

OPERATION GUIDELINES FOR VK4105G + S4565XM

Description

The CVI-m consist of a gas control of the VK4105G series and a dedicated ignition control of the S4565xM series. The gas control has a first direct on/off operator for opening the safety valve and a second on/off servo operator for controlling the main valve. The operation is checked with the following functional tests.

Functional test VK4105G only (see fig. 1.)

- ❶ Energize the first valve **A**
 - Supply a 100 Vdc voltage on pin 1 and 2 of the coil connection (5 pin Molex).
- ❷ Energize the second valve **B**
 - Supply a 60 Vdc voltage on pin 4 and 5 of the coil connection (5 pin Molex).
 - The outlet pressure can be limited to a maximum value by setting of the maximum servo regulator **C**

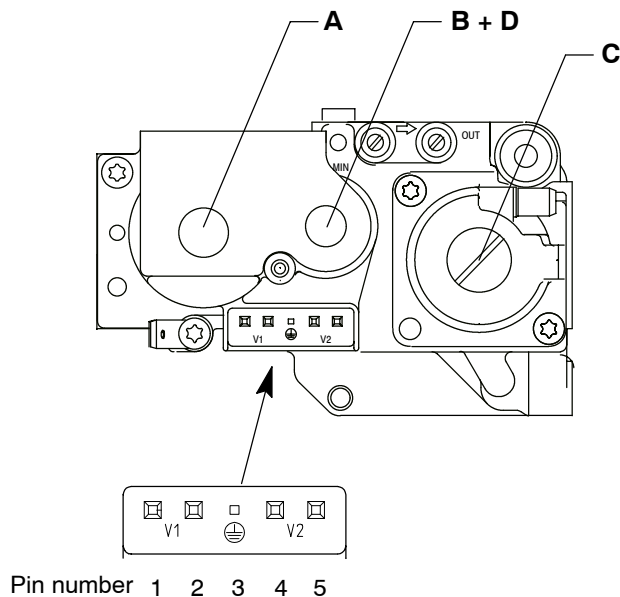


Fig. 1. Coil connection

Functional test VK4105G + S4565XM

Atmospheric ignition controls, suffix AM, BM, PM, QM (see fig 1. and 2.)

- ❶ Energize the first and second valve **A + B**
 - Supply 230 Vac voltage on pin 5 and 9 of the ignition control.
 - The outlet pressure can be set with the mechanical by-pass screw or the electrical minimum (thumbwheel).
- ❷ Energize the modulating valve **D** maximal
 - Energize the first and second valve **A + B**
 - Supply 230 Vac voltage on pin 5 and 9 of the ignition control.
 - Supply 10 Vdc on pin 1 and 2 of the ignition control (or close Hi-Lo contact, or set NTC to 3MΩ).
 - The outlet pressure can be limited to a maximum value by adjusting the servo pressure regulator **C**

Fan assisted ignition controls, suffix CM, DM, RM, TM (see fig 1. and 3.)

- ❶ Energize the first and second valve **A + B**
 - Supply 230 Vac voltage on pin 7 and 9 of the ignition control.
 - The outlet pressure can be set with the mechanical by-pass screw or the electrical minimum (thumbwheel).
- ❷ Energize the modulating valve **D** maximal
 - Energize the first and second valve **A + B**
 - Supply 230 Vac voltage on pin 7 and 9 of the ignition control.
 - Supply 10 Vdc on pin 1 and 2 of the ignition control (or close Hi-Lo contact, or set NTC to 3MΩ).
 - The outlet pressure can be limited to a maximum value by adjusting the servo pressure regulator **C**

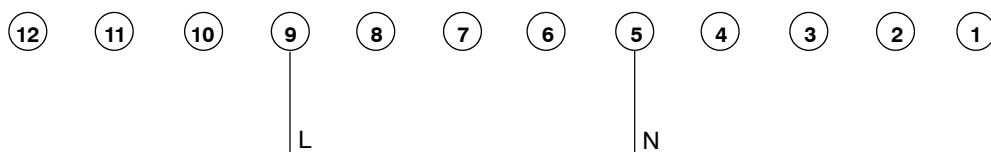


Fig. 2. Connection diagram functional test S4565AM, BM, PM, QM

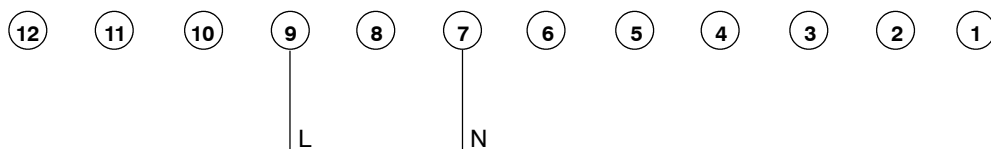


Fig. 3. Connection diagram functional test S4565CM, DM, RM, TM

*For suggestions or comments, please contact the Application Center or send an E-mail to:
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