

Fault finding - A guide to solenoid valves

28.09.2021

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1.0 AC17-006 - 6v latching ASCO 15mm – 12.7mm orifice

DVS products provide various solenoid valves to suit different applications and site pressures. These can be either 12v normally closed or 6v latching and can be Plastic or Brass bodied. There are also variants that allow use at different pressures. Please use this guide to help you choose the correct solenoid for your project..



Applications:

- Recommended for use at between 1 - 6 Bar water pressure.
- 6v Classic, Aquarius and Programmable sensor taps
- 6v Pearl Solo & Programmable Urinal controls - Direct mains Flushing only
- 6v Programmable Showers
- 6v Programmable Bath Filling

AC17-006 is a standard solenoid valve and has the greatest pressure range of the 6v Latching valves. It is supplied in the Station kits for Classic and Aquarius taps, as well as Programmable Sensors. DVS recommend that this valve is used where water pressures are between 1 and 6 bar. For pressures less than 1 bar, a low pressure solenoid valve should be used.

An external filter should be fitted prior to this valve.

2.0 AC17-004 - 6v latching ASCO 15mm – 4mm orifice



Applications:

- Recommended for use at between 0.5 – 1 bar water pressure
- 6v Sensor Taps
- 6v Urinal controls – Direct tank fed

AC17-004 is a standard solenoid valve used in the Low Pressure Station kits for Classic and Aquarius taps, as well as Programmable Sensors. DVS recommend that this valve is used where water pressures are between 0.5 and 1bar. For pressures over 1 bar the AC17-006 valve should be used.

An external filter should be fitted prior to this valve.

3.0 AC17-004 - 6v latching ASCO 15mm – 4mm orifice



Applications:

- Recommended for use between 0.2 – 0.7 Bar water pressure.
- 6v Classic, Aquarius and Programmable sensor taps
- 6v Pearl Solo & Programmable Urinal controls - Direct mains Flushing only

AC17-005 is a non-standard solenoid valve used in the Very Low Pressure applications for Classic and Aquarius taps, as well as Programmable Sensors (Tap or Urinal only) DVS recommend that this valve is used where water pressures are between 0.2 to 0.5 bar.

An external filter should be fitted prior to this valve.

4.0 AC17-002 - 6v latching ASCO 15mm – 2mm orifice



Applications:

- Recommended for use between 0.5 and 3 Bar water pressure.
- Tap spouts where reduced flow is required.
- Flushmatic and Pearl PIR Urinal controls (cistern fed)

AC17-002 is a standard solenoid valve supplied with the Flushmatic and Pearl PIR urinal controls.

An external filter should be fitted prior to this valve.

5.0 AC17-001 - 6v latching ASCO 15mm – 1.2mm orifice



Applications:

- Recommended for use between 1 and 6 Bar water pressure.
- Flushmatic and Pearl PIR Urinal controls (cistern fed) Where a lower flow to cistern is required and noise reduction.)

An external filter should be fitted prior to this valve.

6.0 AC17-009 - 12v normally closed – 15mm plastic solenoid valve



Applications:

- Recommended for use between 1- 8 Bar water pressure
- For use with 12v Systems - Multi-Channel Washroom Control, Washroom Control, 2 Channel Control (all 12v variants)
- Basin Outlets, Bath filling, Urinals & Showers.
- Complete with filter

7.0 AC17-007 - 12v normally closed – 15mm ASCO –
4mm orifice



Applications:

- Recommended for low pressure applications 0.5 – 1 Bar water pressure
- For use with 12v Systems - Multi-Channel Washroom Control, Washroom Control, 2 Channel Control (all 12v variants)
- Basin outlets, Urinals & Showers.
- An external filter should be fitted prior to this valve

8.0 AC17-008 – 12v Normally Closed – 15mm ASCO – 7.1mm orifice



Applications:

- Recommended for very low pressure applications – 0.2 – 0.5 Bar water pressure
- For use with 12v Systems - Multi-Channel Washroom Control, Washroom Control, 2 Channel Control (all 12v variants)
- Basin outlets, Cistern fed Direct Urinal flushing
- An external filter should be fitted prior to this valve