

AXDV-C2 (V3.0)

4192302

Model AXDV-C2 (V3.0)

Construction Standard

Type

Version 10 - 200 mm³



Description

Ultimate process reliability at lowest dosage volumes – made possible by the new ABNOX Valve AXDV-C2. It allows accurate placing of minute quantities of your complex lubricant on your device. Precise and clean application at high repeatability means permanent saving of your expensive lubricant!

Sensors to monitor the position of the grease piston may be retrofitted at any time. They increase the effectivity and reliability of the greasing operation, and allow improved control over your production and assembly process.

The electronic position switch is available as accessory, Art.No. 0001220. It may be attached to the grooves of the metering valve by means of an attachment screw in a continuously variable position. Furthermore, the operation display (LED) indicates the end position of the grease piston. To achieve highest process reliability, ABNOX recommends the use of position switches on both end positions.



AXDV-C with 1 sensor and 2 sensors

Function Animated Movie Metering Valves AXDV-C

The volumetric metering valve has a continuously screw-adjustable dosage chamber, as well as an integrated pneumatic cylinder to control the dosage pin.

As a new feature, a hexagon key wrench with hex. 1.27 mm (included in scope of supply) is now used to lock the adjustment screw. Accidental misadjustment of the dosage volume is therefore a matter of the past.

For external control, a simple pneumatic 5/2-way valve is required.

ABNOX metering valves are equipped with modern seals and Glydrings, they warrant a long lifespan even at operating pressures as high as 200 bar.

Besides metering valves for various dosage volumes, ABNOX provide suitable conveyor pumps and ancillary equipment for complete solutions to your lubrication process. ABNOX also offer made-to-order nozzles for special applications upon your request.

The Dispensing Tip Adapter with LUER-Connection is additionally included in scope of supply.



Dispensing Tip Adapter (LUER-Connection)

Spare Parts:

Description	Article-No.
Seal Kit	4191850



You will find more information in the downloads section under "Spare Parts List / Seal Kit"

Upgrading options	Art.No.	Quantity
Cylinder switch	0001220	1 piece



Art.No. 0001220 Cylinder switch

Upgrading options	Art.No.	Quantity
Dispensing Tip Adapter rotatable, M5, with sealing and LUER-Connection	0006790	1 Piece
Dispensing Nozzle Adapter 1/8" BSP	0002230	1 Piece



Art-No. 0006790 Dispensing Tip Adapter rotatable, M5, with sealing and LUER-Connection

Art-No. 0002230 Dispensing Nozzle Adapter 1/8" BSP

Upgrading options

	Art.No.	Quantity
Dispensing Tip Set with LUER-Connection	0001418	1 piece
Dispensing Tip Set bent 45° with LUER-Connection	0006771	1 piece
Dispensing Tip Set bent 90° with LUER-Connection	0006795	1 piece



**Art.-No. 0001418
Dispensing Tip Set with LUER-Connection**

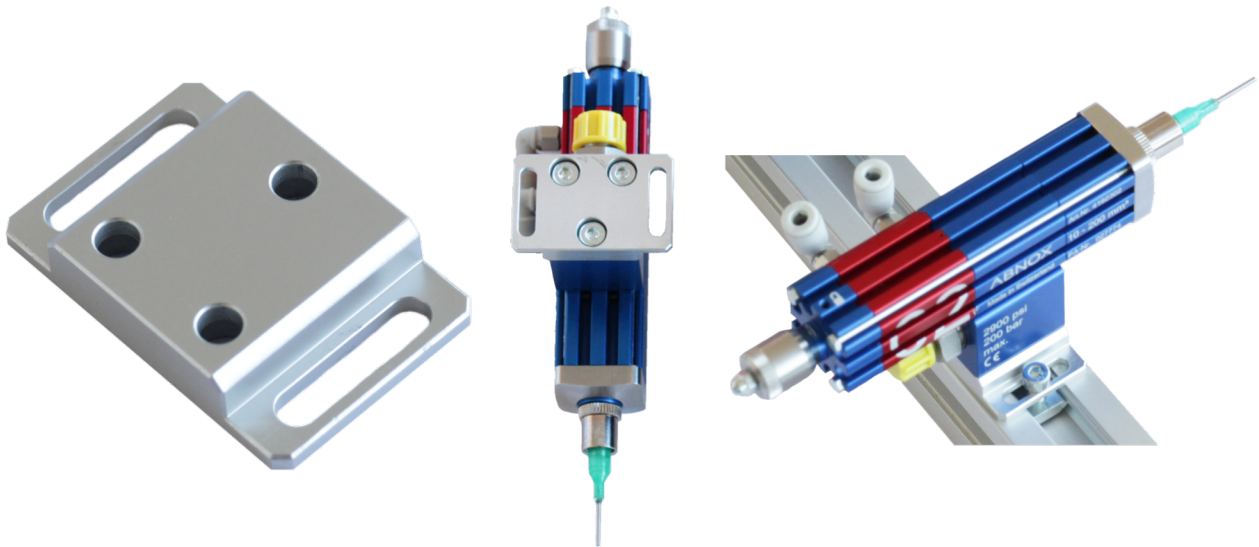
**Art.-No. 0006771
Dispensing Tip Set bent 45° with LUER-Connection**

**Art.-No. 0006795
Dispensing Tip Set bent 90° with LUER-Connection**

Important note:

When using a bent Dispensing Tip, it is necessary to use a rotatable Dispensing Tip Adapter (see upgrading options Art.-No. 0006790)!

Options / Accessoires	Art.No.	Quantity
Connecting plate for Metering Valves AXDV-C1 and C2	0005603	1 Piece



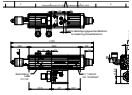
Art.No. 0005603 Connecting plate

Technical Data

	4192302
Model	AXDV-C2 (V3.0)
Construction type	Standard
Dispensing range (ccm)	0.010 - 0.200
Weight (kg)	0.17
Connection (medium) internal thread P	1/8" BSP
Connection (Medium) External Thread P	1/8" BSP
Connection (compressed air) internal thread	M2.5 for hose ø4
Pressure output A	With Dispensing Tip Adapter LUER-Connection
Fastening thread	M4
Min. / Max. inlet operating pressure [bar]	20 / 200
Min. operating air pressure (bar)	5.0
Optimum operating air pressure (bar)	6.0
Max. operating air pressure (bar)	7.0
Specification for operation medium	Lubricants up to NLGI 3 / max. 1'000'000 m Pa.s

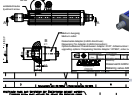


Downloads



Dimensioned Sketch

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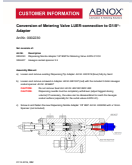
Spare Parts List

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Seal Kit

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Conversion LUER-Connection to Adapter

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Operating Manual

Download PDF, 3.3 MB

3D-Data

Download STP, 15.6 MB

ABNOX Metering valve - Cycle time

Valve	Flow rate	Cycle time
AXDV-C	100 ml/min	1.5 s
AXDV-C	200 ml/min	1.5 s
AXDV-C	300 ml/min	1.5 s
AXDV-C	400 ml/min	1.5 s
AXDV-C	500 ml/min	1.5 s

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