

Miniature low voltage solenoid valves, ideal for powering small cylinders in the packaging and process industries. Metal bodies with stand alone or manifold mounted versions.

- 2 sizes: M5 and 1/8"
- Compact body with large flow
- Quick response time, faster than 10ms
- Expected life time more than 50,000,000 cycles
- Low power consumption only 0.6W
- Optional multipin connector manifold
- Manual override






Operating information




Working pressure	: 1.5 to 7 bar
Working temperature	: -5°C to +50°C
Flow (Qmax)	A05 : 260 l/min
	A12 : 850 l/min
Flow Qn	A05 : 160 l/min
	A12 : 510 L/min

For more information see www.parker.com/euro_pneumatic

Directional control valves A05R and A12R series, inline / IEM manifold - Voltage 24V DC


Description (Electrically Actuated)	Order code A05R - M5 ports	Order code A12R - G1/8 ports
5/2 single solenoid 	A05RS251PM5MF	A12RS251PG1MF
5/2 double solenoid 	A05RD251PM5MF	A12RD251PG1MF
5/3 closed centre 	A05RD351PM5MF	A12RD351PG1MF

Directional control valves A05P/A12P series, sub-base version - Voltage 24V DC

Description (Electrically Actuated)	Order code A05P	Order code A12P
5/2 single solenoid 	A05PS251P	A05PS251P
5/2 double solenoid 	A05PD251P	A05PD251P
5/3 closed centre 	A05PD351P	A05PD351P


A05R/A12R Series Manifolds

Manifold for individual wiring threaded type



	No. of stations	Port size	Size	Order Code Manifold
	4	M5	A05	MMFU4A05G
	G1/8	A12	MMFU4A12G	
6	M5	A05	MMFU6A05G	
	G1/8	A12	MMFU6A12G	
8	M5	A05	MMFU8A05G	
	G1/8	A12	MMFU8A12G	

A05R/A12R Series Manifolds

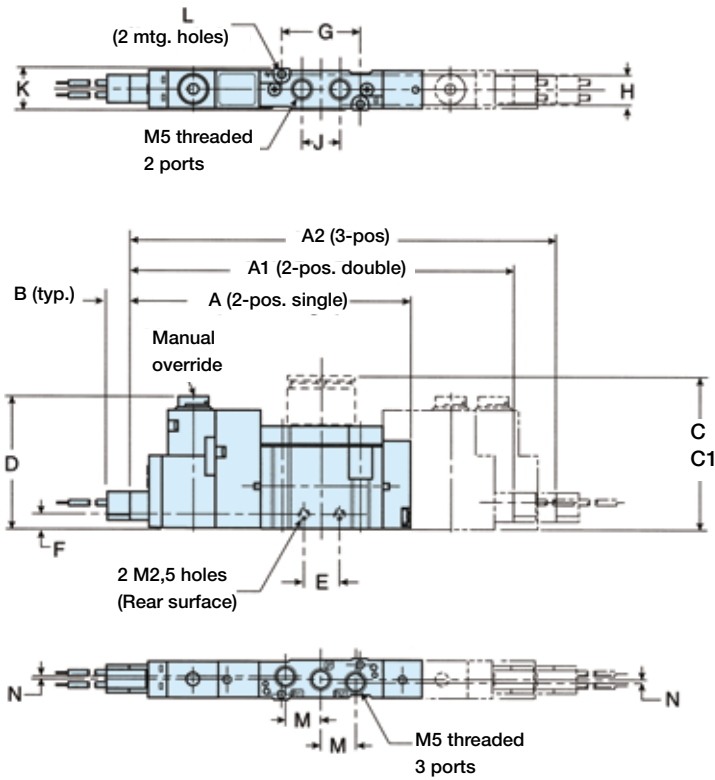
Manifold for individual wiring threaded type

	No. of stations	Port size	Size	Order Code Manifold
	4	M5	A05	MMFS4A05GM5
	G1/8	A12	MMFS4A12GG1	
6	M5	A05	MMFS6A05GM5	
	G1/8	A12	MMFS6A12GG1	
8	M5	A05	MMFS8A05GM5	
	G1/8	A12	MMFS8A12GG1	

Mounting and Wiring Accessories

Description	Order code
 Connector with lead wire black (-) red (+) 500mm	A05PDCCL5
 IEM blank plate kit (pack of 5)	A05RGBP A12RGBP
Subbase blank plate kit (pack of 5)	A05PGBP A12PGBP

