#### 501 Series - Directional Control Valve Platform

### Featuring Higher Flow in a Compact Valve Package

#### **Features**

- · Solenoid air pilot actuated
- · Low wattage 0.8 Watt for DC application
- DC solenoids Polarity insensitive with surge suppression
- · Plug together circuit boards eliminate internal wiring
- · Integral recessed gaskets
- IN Fittings to accommodate various tube sizes
- · Simple conversion from internal to external pilot
- · IP65 Certified

#### Sandwich and Manifold Accessories

- · Pressure Regulators for supply pressure control at individual valve
- Speed control to control exhaust flow allows for control of actuator extend or retract speed
- Shut off block for individual valve to be isolated from pressure supply during operation and repair
- Mid Station Supply Manifold block allows for multiple pressure zones (with blocking discs) or additional air supply to a manifold

#### Fieldbus Electronics Compatible

- · G3 Fieldbus Electronics
  - Graphic Display for easy commissioning, visual status & diagnostics
  - 128 valve solenoids per manifold
  - Easy distribution of additional manifolds through Sub-bus communication
  - One Node supports up to 16 I/O modules
  - Available with Auto Recovery Module (ARM) which allows configuration information to be saved and reloaded to replacement module automatically
- 580 Fieldbus Electronics
  - Graphic Display for easy commissioning, visual status & diagnostics
  - 128 valve solenoids per manifold











#### **Performance Data**

Function Type	Type Code Pilot (14)		Interface	at 9	d Flow D PSI CV (ANR))	Response Time (ms)	Pilot Pre at 73°F/ PSI (b	23°C	Operat Pressu Port PSI (bar)/inl	ıre 1	
		Return (12)		1 → 2 1 → 4	2 → 3 4 → 5	Energize/ De-Energize	min.	max	min.	max	Part Number
	Rubber Packed Technology, with Manual Override										
	B1	Spring Return		0.460 (460)	0.465 (465)	14/29	29 (2)	115 (8)	28 (-0.95)	115 (8)	R501A2B10MA00F1
5/2	BN	Differential Air Return		0.460 (460)	0.465 (465)	25/21	29 (2)	115 (8)	28 (-0.95)	115 (8)	R501A2BN0MA00F1
	B4 Solen	Solenoid Air Return		0.460 (460)	0.465 (465)	11/11	29 (2)	115 (8)	28 (-0.95)	115 (8)	R501A2B40MA00F1
	B5	Center Open to Exhaust	Proprietary	0.420 (420)	0.470 (470)	27/12	29 (2)	115 (8)	28 (-0.95)	115 (8)	R501A2B50MA00F1
5/3	B6	Center Closed	Порпесату	0.460 (460)	0.465 (465)	13/12	29 (2)	115 (8)	28 (-0.95)	115 (8)	R501A2B60MA00F1
	В7	Center Open to Pressure		0.460 (460)	0.411 (411)	17/38	36 (2.5)	115 (8)	28 (-0.95)	115 (8)	R501A2B70MA00F1
2 x 3/2 NO	ВА	Normally Open		0.450 (450)	0.450 (450)	18/18	0.3 x Operating Pressure + 13 PSI	115 (8)	30 (2)	115 (8)	R501A2BA0MA00F1
2 x 3/2 NC	BD	Normally Closed		0.460 (460)	0.470 (470)	18/18	0.09 x Operating Pressure + 33.5 PSI	115 (8)	30 (2)	115 (8)	R501A2BD0MA00F1

