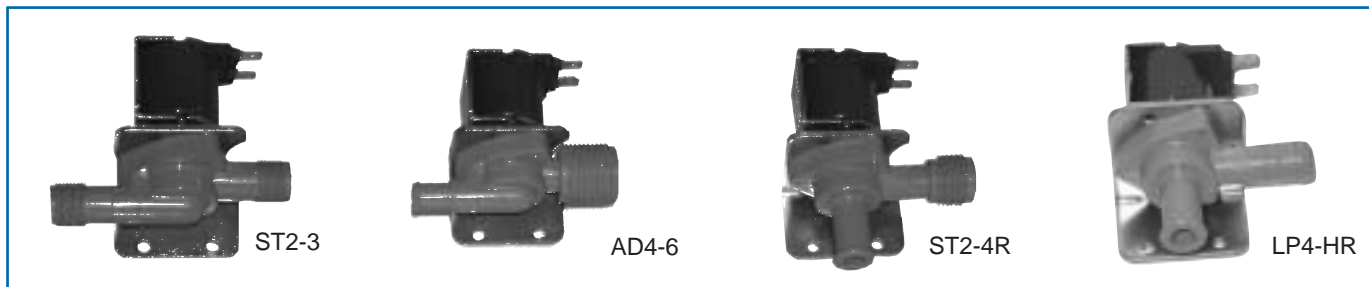




Moulded Plastic Valves



Description & Typical Applications

Goyen manufactures three basic series of moulded plastic solenoid valves - ST2, LP4 and AD4.

The ST2 series are normally closed, pilot operated diaphragm valves, with typical applications on dish and glass washing machines, agricultural spraying equipment and vending machines.

The LP4 series are normally closed, direct lift solenoid valves with typical applications in vending machines.

The AD4 series are also a normally closed, direct lift solenoid valve, but a sealed diaphragm has been included to isolate the upper sections of the valve from the media being controlled. Typical applications are dispensing and vending equipment.

Construction

The ST2, the LP4 and the AD4 are available in either a 'straight through', or a 'right angle' configuration. The inlet connections can be either:

- 1/2" hose [-H]
- RP 3/8 [-3]
- RP 1/2 [-4]
- RP 3/4 [-6]

The outlet connections can be either:

- 1/2" hose
- RP 3/8

The ST2 is available in Nylon 6/6. The LP4 and AD4 are available in Nylon 6/6 [Blue], Polysulphone [Beige] and ABS [Black]. Diaphragm and/or seal materials may be Nitrile [BunaN], Viton or EPDM depending on the valve - see table.

Electrical

Coil types Q2, QT2 and QF are available [see page 7 for details], in AC and DC voltages. The duty cycle of the ST2 is 50% with maximum 'on' time of 30 minutes at 25°C ambient. The AD4 and LP4 have 100% duty cycle.

Spare parts

Kits contain plunger, spring seals and diaphragm if required. Kit numbers are listed below.

Valve Performance Data

Base Series	Orifice		Working Pressure		Diaphragm and/or Seal Material	Cv
	mm	inch	kPa	psi		
ST2	9.5	3/8	20-1000	3-150	Nitrile/Viton	1.9
LP4	9.5	3/8	0-21	0-3	EPDM	1.9
AD4	9.5	3/8	0-7	0-1	EPDM	1.9

Max. Fluid Temperature = 82°C

Max. ambient 25°C for this fluid temperature

Repair Kit

Base Series	Diaphragm and/or Seal Material	Repair Kit	
		AC	DC
ST2	Nitrile	KM1673	KM1673
	Viton	KM1682	KM1682
LP4	EPDM	KM2139	KM2545
AD4	EPDM	KM2134	KM2135