

SOLENOID VALVE PLASTIC VERSION & METAL VERSION											
Always State Required VOLTAGE (AC / DC)						'N.C.' = Normally closed			'N.O.' = Normally open		
Plastic Valve 'K' Type (Servo) N. Closed						Plastic Valve PPS Direct Type BSPm (N.Close) (D132, D332, D144, D344)					
Cheap Valve for Clean Water Only N. Closed.						Chemical Direct Acting Type - 'K' (N.C. 2 & 3 way also)					
Application						Applications					
Suitable for <u>water and irrigation</u> Not good for other liquids at all.						Suitable for aggressive chemicals based on reliable simple design.					
Specification						Specification					
Pressure : 0.3 min - 8.0 max Bars.						Pressure : 0 - 1.6 Bar & 65°C.					
Voltage : 12v DC, 24v AC.						Voltages : 12v DC, 24v AC, 240v AC, 110v AC.					
Body : FR Nylon 66, SS Plunger.						Current : 20v A Approx. 36v A Inrush.					
Terminations : Flying Leads 30cm long.						Terminations : IP65 Plug type MPM182.					
Ends : BSP female threaded.						Ends : BSP male threaded.					
Diaphragm : Natural Rubber.						Seals : FPM Standard.					
Temperature : 30°C maximum.						Body : D132 - D332 PPS (Polyphenylene Sulphide)					
Flow control on central screw + M.Ove Black Nylon / PVC composite body.						Body : D144 - D344 PEI (Polyetherimide) : (Weight 420 grams).					
K Type				D 132 2 WAY				D 332 3 WAY			
Data Sheet				Data Sheet				Data Sheet			
D 144 2 WAY				D 344 3 WAY							
Data Sheet				Data Sheet							
Size	3/4"	1"	1.1/2"	2"							
Length (mm)	110	110	160	170							
H (mm)	114	114	181	191							
R (mm)	22	22	35	38							
W (mm)	78	78	125	125							
Weight (g)	346	346	990	1080							
Ref:15PK	Price										
Size	Length	24AC/DC	110 AC	Ref:	Size	Ways	Bore	Press	Kv	VaH	Price
3/4"	112mm	£30.00	£62.10	15P132	1/2" BSP(M)	2	8mm	1.6 Bar	2	24	£113.40
1"	112mm	£31.20	£62.10	15P332	1/2" BSP(M)*	3	8mm	0.8 Bar	1.4	24	£122.47
1.1/2"	165mm	£72.00	£110.51	15P144	1/4" BSP(M)*	2	3mm	1.5 Bar	0.3	14	£92.02
2"	175mm	£82.80	£120.06	15P344	1/4" BSP(M)*	3	3mm	1.5 Bar	0.3	14	£102.38
3"	225mm	£333.35	(24v AC ONLY)	*For unidirectional use only. Clean fluids only to be used.							
Spare Coils - 12v AC/DC - 24 AC/DC				Manual Override in design.							
Spare Coils - 110v AC				3/8" Body Length = 68mm.							
				PPO = Polyphenylene Oxide.							
Power				Power							
24v AC = 0.2A(0.4lm) 12v DC = 0.5A*6.5w				240v AC, 110v AC must be earthed							
240v AC = 0.35 Inr. 24v DC = 0.3A*6.7w											

Nylon Washing Machine Solenoid Valve											
For water use only.						Ref: V907 / V917			Ref: 24302		
Pressure 0.2 - 10 Bar.											
Servo OEM Design In Line Spade Terminal 6.35 mm. BSP M.									Data Sheet		
Beige - 240v AC											
6 w - 7.7 v A											
Yellow - 24v AC											
2.2 w - 4.6 v A											
Ref:	Inlet BSPM	Outlet		Solenoid Type				Price			
15Pv907	3/4"	13mm SINGLE HOSE		Single Solenoid Valve				£19.53			
15Pv917	3/4"	13mm DOUBLE HOSE		Double Solenoid Valve				£20.79			
15M24302-	3/8"	3/8" BSPM		Single Solenoid Valve (O.E.M. QTY Supply Product)				£17.51			
15M24302-	1/2"	1/2" BSPM		Single Solenoid Valve (O.E.M. QTY Supply Product)				£17.51			
15M24302-	3/4"	3/4" BSPM		Single Solenoid Valve (O.E.M. QTY Supply Product)				£17.51			