#### Construction

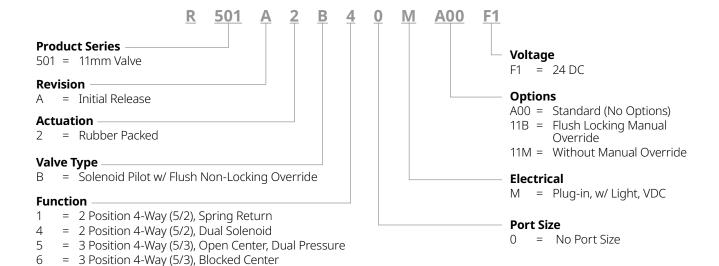
Materials	in Contact w/Fluid
Body	Aluminum, E-Coating treatment
Spool	Aluminum or Stainless Steel
Piston	POM
Spring	Steel
Spool Seals	NBR + PUR
Other Seals	NBR + FKM
Other materials	PAM (Polyarylamide) 50% Glass Fiber Reinforced
Valve to Subbase Gasket	NBR
Subbases	Aluminum, E-Coating treatment

## **Operating Data**

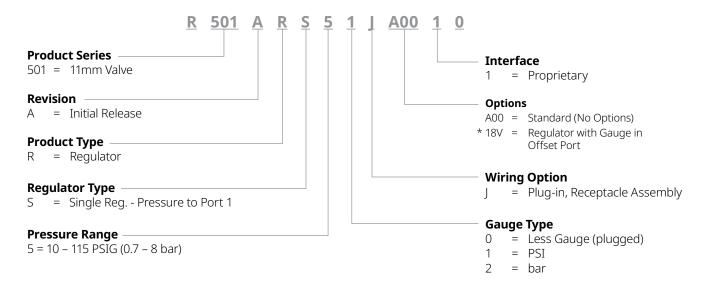
All Solenoids Are Continuous Duty Rated	24 VDC
Power (Watts)	0.8
Holding Current (Amps)	0.025
Ambient Temperature Range Min/Max °F (°C)	-14° F (-10° C)/122° F (50° C)

#### **How to Order: Valve**

3 Position 4-way (5/3), Open to 2 & 4 in Center
Dual 3-Way, 14 Normally Open – 12 Normally Open
Dual 3-Way, 14 Normally Closed – 12 Normally Closed
2 Position 4-Way (5/2), Differential Air Return w/o Spring



#### **How to Order: Regulator**

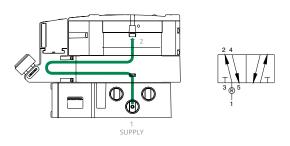


<sup>\*</sup> Regulator gauges must be offset with 18V option on alternating stations to prevent interference.

## **Sandwich Pressure Regulator Block**

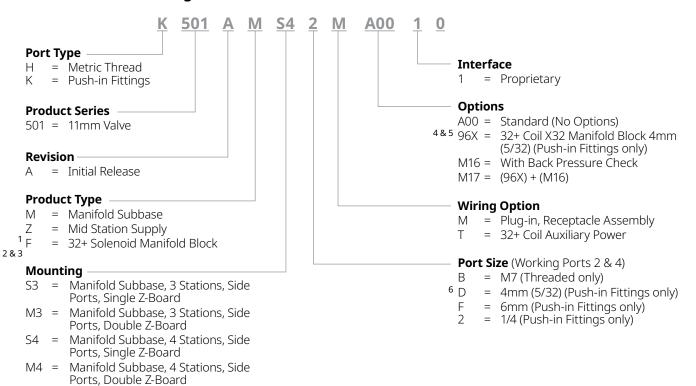
#### Type: RS





Single pressure from a single supply.

#### **How to Order: Mounting**



32+ Coil Manifold Subbase, 8 Stations,

Side Ports, Double Z-Board

<sup>&</sup>lt;sup>1</sup> Available with M4 mounting only

<sup>&</sup>lt;sup>2</sup> Product Type F available with Mounting M8 and Wiring Option T for an 8 station manifold block with mid-station supply, auxiliary power, and X32 drivers

