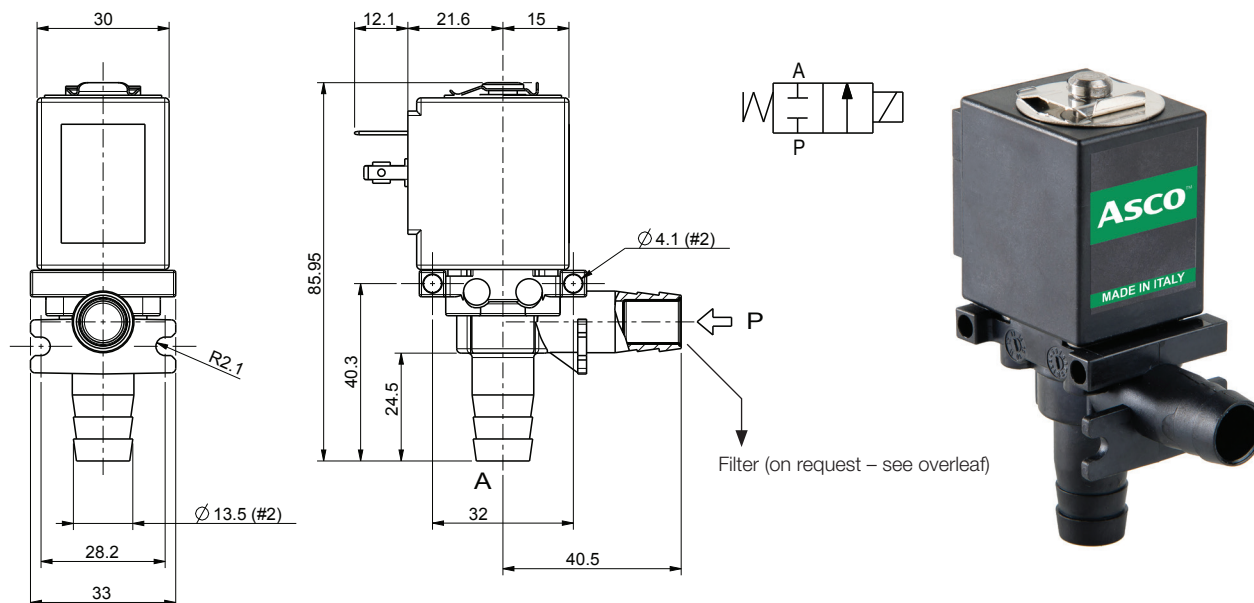


# ASCO™ SOLENOID VALVE - DRY

## 2/2 NORMALLY CLOSED - DIRECT ACTING - TOTAL ISOLATION - BARBED PORT

**SERIES**  
**D136**



### General Features

Direct acting, total isolation solenoid valve: the actuator is totally isolated from the fluid so that the wetted parts are just the body, the diaphragm and the filter fitted on the inlet port (P) – if any.

Possibility of disassembling for inspection.

Particularly suitable for tanks draining.

Suitable to shut off liquid fluids (verify the compatibility of fluid with materials in contact).

### Technical Features

|                                 |                                          |
|---------------------------------|------------------------------------------|
| Maximum allowable pressure (PS) | 2 bar                                    |
| Opening time                    | ~ 40ms                                   |
| Closing time                    | ~ 40ms                                   |
| Fluid temperature               | 0°C +100°C (FPM)<br>- 30°C +100°C (EPDM) |
| Max viscosity                   | 5°E (~37 cStokes or mm²/s)               |

### Materials in Contact with Fluid

|                     |                                        |
|---------------------|----------------------------------------|
| Body                | PPS (Polyphenylene-sulfide) reinforced |
| Sealing             | FPM or EPDM                            |
| Filter (on request) | Stainless steel AISI 316               |

### Coil

|                        |                                               |                                                          |
|------------------------|-----------------------------------------------|----------------------------------------------------------|
| Approval               | UL (class F) – for UL cl.H: ZA34              |                                                          |
| Continuous Duty        | ED 100%                                       |                                                          |
| Encapsulation material | PPS (Polyphenilsulfure) fiberglass reinforced |                                                          |
| Insulation class       | F (155°C)                                     |                                                          |
| Ambient temperature    | -10°C + 50°C                                  |                                                          |
| Electric connections   | DIN 46340 - 3 poles connector (EN 175301-803) |                                                          |
| Protection degree      | IP 67 (EN 60529) with plug connector          |                                                          |
| Voltages               | DC                                            | 12-24V (+10% -5%)                                        |
|                        | AC                                            | 24V/50Hz - 110V/50Hz (120V/60Hz) - 230V/50Hz (+10% -15%) |
|                        |                                               | (Other voltages and frequencies on request)              |