SOLENOID VALVE PLASTIC VERSION & METAL VERSION																				
METAL VERSIONS (BRASS & SS) EARTHING - This must be done always with dangerous voltages.																				
Application																				
Strainers must be used where there is any grit or dirt into the service. FPM seals & volts DC will reduce pressures.																				
L180 is now L182 / L280: Water, Air, Oil (subject to seals), 2 / 2 way. Aggressive Chemicals - Don't Use																				
L315: Clean liquid use. Explosion types on special request.																				
L178 / L127: Suitable to shut off liquid and gaseous fluids*.																				
L133 / L377 / L113 / L153: Not suitable for use with dangerous fluids, they are free from CE marking in conformity with article 3 § 3 of the European Directive 97/23/EC (Pressure Equipment * (verify the compatibility of fluid with material in contact).																				
MPM Size = (15MPMC20 = 20MM MPM CONNECTORS DIN - NARROW) (15MPMC30 = 30MM MPM CONNECTOR DIN - SQUARE) Spare MPM Connector £2.50																				
Specification																				
Body: Brass (SS - see type 316).						Ends : BSP female threaded.														
Terminations : IP65 MPM (DIN Connector) Free MPM Supplied.						Seal : Nitrile Std (FPM Special).														
Voltage : 12v DC, 24v AC, 240v AC, 110v AC. Spare Coil £29.00						Temperature: Std. Buna < 85 C. FPM < 125 C.														
						Pressure : Servo 0.3 min - 10.0 max Bars. (bars) (w.n.s)														
L 180 (L182)			L 316			L 280 (L282)			L133 / L121			L377			L113					
Data Sheet L180			Data Sheet L182			Data Sheet 316			Data Sheets L280 / L282			Data Sheets L133 / L121			Data Sheet L377			Data Sheet L113		
Servo			Servo			Servo			Direct Acting			Exhausting			PRESSURE					
Normally Close			Normally Close			Normally Open			Normally Close			Exhausting			PRESSURE					
0.3 - 10			0.5 - 12			0.3 - 10			See Table Below			0 - 8			0 - 3					
Brass + Buna			SS 316/EPDM			Brass + Buna			Brass + Buna			Brass + Buna			Brass + Buna					
Ref : 15ML180..(L182)			Ref : 15ML316..			Ref : 15ML280..(L282)			Ref : 15M..			Ref : 15M..			Ref : 15ML113..					
1/8"	0	Leng	xkv	0	0	0	0	TBA	L178	£50.99	L377	-	-	-	-	-				
1/4"	0	< mm	0	£121.59	D *	0	0	£39.95	L121	£54.79	L336B12	-	-	-	-	-				
3/8"	£57.00	53	1.7	£179.55	D *	£69.56	£65.27	L133a	-	-	-	-	-	-	-	-				
1/2"	£67.16	56	2.1	£181.25	£83.51	£67.14	L133b	-	-	-	-	-	-	-	-	£115.86				
3/4"	£70.38	74	5	£202.23	£113.51	£89.56	L133c	-	-	-	-	-	-	-	-	£128.71				
1"	£110.19	99	11	£236.75	£134.81	£136.62	L133d	-	-	-	-	-	-	-	-	-				
1.1/4"	£244.20	113	15	£341.08	£305.55	Brass Body + BSP			Brass Body + BSP			Brass Body + BSP								
1.1/2"	£296.23	140	27	£426.89	£352.72	Pressure see Orifice Size:			Pressure see Orifice Size:			Pressure see Orifice Size:								
2"	£372.84	145	34	£541.30	£402.19	L178 - 2mm - 0-15 Bar			L178 - 2mm - 0-15 Bar			L178 - 2mm - 0-15 Bar								
3"	£796.82	250	83	TBA	TBA	L121 - 3mm - 0-10 Bar			L121 - 3mm - 0-10 Bar			L121 - 3mm - 0-10 Bar								
			(D) = Direct Acting			L133a - 10mm - 0-10 Bar			L133a - 10mm - 0-10 Bar			L133a - 10mm - 0-10 Bar								
			* 0 - 10 Bars			L133b - 12mm - 0-10 Bar			L133b - 12mm - 0-10 Bar			L133b - 12mm - 0-10 Bar								
						L133c - 17mm - 0-10 Bar			L133c - 17mm - 0-10 Bar			L133c - 17mm - 0-10 Bar								
						L133d - 22 mm - 0-10 Bar			L133d - 22 mm - 0-10 Bar			L133d - 22 mm - 0-10 Bar								
						DC = 30% Pressure			DC = 30% Pressure			DC = 30% Pressure								
						L121 - 3mm - 0-10 Bar			L121 - 3mm - 0-10 Bar			L121 - 3mm - 0-10 Bar								
						L133a - 10mm - 0-10 Bar			L133a - 10mm - 0-10 Bar			L133a - 10mm - 0-10 Bar								
						L133b - 12mm - 0-10 Bar			L133b - 12mm - 0-10 Bar			L133b - 12mm - 0-10 Bar								
						L133c - 17mm - 0-10 Bar			L133c - 17mm - 0-10 Bar			L133c - 17mm - 0-10 Bar								
						L133d - 22 mm - 0-10 Bar			L133d - 22 mm - 0-10 Bar			L133d - 22 mm - 0-10 Bar								
						Actuators: MPM 122			Actuators: MPM 122			Actuators: MPM 122								
						For S.A.Cylinders /			For S.A.Cylinders /			For S.A.Cylinders /								
						Pressure = 8 Bar			Pressure = 8 Bar			Pressure = 8 Bar								
						1/4" BSP = 1.6 mm			1/4" BSP = 1.6 mm			1/4" BSP = 1.6 mm								
						1/2" BSP = 12 mm			1/2" BSP = 12 mm			1/2" BSP = 12 mm								
						3/4" BSP = 19 mm			3/4" BSP = 19 mm			3/4" BSP = 19 mm								
						Pressure = 12 Bar			Pressure = 12 Bar			Pressure = 12 Bar								
						Pressure = 16 Bar			Pressure = 16 Bar			Pressure = 16 Bar								
						Pressure = 20 Bar			Pressure = 20 Bar			Pressure = 20 Bar								
						Pressure = 25 Bar			Pressure = 25 Bar			Pressure = 25 Bar								
						Pressure = 30 Bar			Pressure = 30 Bar			Pressure = 30 Bar								
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						Pressure = 45 Bar			Pressure = 45 Bar			Pressure = 45 Bar								
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