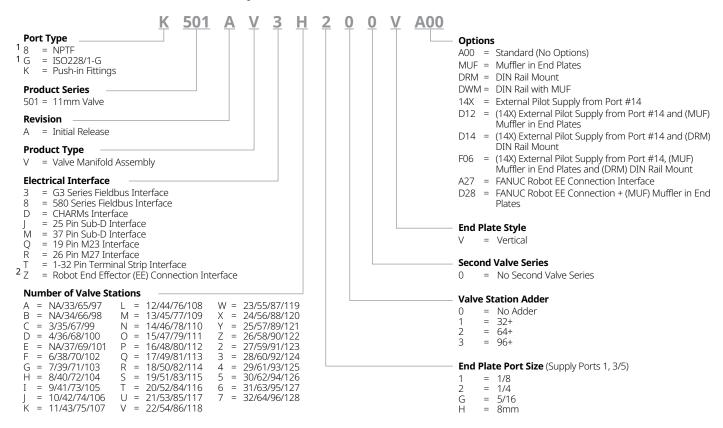
<sup>&</sup>lt;sup>3</sup> Product Type F available with Mounting M4 and Wiring Option M for a 4 station manifold block with X32 drivers

 $<sup>^{4}</sup>$  Option 96X is only available when F, M8, and T are selected together

 $<sup>^{5}</sup>$  Option 96X overrides the port size for the X32 manifold block only (stations 5-8)

<sup>&</sup>lt;sup>6</sup> Port Size D is not available when Product Type F, Mounting M8, and Wiring Option T is selected together

#### **How to Order: Manifold Assembly**



<sup>&</sup>lt;sup>1</sup> Port Type 8 & G available in Port Size 1/8

 ${\tt NOTE: See} \ the \ {\tt Multipin} \ {\tt Electrical} \ {\tt Interface} \ table \ for \ {\tt Max} \ {\tt Solenoid} \ {\tt Outputs}.$ 

#### Sub-D, Terminal Strip, Round Interface, and End Effector Interface

- Shaded components described by Assembly Kit model number designation
- Each valve manifold station is listed in sequential order from left to right when facing the port side of the manifold as indicated

#### **Example Order - 501 Shown**

•	
25 Pin Sub-D	K501AVJGG00VA00
Valve Station #1	R501A2B10MA00F1
Valve Station #2	R501A2B10MA00F1
Valve Station #3	R501A2B10MA00F1
Valve Station #4	R501A2B10MA00F1
Mounting #1	K501AMS42MA0010
Valve Station #5	R501A2B40MA00F1
Valve Station #6	R501A2B40MA00F1
Valve Station #7	R501A2B40MA00F1
Mounting #2	K501AMM32MA0010

0 0,0,0,0  $\Theta_{a}\Theta_{a}\Theta$ **6**,0,0,0 1 0 0,0,0,0  $\Theta_{a}\Theta_{a}\Theta$  $\Box \Theta_{\mathbf{a}} \Theta_{\mathbf{a}} \Theta \Box$ O O O O m

NOTE: Example order for Fieldbus electronics see 580 or G3 Fieldbus catalog.

Assembled



<sup>&</sup>lt;sup>2</sup> FANUC EE Interface (A27 or D28) must be selected under Options

## **Sandwich Option Kit**

Valve Series	Туре	Speed Control Kit	Shut Off Block Kit		Pressure	Block Kit			
		The state of the s							
		Inserted between the valve and the mounting. It allows the user to adjust the flow out of the 3 & 5 ports of the valve. This will allow them to adjust the speed of the extend and retract of the cylinder.	Used to shut-off pressure when mounted below valve. It allows for easy maintenance without the need to shut-off pressure to the entire manifold.	Used to supply a separate pressure to a single valve station without needing blocking discs.					
		12 (3) (2) (1) (4) (5) 14	EBB P A EA  XE (3) (2) (1) (4) (5) X  EBB P A EA	12 (3) (2) (1) (4) (5) 14 12 (3) (2) (1) (4) (5) 14					
				4mm Push-in 6mm Push-in 1/4 Push-in M7					
501 Series (11mm)	Proprietary	R501AS428500001	R501AY428501001	K501AW517220004	K501AW517220003	K501AW517220002	H501AW517220001		

#### **End Plate Kit**

End Plate Kit is used to stack multiple blocks together into a manifold assembly.



