



# BOSS™ 355AM Gas Solenoid Valve Manual Reset

## Data Sheet

### General Description

An aluminium bodied normally closed manual reset gas solenoid valve in sizes DN15 to DN300 and voltages 230 Vac and 24 Vac



### Size Range

DN15 to DN50 Screwed BSPT and DN65 to DN300 Flanged PN16

### Technical Specification

|                       |                                                                                               |
|-----------------------|-----------------------------------------------------------------------------------------------|
| Connections:          | Screwed BSPT to EN 10226 (DN15 to DN50)<br>Flanged PN16 to EN 1092-1/ISO 7005 (DN65 to DN300) |
| Approved to:          | EN161                                                                                         |
| Pressure Rating:      | ½ to 12" - 500 mbar                                                                           |
| Temperature Rating:   | -20 to +60 °C                                                                                 |
| Mounting Orientation: | With coil axis within 90 degrees of vertical                                                  |
| Type of operation:    | Normally closed                                                                               |
| Opening Time:         | < 1 second                                                                                    |
| Closing Time:         | < 1 second                                                                                    |
| Protection Rating:    | IP65                                                                                          |
| Application:          | Class A Group 2 gases                                                                         |

## Product Codes

| DN  | Voltage  |          |
|-----|----------|----------|
|     | 230Vac   | 24Vac    |
| 15  | 35500343 | 35500502 |
| 20  | 35500354 | 35500513 |
| 25  | 35500365 | 35500535 |
| 32  | 35500376 | 35500546 |
| 40  | 35500387 | 35500557 |
| 50  | 35500398 | 35500568 |
| 65  | 35500406 | 35500579 |
| 80  | 35500428 | 35500590 |
| 100 | 35500439 | 35500609 |
| 125 | 35500450 | 35500620 |
| 150 | 35500461 | 35500631 |
| 200 | 35500472 | 35500642 |
| 250 | 35500483 | 35500653 |
| 300 | 35500494 | 35500664 |

Lines highlighted in light grey denote stocked at BSS

### Accessories:

**CPI to suit 15mm - 50mm Valves available to special order from supplier for manual set valve range**

35500908 - Closed Position Indicator For 65 & 80mm

35500919 - Closed Position Indicator For 100, 125 & 150mm

35500930 - Closed Position Indicator For 200mm

35500941 - Closed Position Indicator For 250mm

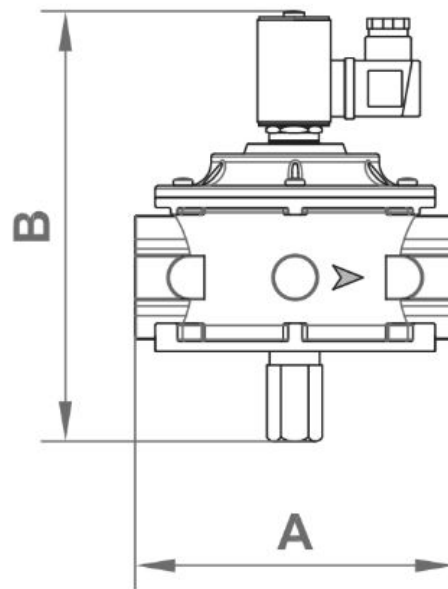
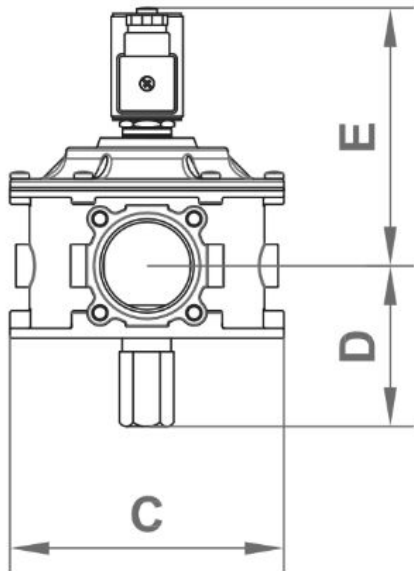
35500952 - Closed Position Indicator For 300mm

