

Rotary Dosing Unit AXDV-R1

000806X

Model	AXDV-R1-F
Construction Type	With Vario-Metering Valve AXDV-V1
Version	For Operation Medium Grease



Description

Perfect applications for cylindrical internal lubrication

With the ABNOX Rotary Dosing Unit AXDV-R1, greases in different layer thicknesses, can be dosed into cylindrical bodies. Thus, different diameters can be processed without retooling and by the use of a motorised moving system, a sequential machining of the components in the axial direction is possible.

Due to the innovative concept of the media guide through the centre axis of the drive motor, a significant reduction of the dead volume after the dosing element could be achieved. Due to the modular design, different lance lengths and centrifuge plate diameters can be realized.

Based on the use of a servo motor, variable, media-dependent speeds can be realised. The integrated speed monitoring allows the monitoring of the rotation of the lance and thus the dispensing of the medium to be dosed.

Thanks to the integrated Vario-metering valve, the required dosing quantity can repeat the lubricant application, or be adapted to the travel in the axial direction.

Range Rotary Dosing Unit AXDV-R1



Article No.	Model	Plate diameter	Lance length
0008059	AXDV-R1-D08-F-L050-V1	8 mm	50 mm
0008061	AXDV-R1-D08-F-L140-V1	8 mm	140 mm
0008062	AXDV-R1-D16-F-L010-V1	16 mm	10 mm
0008063	AXDV-R1-D16-F-L100-V1	16 mm	100 mm
0008064	AXDV-R1-D16-F-L160-V1	16 mm	160 mm

Accessories



Description	Article No.
Cable set 2.5 m	0008066
Cable set 5.0 m	0008067
Servocontroller R15, control via digital I/O's	0008069
Connection cable Vario-Metering Valve M12x1, 8-pole, socket open, cable length 1.5 m	0006996
Connection cable Vario-Metering Valve M12x1, 8-pole, socket open, cable length 2.5 m	0009832
Attachment BS10, for Bosch profile with groove 10	0008073
Attachment FD20, for Festo mini slides DGSL 20	0008074
Attachment SX20, for SMC compact slides MXS 20	0008075
Attachment FE45, for Festo electric slides EGSL 45	0008076



Servocontroller R15, Article No.: 0008069

Experience the rotary dosing unit in action in a typical application in the following film:

In cooperation with our partner:

Synchronised grease application by means of a robot; a rotary dosing unit is permanently installed!



Technical Data

Centrifugal plate diameter [mm]	8	16
Lance length [mm]	50, 140	10, 100, 160
Operation medium	Grease	Grease
Speed [rpm]	3000, 6000, 9000	3000, 6000, 9000
Hydraulic connection	Internal thread 1/8" BSP	Internal thread 1/8" BSP
Max. inlet operating pressure	Depending on the material supply used	Depending on the material supply used
Voltage [V]	230	230
Frequency [Hz]	50	50
Min. / Max. temperature [°C]	10 / 40	10 / 40