Vertical End Plates w/o DIN, w/o Muffler



Vertical End Plates w/o DIN, w/Muffler

Valve		Port Type	NPTF			G			Push In								
Series	Orientation	Port Number	1	3/5	14, 12	1	3/5	14, 12	1	3/5	14, 12	1	3/5	14, 12	1	3/5	14, 12
Series		Port Size	1/8	1/8	M7	1/8	1/8	M7		1/4		5/16	5/16	1/4	8mm	8mm	6 mm
		w/Muffler, w/DIN	8501	8501AK429465006		G501AK429465014		K501AK429465032		K501AK429465008		K501AK429465016					
501	Vertical	w/Muffler, w/o DIN	8501	8501AK429465005		G501AK429465013		55013	K501AK429465031		K501AK429465007		5007	K501AK429465015			
Series Vertical (11mm)	vertical	w/o Muffler, w/DIN	8501	8501AK429465002		G501AK429465010		55010	K501AK429465030		K501AK429465004		5004	K501AK429465012		55012	
		w/o Muffler, w/o DIN	8501	AK42946	55001	G501AK429465009		55009	K501AK429465029		K501AK429465003		K501AK429465011				

## **Multipin Electrical Interface**

Multipin Electrical	Product	Description		Part Number	Notes	Max. # of
Interface	Image (Example Only)	Description	501	, 502 & 503 Valve Series	Notes	Coils*
		Housing Kit Assembly w/o DIN Rail Clamps		P599AE428441001	External fusing or	
		Housing Kit Assembly w/DIN Rail Clamps		P599AE428441002	output protection recommended.	]
	To the second			SC2502MCX0000000		
25 Pin Sub-D		Female Cable 22 AWG – Unshielded, Standard	5m	SC2505MCX0000000	-	22
Interface				SC2510MCX0000000		
	4		2m	NDB25F22U02MSB4		
	4	Female Cable 22 AWG - Unshielded IP65	5m	NDB25F22U05MSB4	-	
				NDB25F22U10MSB4		
		Housing Kit Assembly w/o DIN Rail Clamps		P599AE428442001	External fusing or output protection	
	•	Housing Kit Assembly w/DIN Rail Clamps		P599AE428442002	recommended.	
		Female Cable 22 AWG – Unshielded, Standard		SC3702MCX0000000		32
37 Pin Sub-D	44			SC3705MCX0000000	-	
Interface				SC3710MCX0000000		] 52
		Female Cable 22 AWG - Unshielded IP65		NDB37F22U02MSB4		
				NDB37F22U05MSB4	-	
			10m	NDB37F22U10MSB4		
		Housing Kit Assembly w/o DIN Rail Clamps  Housing Kit Assembly w/DIN Rail Clamps		P599AE428436001	External fusing or	
19 Pin M23				P599AE428436002	output protection recommended.	- 16
Interface				CC1905MI00000000		
		M23 Female Cable	10m	CC1910MI00000000	_	
		Housing Kit Assembly w/o DIN Rail Clamps		P599AE502625001	External fusing or	
26 Pin M27		Housing Kit Assembly w/DIN Rail Clamps		P599AE502625002	output protection recommended.	
Interface			5m	CC2605MI00000000		22
		M27 Female Cable	10m	CC2610MI00000000	_	
1-32 Pin Terminal	1	Housing Kit Assembly w/o DIN Rail Clamps		P599AE428444001	1) External fusing or output protection	22
Strip Interface	16.	Housing Kit Assembly w/DIN Rail Clamps	P599AE428444002		recommended. 2) Min. Wire AWG 26, Max. Wire AWG 18.	32
Robot End Effector (EE) Interface		FANUC Housing Kit Assembly for PNP I/O		P599AE509838001	Internal cable available from FANUC.	8

 $<sup>\</sup>mbox{\ensuremath{\star}}$  Maximum number of valve stations is determined by:

- The electrical connection type.
- The valve type single solenoid valves up to the maximum solenoid outputs allowed by the electrical connection type (see chart above) or a combination of single and/or double solenoid valves not to exceed the maximum number of solenoid outputs allowed.
- Combination of all stations cannot exceed 32 solenoids.



