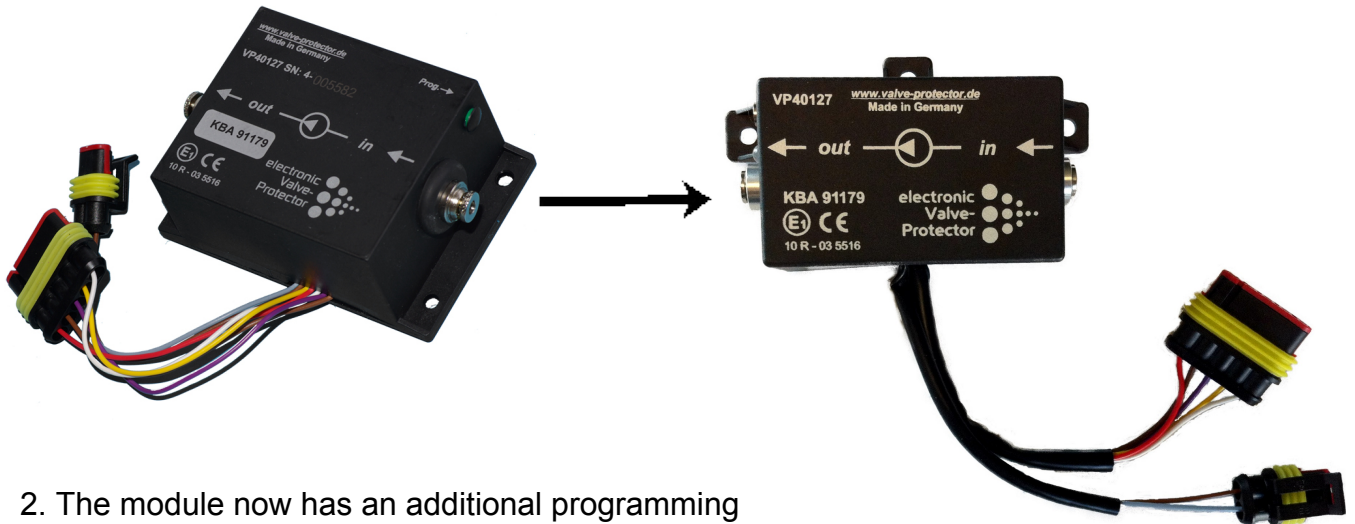


Change Notification:

Case size + Programming with Fingertipp + Enhanced measurement procedures for Plus controlled Injectors (for example Prins VSI2)

Valve-Protector Standard Kit1 - Kit 4, Art.No. 40121 - 40124

1. The design of the housing has been optimized, the proven technology will remain.



2. The module now has an additional programming method at your fingertips. This allows an adjustment of the Dosage without using a PC (see Progr. instructions in the appendix). The module can also be adjusted with the outstanding Valve Protector Software V3.x. When delivered, the use of finger-Progr. is unlocked. With the VP software, version 3.4.4, the use of fingertip programming be shut down

3. The measurement of the opening times of the injectors with the purple wire has been tapped to the general mass of the pulsed injectors. Meanwhile, there are also systems where the positive line of injectors is clocked (eg Prins VSI 2). This mode can be changed with the VP software version 3.4.4. and higher.

4. Power control over LED inside. After turning on the valve protector, the LED in the car flashes 3 times in 1/2 sec. Clock.

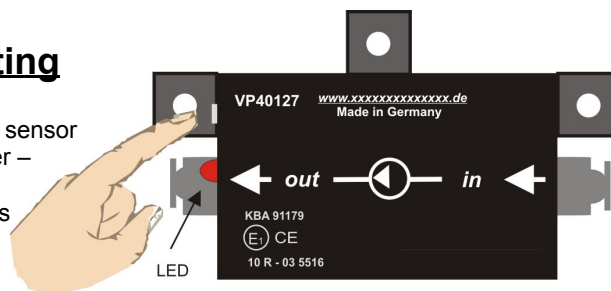
Please note!

The design for 'Valve-Protector standard' and 'Valve-Protector light' systems is now very similar. The standard systems are characterized by the following points:

- a.) Artitel No. without 'L'
- b.) The pump symbol is represented by a triangle with a circle
- c.) The module has two connectors

Quick start instructions – Amount setting

The Electronic Valve Protector module is equipped with a touch sensor (chrome ring). This metallic chrome ring reacts to touch by finger – just like a button. On the left side wall of the module, an LED is installed, which indicates the various functions with three colours (red-green-yellow) (see the following installation instructions).



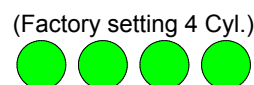
Step 1: Start the vehicle and activate gas operation. The dosing module is now provided with power and remains in Set-up ready mode (LED lights up yellow) for 30 seconds.



Step 2: While the yellow LED is on, touch the metallic chrome ring with your finger until the LED lights up green. Then remove your finger.



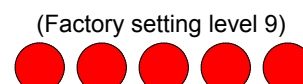
Step 3: The LED now flashes x times and indicates the set amount of cylinders. You can set between 1 and 16 cylinders. To change the number of cylinders, simply tap on chrome ring with your finger until you have reached the required number or cylinders. The flash display will always show the number of cylinders set. Once level 16 has been reached, counting starts again at 1. **(Factory setting 4 cylinders)**



Step 4: Once you have set the required number of cylinders, hold down your finger on the chrome ring until the LED light is red. You are now in the setting menu for dosage level setting.



Step 5: The LED now flashes x times red and displays the set dosage level. There are 15 dosage levels and one level for a quick test run. (Attention: Do not run test run excessively as otherwise too much additive is fed-in). Check the guide level table at the end of this page for the correct dosage level for your vehicle. **(Factory setting level 9)**



To change the dosage level simply tap on to the chrome ring with your finger until the required dosage level is reached. The flash display always shows the set dosage level. After level 16, counting starts again at level 1.

Step 6: Once you have reached the desired dosage level, (see required number of flashes), touch the tube connection until the LED light is yellow. For venting of the module the pump can switch on or off by pressing the chrome ring.



Step 7: Once you have reached the desired dosage level, (see required number of flashes), touch the chrome ring until the LED light is green. The settings are now stored and the module is in operation mode. The module remains in set-up ready mode (LED yellow) following each restart. If during this phase, the chrome ring is not touched, the module automatically changes into working mode (LED green) after 30 seconds. The setting Table is only a guide! The correct dosage must be checked after each installation and adjusted if required.



Display of LED built-in module

LED light is green: System has operating voltage but is not receiving control impulses from the gas injector.

LED flashes green: System has operating voltage and is receiving control impulses from the gas injector (operating mode)

LED slowly flashes red (every second): no input from level sensor into additive tank

LED quickly flashes red (every 0.25 sec.): additive depleted

LED flashes yellow (every 0.5 sec.): additive is being injected

Display of LED to be installed in passenger area

LED flashes 3 times for operation control. power on control

LED flashes slowly (every second): remaining additive level reserve approx. 100 ml

LED flashes quickly (every 0.25 sec.): additive depleted.

Guide level table for base amount setting per Cylinder

Level	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Cylinder capacity KW	4	5	7	8	10	13	16	20	26	32	40	56	64	80	112	Test
Cylinder capacity PS	5	7	10	11	14	18	22	27	35	43	54	76	87	108	152	Test