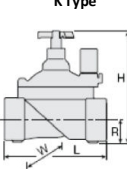
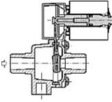
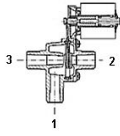
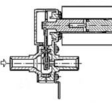
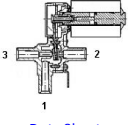
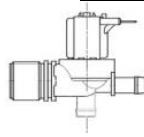
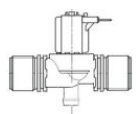
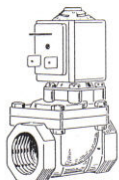
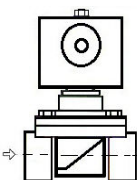
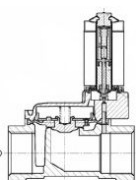
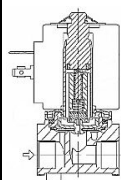
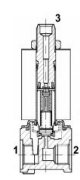
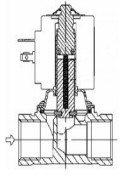


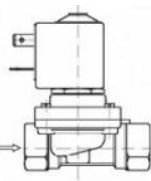
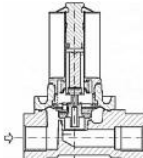
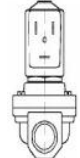
SOLENOID VALVE PLASTIC VERSION & METAL VERSION

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 - ½" (¼" 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 Pressure : 0.3 min - 8.0 max Bars. Voltage : 12v DC, 24v AC, 240v AC, 110v AC. Body : FR Nylon 66. SS Plunger. Terminations : Flying Leads 30cm long. Ends : BSP female threaded. Diaphragm : Natural Rubber. Temperature : 30°C maximum. Flow control on central screw + M.Ove Black Nylon / PVC				Specification Pressure : 0 - 1.6 Bar & 65°C. Voltages : 12v DC, 24v AC, 240v AC, 110v AC. Current : 20v A Approx. 36v A Inrush. Terminations : IP65 Plug type MPM182. Ends : BSP male threaded.. Seals : FPM Standard. Body : D132 - D332 PPS (Polyphenylene Sulphide) : D144 - D344 PEI (Polyetherimide) : (Weight 420 grams).																																	
				 D 132 2 WAY Data Sheet WRAS APPROVED		 D 332 3 WAY Data Sheet																															
<table border="1"> <thead> <tr> <th>Size</th> <th>3/4"</th> <th>1"</th> <th>1.1/2"</th> <th>2"</th> </tr> </thead> <tbody> <tr> <td>Length</td> <td>110</td> <td>110</td> <td>160</td> <td>170</td> </tr> <tr> <td>H (mm)</td> <td>114</td> <td>114</td> <td>181</td> <td>191</td> </tr> <tr> <td>R (mm)</td> <td>22</td> <td>22</td> <td>35</td> <td>38</td> </tr> <tr> <td>W (mm)</td> <td>78</td> <td>78</td> <td>125</td> <td>125</td> </tr> <tr> <td>Weight (g)</td> <td>346</td> <td>346</td> <td>990</td> <td>1080</td> </tr> </tbody> </table>				Size	3/4"	1"	1.1/2"	2"	Length	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	 D 144 2 WAY Data Sheet		 D 344 3 WAY Data Sheet	
Size	3/4"	1"	1.1/2"	2"																																	
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W (mm)	78	78	125	125																																	
Weight (g)	346	346	990	1080																																	
Ref:15PK		Price		Ref:	Size	Ways	Bore	Press	Kv	VaH	Price																										
Size	Length	12VDC,24AC/DC	240 / 110 AC																																		
3/4"	112mm	£27.90*	£45.00*	15P132	1/2" BSP(M)	2	8mm	1.6 Bar	2	24	£87.50																										
1"	112mm	£29.11*	£45.00*	15P332	1/2" BSP(M)	3	8mm	0.8 Bar	1.4	24	£94.50																										
1.1/2"	165mm	£72.77*	£80.08*	15P144	1/4" BSP(M)	2	3mm	1.5 Bar	0.3	14	£71.00																										
2"	175mm	£80.04*	£87.00*	15P344	1/4" BSP(M)	3	3mm	1.5 Bar	0.3	14	£79.00																										
3" (24v AC ONLY)	225mm	£266.79*	-	*For unidirectional use only. Clean fluids only to be used.																																	
£16.50 Extra for 110v / 240v. Spare coils - £21.00 each. N. Open version 1.5" & 2" = £95.00 (326)				Manual Override in design. ½"= Body Length = 68mm. PPO = Polyphenylene Oxide.																																	
Power 24v AC = 0.2A(0.4Inr) 12v DC = 0.5A*6.5w 240v AC = 0.35 Inr. 24v DC = 0.3A*6.7w				Power 240v AC, 110v AC must be earthed																																	

