Position Dosing Actuator

USE:

Filling and dosing of fluids or halfsolids materials by means of a special metering device.

Double acting actuator for fine or rough dosing.

EXECUTION:

With DIN/ISO 5211 DIN 3337



CONSTRUCTION:

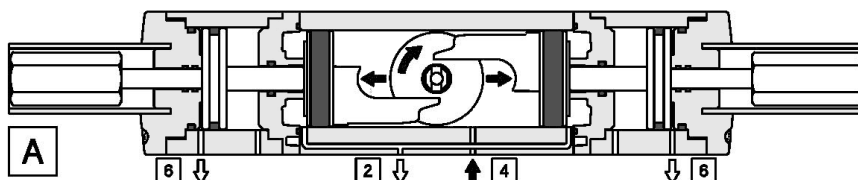
The basic model consists of an Actuatch double acting actuator, equipped with two additional cylinders whose inner-pistons, by means of a stroke adjustment device, stop the rotating angle of the actuator to a pro-set position, preventing it from a complete rotation .

Thanks to stroke adjustment device , the desired metering can range from 0° to 45°.

WORKING SYSTEM:

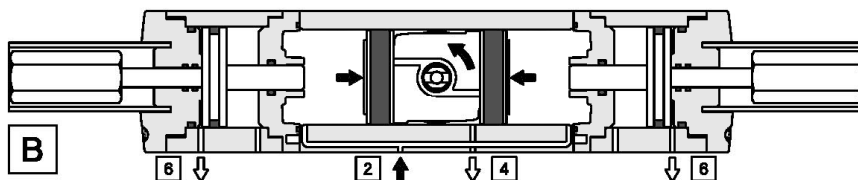
A) FULLY CLOSED POSITION

In this position the air is supplied to port 4 with exhaust air at port 2 and 6.



B) FULLY OPEN POSITION (90° rough metering)

In this position the air is supplied to port 2 with exhaust air at port 4 and 6.



C) INTERMEDIATE POSITION (fine metering)

In this position the air is supplied to port 6 than to port 4, with exhaust air at port 2.

In this case the external pistons will move to the desired rotating angle , consequently reducing the total valve flow.