### **Accessories Kit**

Accessories Kit	Product Image	Descr	intion	Port	Part Number
Accessories Ric	(Example Only)	Deser	peloli	Number	<b>501 Series</b> (11mm)
Blank Station Plate Kit			manifold station for re use.	-	P501AB429685001
DIN Rail Clamp Kit	40 m — 4	hardware for each	anifold assembly to N Rail. Kit includes end of the manifold. il not included.	-	239-980
				1	P501AD431915001
				3	P501AD431915002
		Used to isolate 1, 3 manifold	& 5 galleries of the	5	P501AD431915003
Blocking Disc Kit		NOTE: Includes t	-	1+3	P501AD431915004
		bloc	ked.	1 + 5	P501AD431915005
				3+5	P501AD431915006
				1, 3, 5	P501AD431915007
Internal Muffler Element		Muffler	Muffler element		427991-001
		Thread Type Tube Size		Quantity	<b>501 Series</b> (11mm)
		M7	4mm	10	H850A104B004N10
Fittings		M7	6mm	10	H850A104B006N10
		M7	1/4	10	H850A104B104N10

## **Replacement Parts Kit**

Replacement	Product Image	Description	Parts	Part Number
Parts Kit	S Kit (Example Only)		Included	<b>501 Series</b> (11mm)
Interface Mounting Kit	970 1:11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Includes Mounting Gaskets {(1) val (2) Accessories to valve or base, (1) Mi (1) End-Plate to electrical housing}, (1) Boo (2) Manifold block mounting screws and Electrical housing mounting s	Includes Mounting Gaskets {(1) valve to base, (2) Accessories to valve or base, (1) Manifold block, (1) End-Plate to electrical housing), (1) Body to base O-ring, (2) Manifold block mounting screws and lock washers, (4) Electrical housing mounting screws	
Regulator Gauge Replacement Kit		0 – 160 PSIG Regulator Gauge Head	Includes gauge head, o-ring,	M501AG504541001
Replacement Kit		0 – 11 bar Regulator Gauge Head	and hitch-pin.	M501AG504540001

### **Adaptor Plate Kit**

The adaptor plate allows the transition from 503 Series to 502 Series and 502 Series to 501 Series in a single manifold assembly. Includes the adapter plate, transfer board, gasket, screws.

Valve Series	Product Image (Example Only)	Description	Interface	Thread Type	Supply Port 1 Size	Part Number
<b>502 Series</b> (18mm)	0000	502 to 501 Adaptor Plate w/PCB	Proprietary	NPTF		8502AT429963001
501 Series (11mm)		502 to 501 Adaptor Plate w/PCB	Proprietary	G Tap	3/8"	G502AT429963002

### **Ordering Adaptor Plate Kit**

#### Example Order - 502 & 501 Manifold Shown

Example of del	- JUZ & JUT Mailliula Jii
25 Pin Sub-D	8502AVJH301VA00
Valve Station #1	R502A2B40MA00F1
Valve Station #2	R502A2B40MA00F1
Mounting #1	8502AMM21MA0010
Valve Station #3	R502A2B40MA00F1
Valve Station #4	R502A2B40MA00F1
Mounting #2	8502AMM21MA0010
Valve Station #5	R501A2B40MA00F1
Valve Station #6	R501A2B40MA00F1
Valve Station #7	R501A2B40MA00F1
Valve Station #8	R501A2B40MA00F1
Mounting #3	H501AMM4BMA0010
	Assembled



 $<sup>\</sup>mbox{*}$  Example purposes only. 502 Series to 501 Series Manifold shown.