A05R - Single and double operators - Body ported

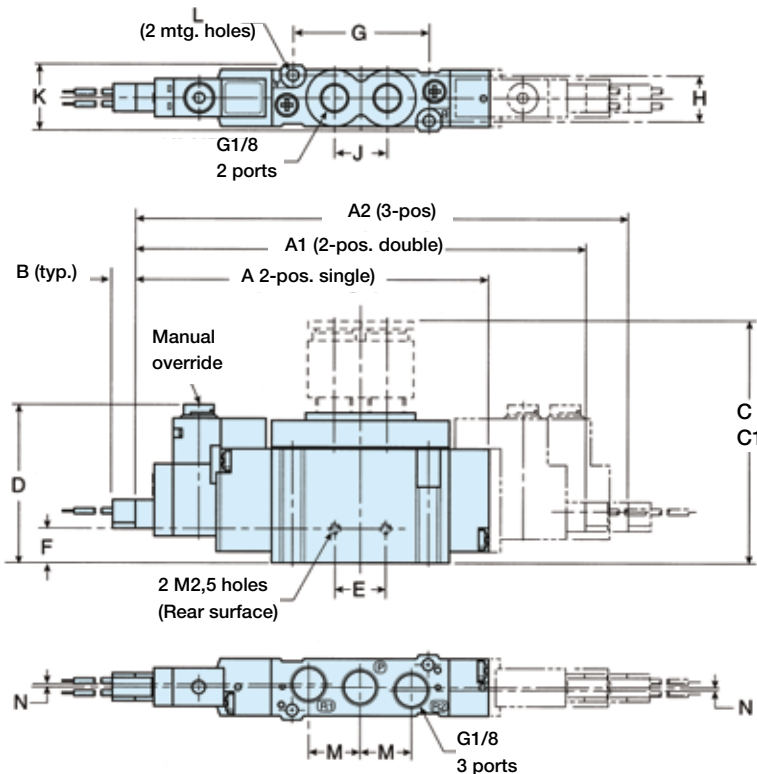


A05R - Body ported

A	A1	A2	B	C
74	100	108	6	-
C1	D	E	F	G
-	34,6	9,6	4	21
H	J	K	L	M
8,5	10,2	11,4	Ø2,1	9,5
N				
1				

Dimensions in mm

A12R - Single and double operators - Body ported

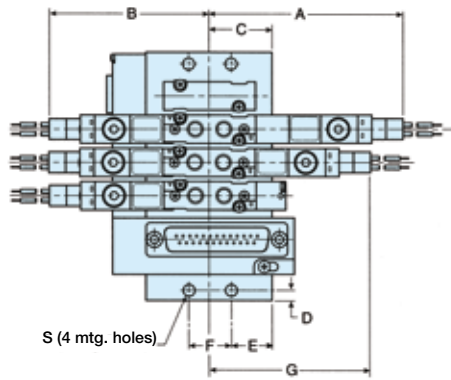


A12R - Body ported

A	A1	A2	B	C
93,5	119	130	6	-
C1	D	E	F	G
-	41,6	13,4	9	36
H	J	K	L	M
12	14	17,2	Ø3,1	13,6
N				
0,8				

Dimensions in mm

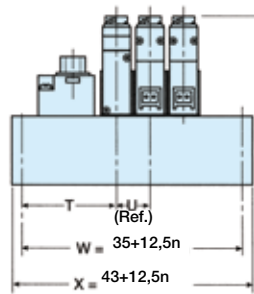
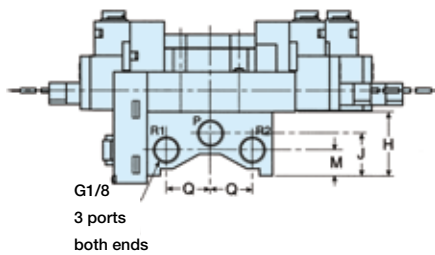
A05R - Manifold - Valve body ports



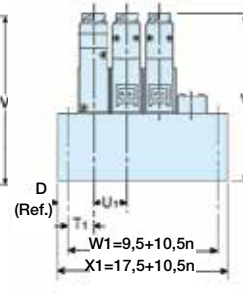
A05R - Manifold - valve body port

A	B	C	D	E
64	56	23,5	4	15,5
F	G	H	J	M
16	56	24	15,5	9,5
Q	S	T	T1	U
16	Ø4,5	34	10	12,5
U1	V			
10,5	63			

Dimensions in mm



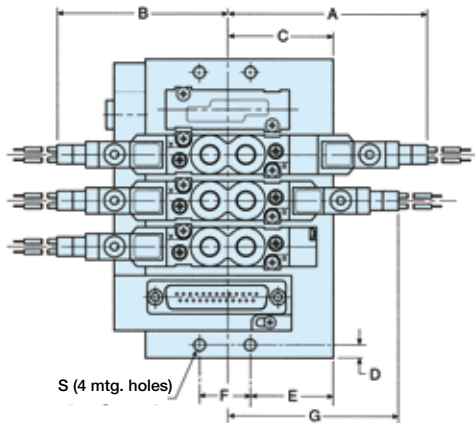
MMCU...



