

VALVE TERMINALS SIZING CHART

Valve terminal or Manifold	Position of D-Sub Connector	Valve width	3 or 5 way valves	Number of stations	Cv required	Valves	Description of assembly	Terminal Part Number
Valve Terminal (coil pins inserted in electric rail, inlet is D-Sub connector) "T" = Valve Terminal	"R" = right end side "L" = left hand side	"16" = 16 mm wide	3way	From 02 to 14	0.03	MD 311 104 T, normally closed, port 2 in plate (M5), coil pins form C, 0.03 Cv (page 82)	3/2 valves, air supply port 1 (G1/8"), exhaust in coil tube (threaded M3)	T_16_3__104
						MD 311 104 L T, normally closed, port 2 in plate (pif 4mm), coil pins form C, 0.03 Cv (page 82)		T_16_3__144
					0.3	MD 310 343 T, normally closed, port 2 in valve (pif 4mm), 0.3 Cv (page 85)	3/2 valves, air supply port 1 and exhaust port 3 (G1/8")	T_16_3__303
						MOD 310 343 T, normally open, port 2 in valve (pif 4mm), 0.3 Cv (page 85)		
					0.5	MD 310 403 T, normally closed, port 2 in valve (G1/8"), 0.5 Cv (page 85)	3/2 valves, air supply port 1 and exhaust port 3 (G1/4")	T_16_3__403
						MD 310 463 T, normally closed, port 2 in valve (pif 6mm), 0.5 Cv (page 85)		
			MOD 310 403 T, normally open, port 2 in valve (G1/8"), 0.5 Cv (page 85)					
			0.3	MD 310 304 T, normally closed, port 2 in plate (pif 4mm), 0.3 Cv (page 86)	3/2 valves, all ports in plate, air supply port 1 and exhaust port 3 (G1/8")	T_16_3__344		
				MOD 310 304 T, normally open, port 2 in plate (pif 4mm), 0.3 Cv (page 86)				
			0.5	MD 310 404 T, normally closed, port 2 in plate (pif 6mm), 0.5 Cv (page 86)	3/2 valves, all ports in plate, air supply port 1 and exhaust port 3 (G1/4")	T_16_3__464		
				MOD 310 404 T, normally open, port 2 in plate (pif 6mm), 0.5 Cv (page 86)				
			5way	From 02 to 14 (double solenoid valves use 2 positions)	0.3	5way, ports 2 & 4 on valve and ports 1, 3 & 5 in plate, air supply port 1 and exhaust ports 3 & 5 (G1/8")	T_16_5__303	
								MD 510 303 T, 5/2way, ports 1, 2 & 4 (M5), 0.3 Cv (page 101)
								MD 510 343 T, 5/2way, 1, 2 & 4 (pif 4mm), 0.3 Cv (page 101)
								MD 520 303 T, 5/2way, double solenoid, ports 1, 2 & 4 (M5), 0.3 Cv (page 105)
		MD 520 343 T, 5/2way, double solenoid, ports 1, 2 & 4 (pif 4mm), 0.3 Cv (page 105)						
		MD 53_303 T, 5/3way, double solenoid, ports 1, 2 & 4 (M5), 0.3 Cv (page 114)						
		0.5		5way, ports 2 & 4 on valve and ports 1, 3 & 5 in plate, air supply port 1 and exhaust ports 3 & 5 (G1/4")	T_16_5__403			
						MD 510 403 T, 5/2way, port 1 (4mm), ports 2 & 4 (G1/8"), 0.5 Cv (page 101)		
						MD 510 463 T, 5/2way, port 1 (4mm), ports 2 & 4 (pif 6mm), 0.5 Cv (page 101)		
						MD 520 403 T, 5/2way, double solenoid, port 1 (4mm), ports 2 & 4 (G1/8"), 0.5 Cv (page 105)		
						MD 520 463 T, 5/2way, double solenoid, port 1 (4mm), ports 2 & 4 (pif 6mm), 0.5 Cv (page 105)		
						MD 53_403 T, 5/3way, double solenoid, port 1 (4mm), ports 2 & 4 (G1/8"), 0.5 Cv (page 114)		
		0.3	5way, all ports in plate, 2 & 4 (pif 4mm), air supply port 1 and exhaust ports 3 & 5 (G1/8")	T_16_5__344				
					MD 510 304 T, 5/2way, ports 1, 2, 3, 4 & 5 (3mm), 0.3 Cv (page 103)			
