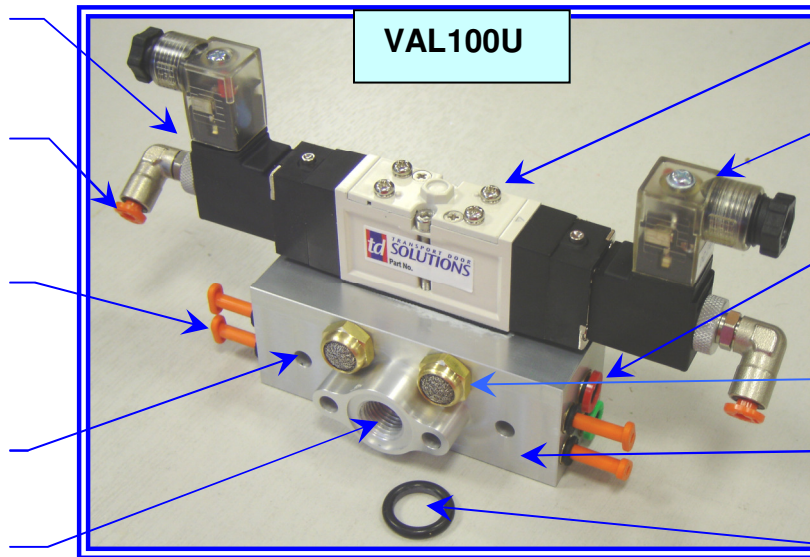


VAL100U. DOUBLE SOLENOID PRESSURE APPLIED SPOOL VALVE INSTALLATION & SPECIFICATION

VAL100U = TDS UNIVERSAL VALVE REPLACEMENT FOR: DEANS PRESSURE APPLIED DOUBLE SOLENOID SPOOL VALVE ASSEMBLY COMPRISES SPOOL VALVE P/No 037968 (031141) & FILTER/REG P/No 020605 (Typically fitted to Optare & Alexander Dennis Vehicles)

- Plug & Coils & Pneu Fitting Can Be Orientated To Suit
- Input From Pneu Buttons 4mm Push In Fitting Both Ends
- Output Air Supply To Pneu Buttons 4mm Push In Fitting Both Ends
- Screw Fixing Holes For M4 or M5
- Air Supply In. (1/4" BSP Port)



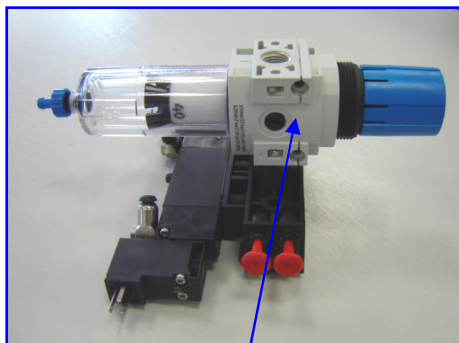
- Die Cast Aluminium Body
- Plug Fitted With LED Indication & Power Suppression
- Output To Cylinder's 6mm Push In Fitting Both Ends
- Exhaust Ports
- Anodized Solid Aluminium Body
- Rubber "O" Ring Sealing Washer

TDS SUPPLY OPTION PART NOS:

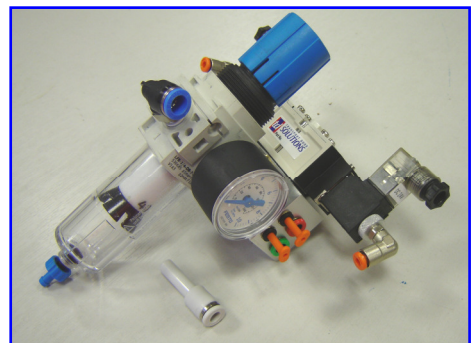
- VAL100U** = 24V PRESSURE APPLIED D/SOLENOID SPOOL VALVE ASSY ONLY
- PNE003B-VLV** = FILTER REGULATOR KIT ONLY FOR DIRECT MOUNT
- VAL100U-KIT** = VALVE100U+FILTER/REG+GAUGE+FITTINGS 8mm&8-6mm REDUCER