Nylon Washing Machine Solenoid Valve					
For water use only. Pressure 0.2 - 10 Bar. Servo OEM Design In Line Spade Terminal 6.35 mm. BSP M. Beige - 240v AC 6 w - 7.7 v A Yellow - 24v AC 2.2 w - 4.6v A		 V907 / V917		 24302 Data Sheet	
Ref:	Inlet BSPM	X	Outlet	Solenoid Type	Price
15PV907	3/4"		13mm SINGLE HOSE	Single Solenoid Valve	£15.50
15PV917	3/4"		13mm DOUBLE HOSE	Double Solenoid Valve	£16.50
15M24302	3/8"		3/8" BSPM	Single Solenoid Valve	£ 13.90 (O.E.M. QTY Supply Product)
15M24302	1/2"		1/2" BSPM	Single Solenoid Valve	£ 13.90 (O.E.M. QTY Supply Product)
15M24302	3/4"		3/4" BSPM	Single Solenoid Valve	£ 13.90 (O.E.M. QTY Supply Product)

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 L316: 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 * (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 £1.89						
Specification Body : Brass (SS - see type 316). Terminations : IP65 MPM (DIN Connector) Free MPM Supplied. Voltage : 12v DC, 24v AC, 240v AC, 110v AC. Spare Coil £24.00			Ends : BSP female threaded. Seal : Nitrile Std (FPM Special). Temperature: Std. Buna < 85 C. FPM < 125 C. Pressure : Servo 0.3 min - 10.0 max Bars. (bars) (w.n.s)			
						
Data Sheet L180 Data Sheet L182	Data Sheet 316	Data Sheets L280 L282	Data Sheets L133 L121	Data Sheet L377	Data Sheet L113	
BSPF	Servo Normally Close	Servo Normally Close	Servo Normally Open	Direct Acting Normally Close	Dir. Act N.C Exhausting	LOW PRESSURE
Pressure Bar	0.3 - 10	0.5 - 12	0.3 - 10	See Table Below	0 - 8	0 - 3
Body	Brass + Buna	SS 316+EPDM	Brass + Buna	Brass + Buna	Brass + Buna	Brass + Buna
Size	Ref : 15ML180..(L182)		Ref : 15ML316..	Ref : 15ML280..(L282)	Ref : 15M..	Ref : 15M..
1/8"	0	Leng	xKv	0	TBAL178	£36.95 L377
1/4"	0	<mm	0	£96.50 (D) *	£28.95 L121	£39.70 L336B12
3/8"	£42.50	53	1.7	£142.50 (D)	£52.70	£47.30 L133a
1/2"	£45.50	56	2.1	£143.85	£53.95	£48.65 L133b
3/4"	£58.65	74	5	£160.50	£69.55	£64.90 L133c
1"	£87.45	99	11	£187.90	£94.80	£99.00 L133d
1.1/4"	£143.31	113	15	£270.70	£192.90	0
1.1/2"	£183.54	140	27	£338.80	£221.00	0
2"	£215.02	145	34	£429.60	£243.75	0
3"	£651.00	250	83	TBA	TBA	0
Important information		(D) = Direct Acting		Brass Body + BSP Pressure see Orifice Size: L178 - 2mm - 0-15 Bar L121 - 3mm - 0-10 Bar L133a - 10mm - 0-10 Bar L133b - 12mm - 0-10 Bar L133c - 17mm - 0-10 Bar L133d - 22 mm - 0-10 Bar DC = 30% Pressure		
		* 0 - 10 Bars		Brass Body + BSP Pressure see Orifice Size: 1/8" BSP = 1.6 mm 1/4" BSP = 2.3 mm Pressure = 8 Bar For S.A. Cylinds/ Actuators. MPM 122		
Brass Body + BSP Pressure see Orifice Size: 1/8" BSP = 1.6 mm 1/4" BSP = 2.3 mm Pressure = 8 Bar For S.A. Cylinds/ Actuators. MPM 122		Brass Body + BSP Pressure see Orifice Size: 1/2" BSP = 12 mm 3/4" BSP = 19 mm		Brass Body + BSP Pressure see Orifice Size: 1/2" BSP = 12 mm 3/4" BSP = 19 mm		

Steam Solenoid Valve (L145)						
Application: Suitable to shut off liquid and gaseous fluids; particularly suitable to shut off overheated water and steam (verify the compatibility of fluid with materials in contact).						
Specification Body : Brass. Pressure : 0.3 min - 8 max Bars. (bars) Voltage : 12v DC, 24v AC, 240v AC, 110v AC.			Ends : BSP female threaded. Seal : Reinforced PTFE (Polytetrafluorethylene). Temperature: -10°C to + 80°C			
						
Side View	Internal View	End View				
Data Sheet L145						
Size	Ref.	Length..	KV	Bore	Pressure	AC
3/8"	15M145..	80 mm	2	10mm	8 Bar	V
1/2"	15M145..	85 mm	2	10mm	8 Bar	V
3/4"	15M145..	79 mm	6	16mm	8 Bar	V
1"	15M145..	105 mm	9	18mm	8 Bar	V
PTFE dia. min press 0.4 bar Max 170°C. (L153 140°C types also) Only AC voltages. 5/2 Way Type 1/4" BSPf All Voltages £58.45						
State Pressure Always.						