					MD 520 304 T, 5/2way, double solenoid, ports 1, 2, 3, 4 & 5 (3mm), 0.3 Cv (page 107)			
		0.5	5way, all ports in plate, 2 & 4 (pif 6mm), air supply port 1 and exhaust ports 3 & 5 (G1/4")	T_16_5__464				
					MD 53_304 T, 5/3way, double solenoid, ports 1, 2, 3, 4 & 5 (3mm), 0.3 Cv (page 116)			
					MD 510 404 T, 5/2way, ports 1, 2, 3, 4 & 5 (4mm), 0.5 Cv (page 103)			
		0.5	5way, all ports in plate, 2 & 4 (pif 6mm), air supply port 1 and exhaust ports 3 & 5 (G1/4")	T_16_5__464				
MD 520 404 T, 5/2way, double solenoid, ports 1, 2, 3, 4 & 5 (4mm), 0.5 Cv (page 107)								
MD 53_404 T, 5/3way, double solenoid, ports 1, 2, 3, 4 & 5 (4mm), 0.5 Cv (page 116)								
"22" = 22 mm wide	3way	From 02 to 12 (others on request)	3/2 valves, air supply port 1 and exhaust port 3 (G3/8")	T_22_3__703				
					1.3	MK 310 703 T, normally closed, port 2 in valve (G1/4"), 1.3 Cv (page 77 see MH 310 701 G)		
						MOK 310 703 T, normally open, port 2 in valve (G1/4"), 1.3 Cv (page 77 see MOH 310 701 G)		
	0.7	5way, ports 2 & 4 on valve and ports 1, 3 & 5 in plate, air supply port 1 and exhaust ports 3 & 5 (G1/4")	T_22_5__503					
				MK 510 503 T, 5/2way, port 1 (4mm), ports 2 & 4 (G1/8"), 0.7 Cv (page 102 see MH 510 503)				
					MK 520 503 T, 5/2way, double solenoid, port 1 (5mm), ports 2 & 4 (G1/8"), 0.7 Cv (page 106 see MH 520 503)			
				1.3	5way, all ports in plate, 2 & 4 (G1/8"), air supply port 1 and exhaust ports 3 & 5 (G1/4")	T_22_5__703		
							MK 53_503 T, 5/3way, double solenoid, port 1 (5mm), ports 2 & 4 (G1/8"), 0.7 Cv (page 115 see MH 53_503)	
				0.7	5way, all ports in plate, 2 & 4 (G1/8"), air supply port 1 and exhaust ports 3 & 5 (G1/4")	T_22_5__504		
	MK 510 703 T, 5/2way, port 1 (7mm), ports 2 & 4 (G1/4"), 1.3 Cv (page 102 see MH 510 703)							
	MK 520 703 T, 5/2way, double solenoid, port 1 (7mm), ports 2 & 4 (G1/4"), 1.3 Cv (page 106 see MH 520 703)							
	1.3	5way, all ports in plate, 2 & 4 (G1/4"), air supply port 1 and exhaust ports 3 & 5 (G3/8")	T_22_5__704					
				MK 53_703 T, 5/3way, double solenoid, port 1 (7mm), ports 2 & 4 (G1/4"), 1.3 Cv (page 115 see MH 53_703)				
				MK 510 504 T, 5/2way, ports 1, 2, 3, 4 & 5 (5mm), 0.7 Cv (page 104 see MH 510 504)				
	0.7	5way, all ports in plate, 2 & 4 (G1/8"), air supply port 1 and exhaust ports 3 & 5 (G1/4")	T_22_5__504					
MK 520 504 T, 5/2way, double solenoid, ports 1, 2, 3, 4 & 5 (5mm), 0.7 Cv (page 108 see MH 520 504)								
MK 53_504 T, 5/3way, double solenoid, ports 1, 2, 3, 4 & 5 (5mm), 0.7 Cv (page 117 see MH 53_504)								
1.3	5way, all ports in plate, 2 & 4 (pif 8mm), air supply port 1 and exhaust ports 3 & 5 (G3/8")	T_22_5__784						
			MK 510 704 T, 5/2way, ports 1, 2, 3, 4 & 5 (7mm), 1.3 Cv (page 104 see MH 510 704)					
			MK 510 704 T, 5/2way, double solenoid, ports 1, 2, 3, 4 & 5 (7mm), 1.3 Cv (page 108 see MH 520 704)					
Same valves as above (MK 510 704 T, MK 510 704 T and MK 53_704 T).								

All coils are 16mm wide, 1.8 Watt / 3 VA solenoid.
Every station is equipped with a varistor and red LED for coils 24V DC.