20806654 - BOSS 5-CPB Panic Button Twist to Reset (refer to relevant data sheet)

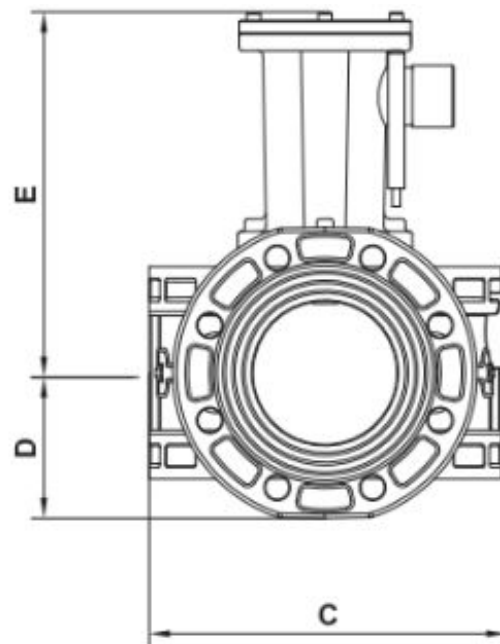
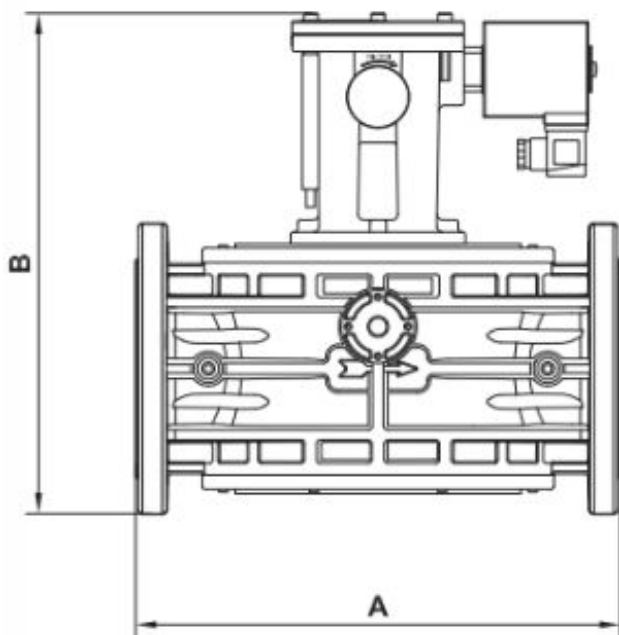
20806643 - BOSS ETL Electro Thermal Link 72C (refer to relevant data sheet)