NOTE: When looking at Cylinder Ports, Adaptor Plate can only be used to transition from 502 Series to 501 Series valves starting from the left side of a Manifold Assembly.

## **Mid-Station Supply Manifold Block Kit**

Valve Series	Product Image (Example Only)	Description	Interface	Thread Type	Supply Port 1 Size	Part Number
		Add additional supply and exhaust capacity to large manifold assemblies.	Proprietary	N A a turi a Tlaura a al	M7	H501AZM8BTA0010
				Metric Thread	M7	H501AZM4BMA0010
				Push-in Fittings	1/4	K501AZM82TA0010
501 Series					6mm	K501AZM8FTA0010
(11mm)					1/4	K501AZM42MA0010
					6mm	K501AZM4FMA0010
					4mm (5/32)	K501AZM4DMA0010

## Up to 128 Solenoid Coils with 500 Series Manifold Blocks

Valve Series	Product Image (Example Only)	Description	Maximum Solenoid Capacity	Mid-Station Supply & Auxiliary Power Requirements	Interface	Thread Type	Supply Port 1 Size	Part Number
						Metric Thread	M7	H501AFM4BMA0010
		501 32+ Solenoid 4-Station Manifold Block	64	Not Poquired	Proprietary		1/4	K501AFM42MA0010
		w/ X32 Valve Drivers	64	Not Required	Troprietary	Push-in Fittings	6mm	K501AFM4FMA0010
501							4mm (5/32)	K501AFM4DMA0010
Series (11mm)		501 32+ Solenoid Mid-Station Supply & Auxiliary Power 8-Station Manifold Block w/ X32 Valve Drivers	128	32+ Solenoid Manifolds/		Metric Thread	M7	H501AFM8BTA0010
	E 100 00 3				Droprioton		1/4	K501AFM82TA0010
				Islands	Proprietary	Push-in Fittings	6mm	K501AFM8FTA0010
	N. 22						4mm (5/32)	K501AFM8FT96X10*

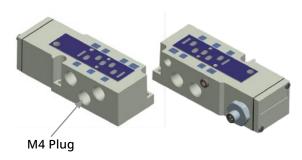
<sup>\*</sup> Option 96X overrides the port size for stations 5 – 8 of the X32 manifold block with 4mm (5/32) Push-in fittings.

NOTE: The Up to 128 Solenoid Coil blocks are required for valve manifolds/islands with more than 32 solenoid coils. It is highly recommended that the online DPM configurator is used when configuring extended solenoid coil manifolds/islands to eliminate errors and to save time.

Supported Protocols	580 Communication Node	G3 Communication Node and I/O
CC-Link IE Field™	-	√
EtherCAT <sup>®</sup>	√	√
Ethernet POWERLINK®	√	√
EtherNet/IP™ DLR	√	√
Modbus® TCP/IP	-	√
PROFIBUS® DP	√	√
PROFINET®	√	V
Valve Sub-bus	√	√

#### Internal/External Pilot Selection

#### **Individual Subbase**



NOTE: Individual Subbases are factory set for internal pilot supply. To convert to external pilot supply install M4 plug P.N. 129-216 (sold separately) down inside in the pressure port (1). Remove the 1/8 pipe plug from port 14 to supply pilot pressure.

## **Manifold Assembly**

# Internal Pilot Supply Plug Location





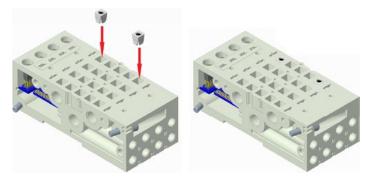


NOTE: Manifold Assemblies are factory set for internal pilot supply. To convert to external pilot supply install pilot supply seal screws 501 Series: 127-803.