MMFU...

n = number of stations

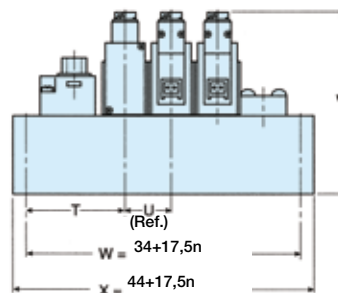
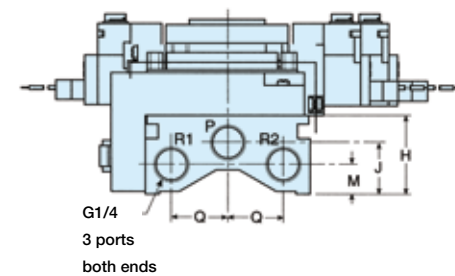
A12R - Manifold - Valve body ports



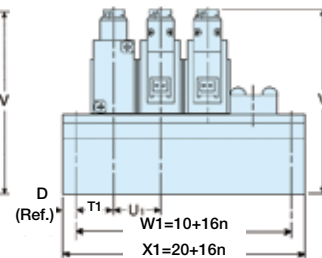
A12R - Manifold - valve body port

A	B	C	D	E
77	66	29	5	19,2
F	G	H	J	M
19,6	66	27,5	18	10,5
Q	S	T	T1	U
19,5	Ø4,5	37,5	12,2	17,5
U1	V			
16	70			

Dimensions in mm



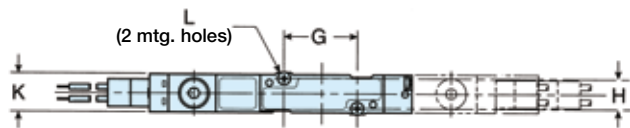
MMCU...



MMFU...

n = number of stations

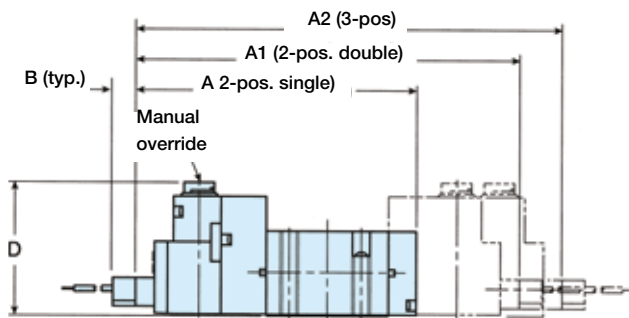
A05P - Single and double operators - Subbase



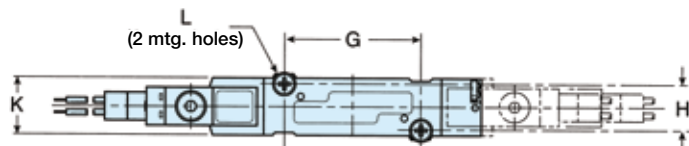
A05P - Subbase

A	A1	A2	B	D
74	100	108	6	35,1
G	H	K	L	
19	8,5	10	Ø2,1	

Dimensions in mm



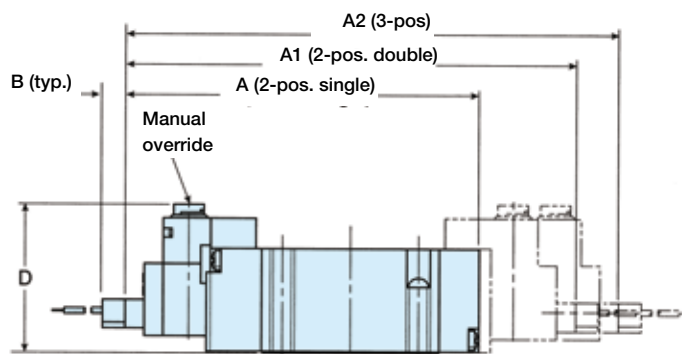
A12P - Single and double operators - Subbase