## Dimensional Data

### DN15 to DN50



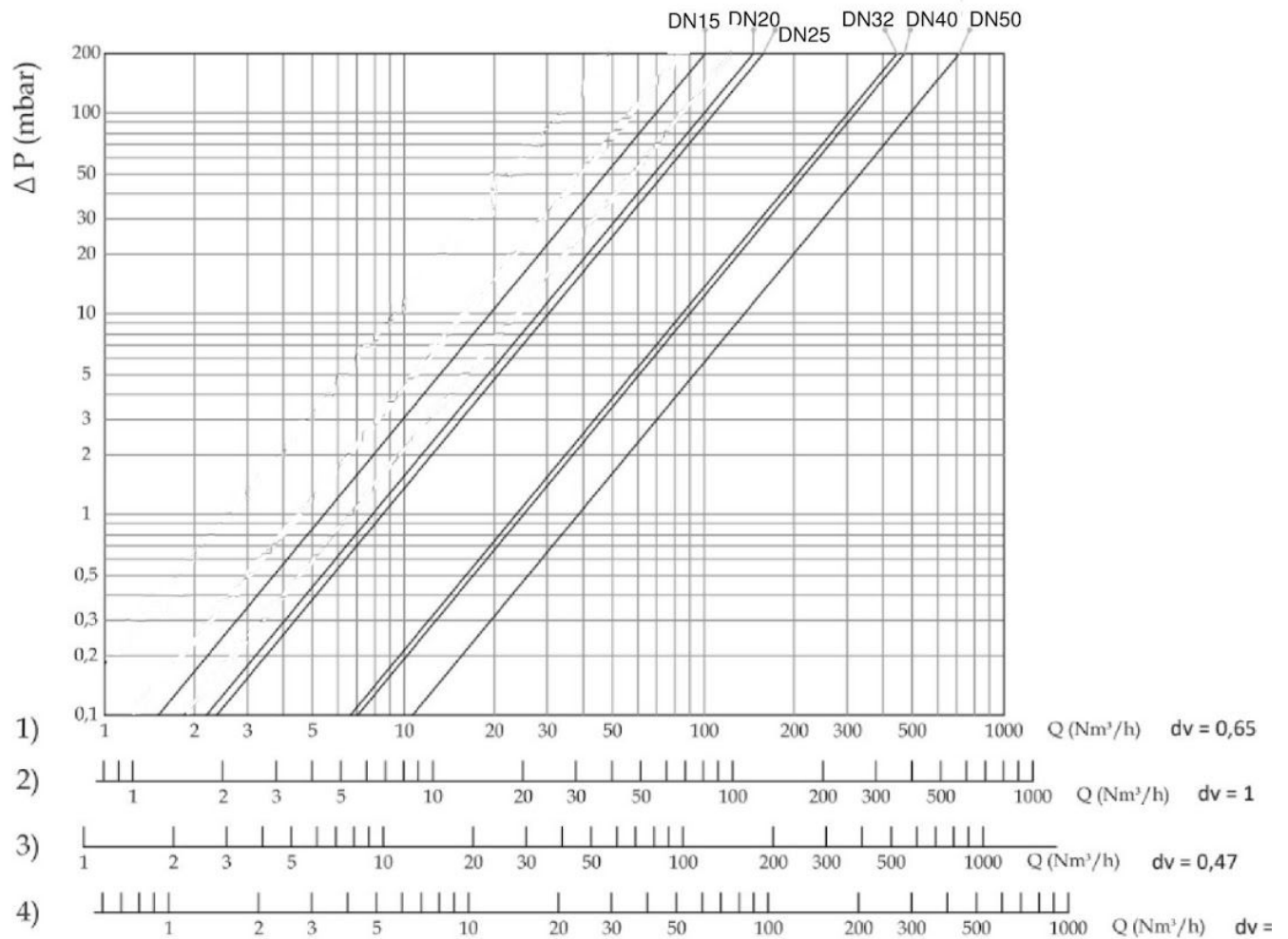
### DN65 to DN300



## Dimensions (mm unless otherwise stated)

| DN  | A   | B   | C   | D    | E     | Weight (kg) |
|-----|-----|-----|-----|------|-------|-------------|
| 15  | 120 | 154 | 94  | 48.5 | 105.5 | 0.6         |
| 20  | 120 | 154 | 94  | 48.5 | 105.5 | 0.6         |
| 25  | 120 | 154 | 94  | 48.5 | 105.5 | 0.6         |
| 32  | 160 | 212 | 140 | 78   | 134   | 2           |
| 40  | 160 | 212 | 140 | 78   | 134   | 2           |
| 50  | 160 | 244 | 140 | 92.5 | 151.5 | 2.2         |
| 65  | 290 | 355 | 198 | 90   | 265   | 11.1        |
| 80  | 310 | 363 | 198 | 97   | 266   | 11.4        |
| 100 | 350 | 363 | 260 | 105  | 258   | 15.8        |
| 125 | 480 | 460 | 328 | 125  | 335   | 30.7        |
| 150 | 480 | 465 | 328 | 130  | 335   | 33.2        |
| 200 | 600 | 540 | 450 | 165  | 375   | 61.5        |
| 250 | 673 | 720 | 510 | 197  | 523   | 105         |
| 300 | 737 | 765 | 570 | 220  | 545   | 130         |