#### **501 Back Pressure Check Kit**

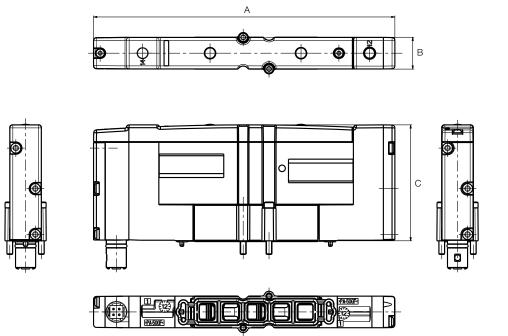
Replacement Parts Kit	Product Image (Example Only)	Description	Parts Included	Restrictions	Part Number
Back Pressure Checks		Back pressure checks installed in ports 3 and 5 of the manifold blocks. Used to reduce/prevent back pressure into the valve.	2x Check Bodies and 2x Balls	Pressure must come from port 1 and exhaust must leave ports 3 and 5. Not allowed with Dual Pressure setup or Pilot supply from port 14 (no option 14X or combination thereof)	M501AU535182001

### **Manifold Assembly**



## Dimensions: mm (inches)

## **501 Series Plug-in Valve**





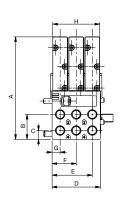
Weight	Valve	Manifo	End			
Weight	Body	3-Station	4-Station	Plates		
lbs (kg)	0.205 (0.093)	0.50 (0.23)	0.60 (0.27)	1.20 (0.54)		

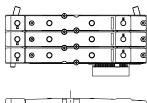
Α	В	С
105	11	40.4
(4.13)	(0.43)	(1.59)

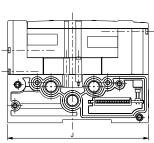
### **Dimensions: mm (inches)**

## **Plug-in Valve Mounted**

#### **3-Station Manifold Block**







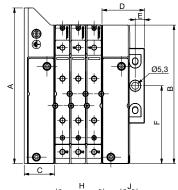


Α	В	С	D	E	F	G	Н	J
76.4	18.5	6.5	36	30	18	6	35	105
(3.008)	(0.728)	(0.26)	(1.42)	(1.18)	(0.71)	(0.236)	(1.38)	(4.13)

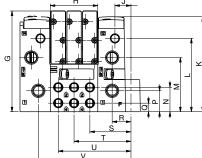
### **Dimensions: mm (inches)**

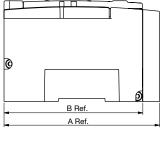
## **Plug-in Valve Mounted**

## **3-Station Manifold Assembly**





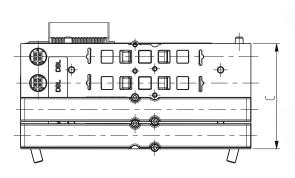




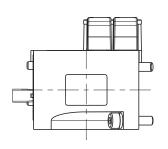
Α	В	С	D	E	F	G	Н	J	K	L	М	N	Р	Q	R	S	T	U	V
118	105	23	32.3	7.1	59	76.4	36	12.2	72	55.6	41.1	18.5	15.9	6.5	14.3	31.2	43.2	55.2	70.3
(4.646)	(4.134)	(0.91)	(1.27)	(0.28)	(2.32)	(3.008)	(1.42)	(0.48)	(2.84)	(2.19)	(1.618)	(0.73)	(0.626)	(0.26)	(0.56)	(1.23)	(1.7)	(2.173)	(2.768)

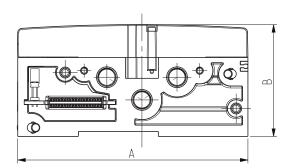
## Dimensions: mm (inches)