| Port        | Orifice size (mm) | Differential pressure (bar) |        |    |         |     |       | Kv (m³/h) | Series and type |         | Power absorption |        |      | Sealings | Notes | Weight (kg) |
|-------------|-------------------|-----------------------------|--------|----|---------|-----|-------|-----------|-----------------|---------|------------------|--------|------|----------|-------|-------------|
|             |                   | Δp min                      | Δp max |    |         |     |       |           |                 |         |                  |        |      |          |       |             |
|             |                   |                             | Gases  |    | Liquids |     |       |           |                 |         |                  |        |      |          |       |             |
|             |                   |                             | AC     | DC | AC      | DC  | Valve |           | Coil            | AC (VA) |                  | DC (W) |      |          |       |             |
| Barbed port | 9,5               | 0                           | -      | -  | 0,5     | -   | 1,6   | D136D01   | ZA10A           | 23      | 14               | -      | EPDM | -        | 0,190 |             |
|             |                   |                             |        |    | -       | 0,5 |       |           | ZA10B           | -       | -                | 10     |      |          |       |             |
|             |                   |                             |        |    | 0,5     | -   |       | D136V01   | ZA10A           | 23      | 14               | -      | FPM  |          |       |             |
|             |                   |                             |        |    | -       | 0,5 |       |           | ZA10B           | -       | -                | 10     |      |          |       |             |

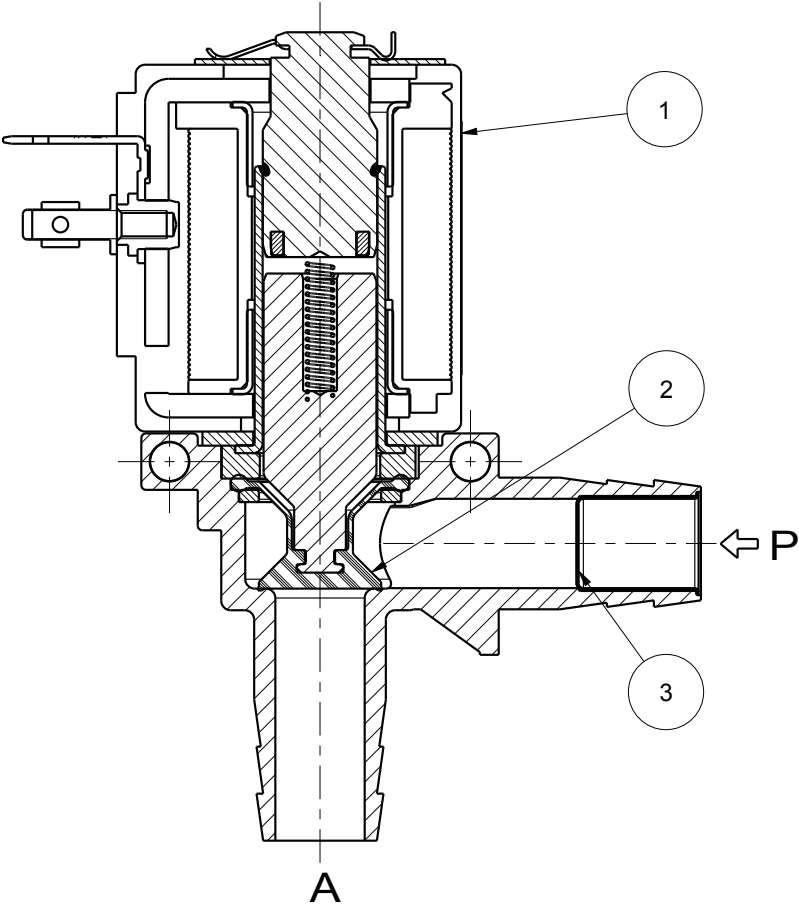
### Notes

- Sealings : FPM = Fluoro-carbon elastomer EPDM = Ethylene-propylene elastomer
- The use of filter 299554R (available on request) reduces the Kv value of 40%.
- IMQ CSV approval, see ZA10 datasheet for further details
- UL approved coil (E153691)

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Spare Parts



| Kit description     | Model   | Kit P.N.       | Consisting of:   |
|---------------------|---------|----------------|------------------|
| Diaphragm kit       | D136V01 | G3142301       | Diaphragm pos. 2 |
|                     | D136D01 | G3142302       |                  |
| Filter (on request) |         | 299554R        | Strainer pos.3   |
| Coil                |         | ZA10A<br>ZA10B | Coil pos. 1      |

Installation

- Solenoid valve can be mounted in any position.
- In case of disassembling for usual maintenance, the fixing screws of the guide assembly have to be tightened with 0,6÷0,7 Nm torque.

THE VALIDITY OF REPORTED DATA IS REFERRED TO THE DATE OF ISSUE. POSSIBLE UPDATES ARE AVAILABLE ON REQUEST