## Pressure Drop Chart



Key: 1 Methane

2 Air

3 Town Gas

4 LPG

$dv$  = density relative to the air

Inlet pressure = 50mbar

Version: 1

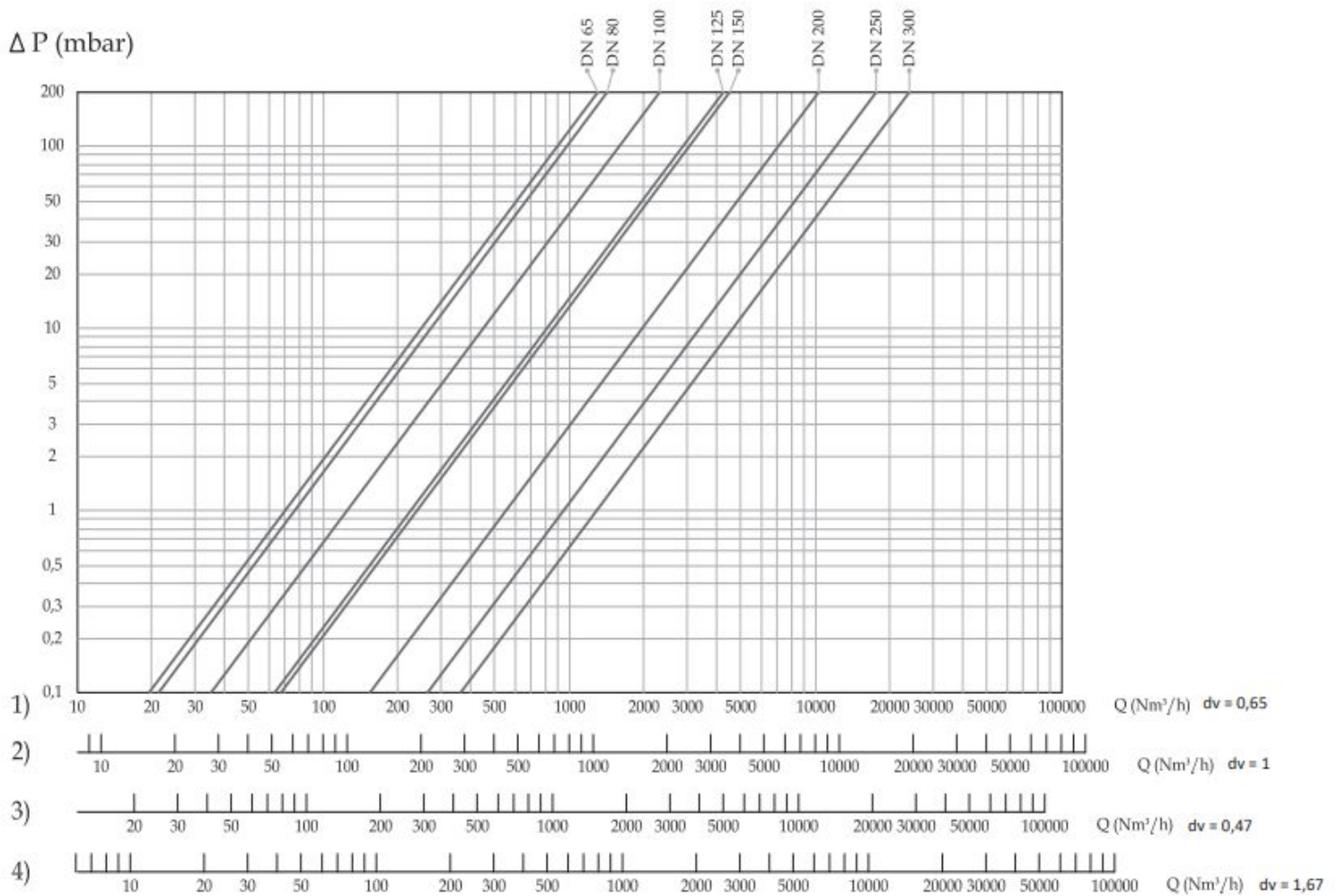
BOSS™, BOSS Court, 7 Barton Close, Grove Park, Leicester LE19 1SJ.

Created on: 29th November 2019

BOSS™ Technical Team - Tel: 0116 245 5940 Email: [BOSSTechnicalteam@bssgroup.com](mailto:BOSSTechnicalteam@bssgroup.com)

Last updated: September 2020

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