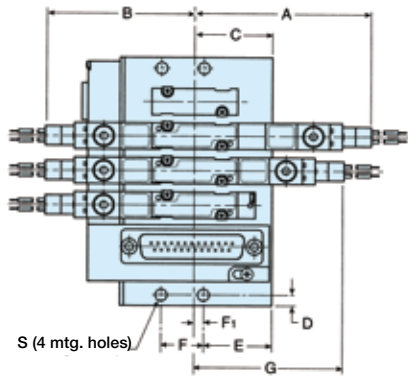
A12P - Subbase

A	A1	A2	B	D
93,5	119	130	6	39,1
G	H	K	L	
34	12	15	Ø3,1	

Dimensions in mm



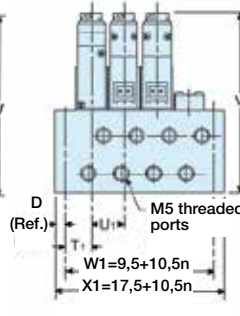
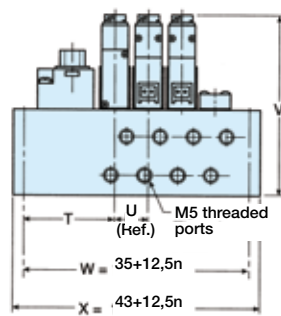
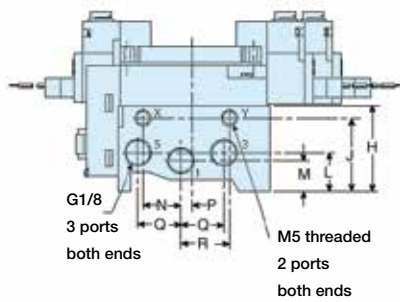
A05P - Manifold - Side ports



A05P - Manifold - Side ports

A	B	C	D	E
64	56	30,2	4	25,5
F	F1	G	H	J
16	4,7	56	32	28
L	M	N	P	Q
14,5	11,5	14	3	16
R	S	T	T1	U
18	Ø4,5	33,8	10	12,5
U1	V			
10,5	67			

Dimensions in mm

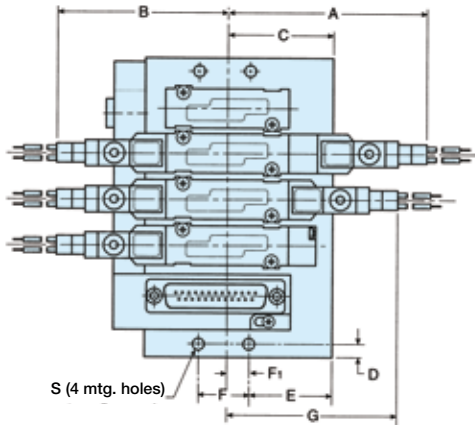


n = number of stations

MMCS...

MMFS...

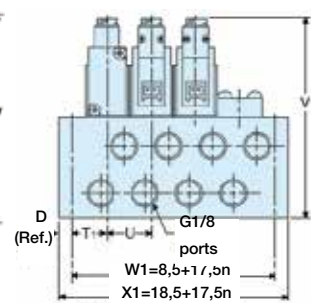
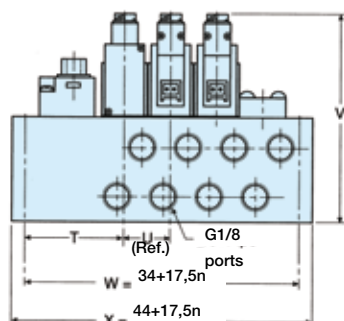
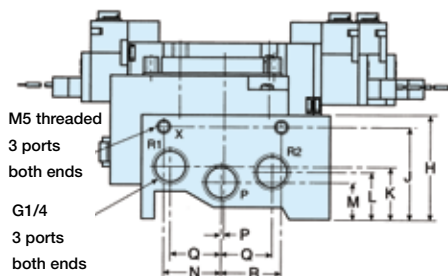
A12P - Manifolds - Side ports



A12P - Manifold - Side ports

A	B	C	D	E
77	66	40,4	5	31,7
F	F1	G	H	J
19,6	11	66	39,5	35
K	L	M	N	P
20,5	18	14	22	1
Q	R	S	T	T1
19,5	23	Ø4,5	37,2	12,7
U	V			
17,5	79			

Dimensions in mm



n = number of stations

MMCS...

MMFS...