

Single-stage air solenoid valves

LV-D/4

LV-D/5

6.50

DUNGS[®]
Combustion Controls



Technical description

The DUNGS air solenoid valve LV-D/4, LV-D/5 is a single-stage automatic shut-off valve for cold-air operation in industrial burners:

- Max. operating pressure up to 200 mbar (20 kPa)
- normally closed
- fast opening
- Main volume adjustable
- DC solenoid, rectifier wiring with radio interference suppression in terminal box with PG screw union
- Mountable closed position signal contact to monitor closed position of valve (.../5)
- Pipe thread as per ISO 7/1
- Flange connection as per DIN EN 1092-1
- Reliable function, rugged and maintenance-free

- On request, design without non-ferrous metals

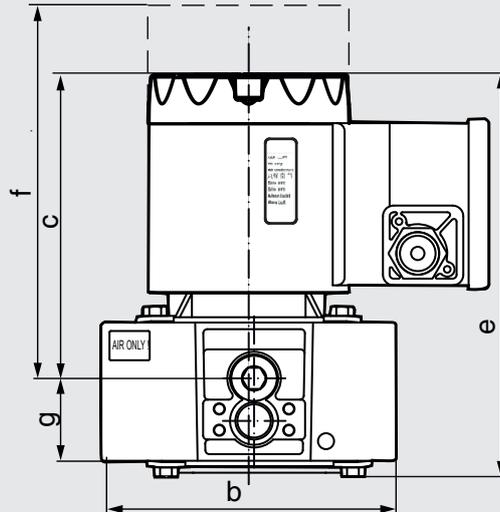
Application

The solenoid valve is used for securing, limiting, shutting off and releasing air supply to industrial burners.

LV-D/4 Range of application: for large breaking capacities, e.g. pulsed firing.

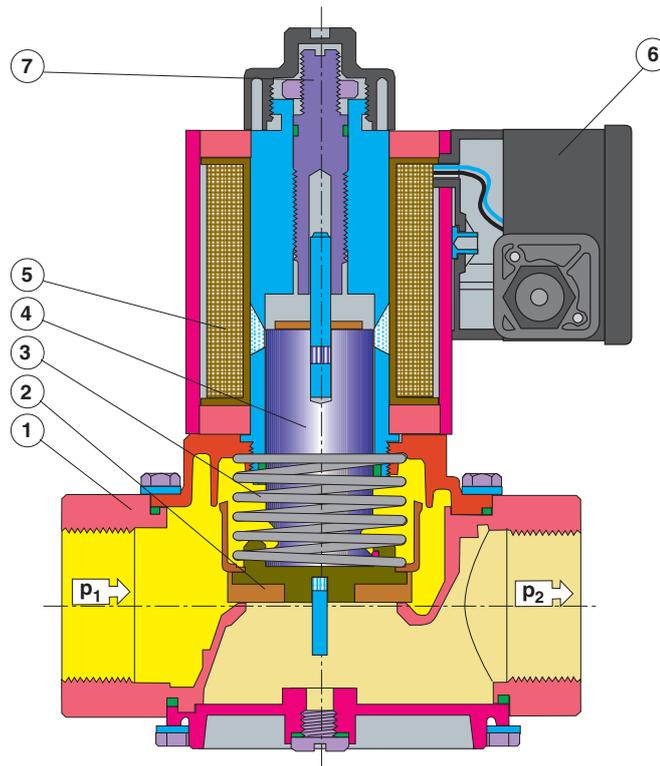
The LV-D must not be used for inflammable gases; only non-inflammable inert media are allowed!

Dimensions [mm]
 LV-D 210 - 215/4
 LV-D 220 - 225/5



d = largest width

Type LV-D



- | | | | | | |
|---|----------------|---|---------------|---|--------------------------|
| 1 | Housing | 4 | Armature | 7 | Setting
- Main volume |
| 2 | Valve plate | 5 | Solenoid coil | 6 | Electrical connection |
| 3 | Closing spring | | | | |

Functional description

The DUNGS air solenoid valve is an automatic shut-off valve operated with auxiliary power.