**031141, 037843
037968**



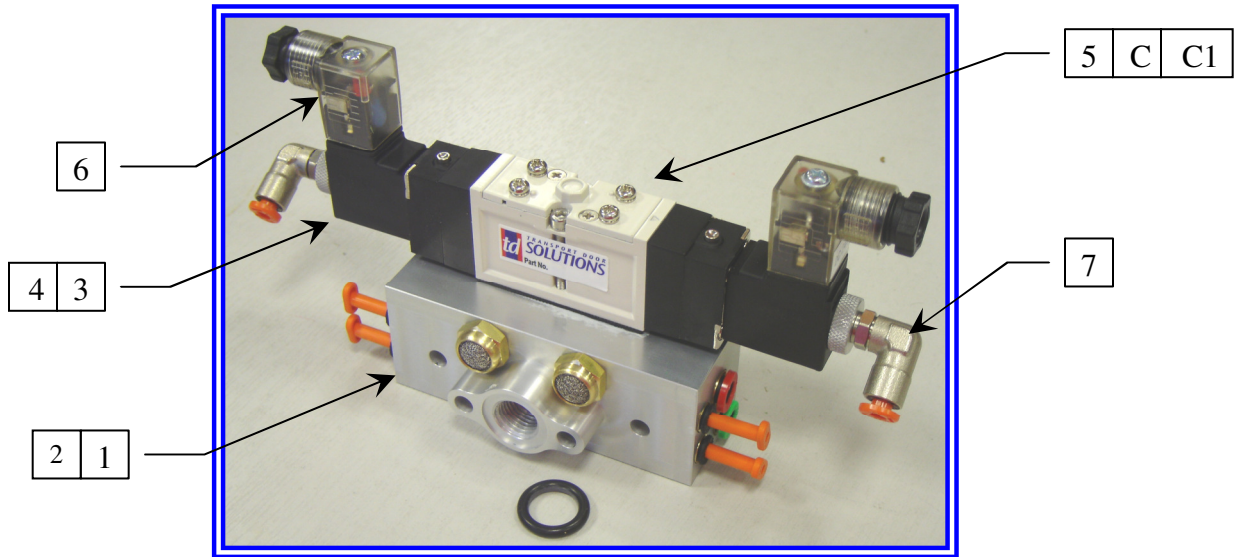
PNE003B-VLV



VAL100U-KIT

Transport Door Solutions Ltd, 43 Broton Drive, Halstead, Essex, CO9 1HB
 Tel: 01787 473000. Fax: 01787 477040
 Email: sales@transportdoorsolutions.co.uk
www.transportdoorsolutions.co.uk

VAL100U (24v) & VAL101U (12v)



Valve Specification

Pressure Range	1.5 – 10 bar
Sectional Area	16.0
Response Time	25ms min
Frequency	5c/sec
Lubrication	Not required
Manual Override	Push Button
Flow rate	900 LTR/M @ 5bar

Materials

Valve Body	Die-cast aluminium
Spool	Aluminium
Seals	NBR
Spring	Stainless
Cap	Zinc Pressure Die-Cast
Pilot Parts	Glass Filled Nylon
Armature	Stainless Steel
Armature Seals	Viton

Coil Specification

Removal coils	Quick replacement
Voltage DC	24v(12v) -10% + 15% of rated
Coil test by TDS	32 voltages over 10 hour period
Result	operation of valve unimpeded
Coil Insulation Class	F-Class or equivalent
Holding Power	2.5 Watt, for 24/12v. DC
Off min. Residual V10%	or less

Plugs

Fitted with power LED indication
Fitted with power suppression

Materials

Moulding	Glass Pressure Nylon
Indicator Cap	Polycarbonate

Item	Part No	Description	Valve
1	VAL100U	24v Pressure Applied D/Solenoid Spool Valve Assy	C
2	VAL101U	12v Pressure Applied D/Solenoid Spool Valve Assy	C
3	VAL034U	24v Solenoid Coil	
4	VAL035U	12v Solenoid Coil	
5	VAL036U-RK	Pilot Spool Valve Repair Kit	
6	ELE032U	Solenoid Plug Led/Sup Type	
7	FIT026B	M5 x 4mm Elbow Push In Fitting	
C	VAL031U	24v Pressure Applied D/Solenoid Pilot Valve Body	
C1	VAL033U	12v Pressure Applied D/Solenoid Pilot Valve Body	

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