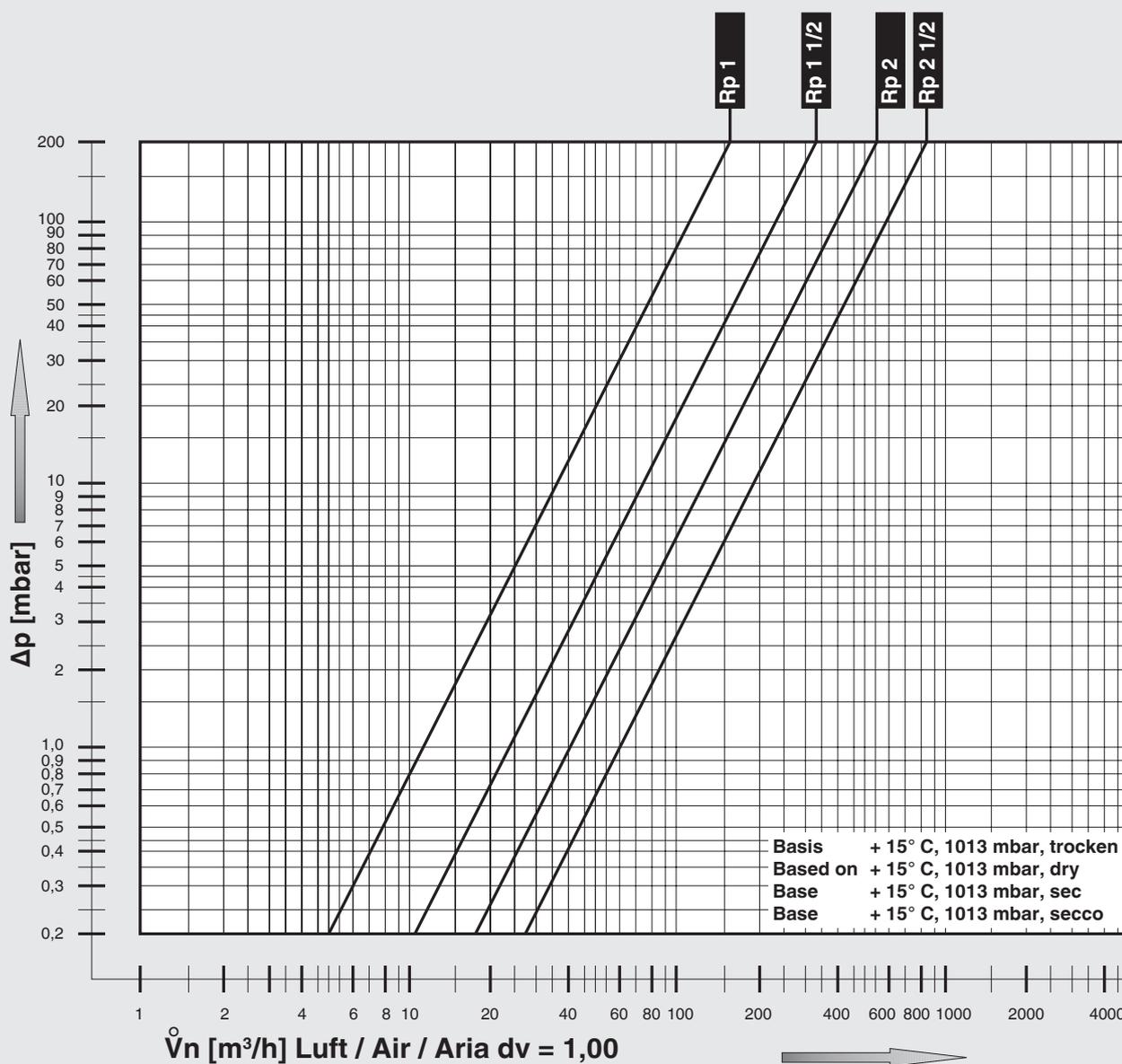
The electromagnetic drive opens 3 ... 4 against the force of the closing spring 3.

The stroke of armature 4 can be limited by the setting screw 7.

If the auxiliary power is interrupted (operating voltage), closing spring 3 closes the valve within 1 second.

The closed position of the valve can be monitored by a mountable closed position signal contact.

Flow diagram



We reserve the right to make any changes in the interest of technical progress.

Head Offices and Factory
 Karl Dungs GmbH & Co. KG
 Karl-Dungs-Platz 1
 D-73660 Urbach, Germany
 Telephone +49 (0)7181-804-0
 Fax +49 (0)7181-804-166

Postal address
 Karl Dungs GmbH & Co. KG
 Postfach 12 29
 D-73602 Schorndorf, Germany
 e-mail info@dungs.com
 Internet www.dungs.com