**501 Series Mid-Station Supply Block** 





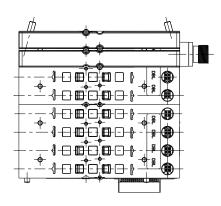




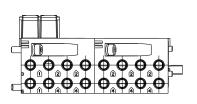
Α	В	С
105	51	48
(4.13)	(2.01)	(1.89)

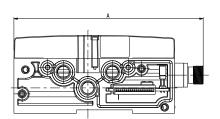
### **Dimensions: mm (inches)**

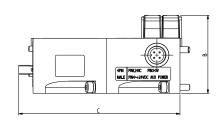
501 Series 32+ Solenoid Mid-Station & Auxiliary Power 8-Station Manifold Block with X32 Valve Drivers











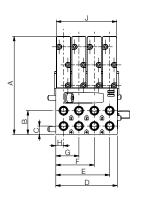
Weight
lbs (kg)
1.45
(0.66)

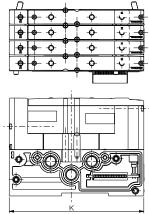
Α	В	С
123.6	51	105.3
(4.87)	(2.01)	(4.15)

### **Dimensions: mm (inches)**

## **Plug-in Valve Mounted**

#### **4-Station Manifold Block**





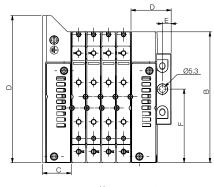


Α	В	С	D	E	F	G	Н	J	К
76.4	18.5	6.5	48	42	30	18	6	47	105
(3.008)	(0.728)	(0.256)	(1.890)	(1.653)	(1.181)	(0.709)	(0.236)	(1.850)	(4.134)

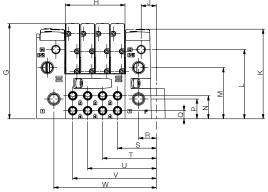
### **Dimensions: mm (inches)**

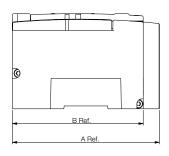
## **Plug-in Valve Mounted**

### **4-Station Manifold Assembly**







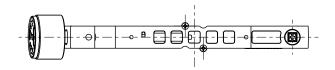


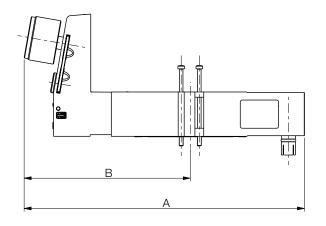
Α	В	С	D	E	F	G	Н	J	K	L	М	N	Р	Q	R	S	Т	U	V	W
118	105	23	32.3	7.1	59	76.4	48	12.2	72	55.6	41.1	18.5	15.9	6.5	14.3	31.2	43.2	55.2	67.2	82.3
(4.65)	(4.13)	(0.90)	(1.27)	(0.28)	(2.32)	(3.01)	(1.89)	(0.48)	(2.83)	(2.19)	(1.62)	(0.73)	(0.63)	(0.26)	(0.56)	(1.23)	(1.70)	(2.17)	(2.65)	(3.24)

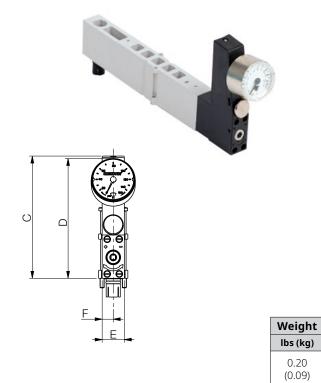
### **Dimensions: mm (inches)**

## **Sandwich Pressure Regulator**

## **Single Regulator**



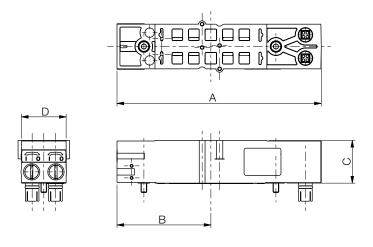




Α	В	С	D	E	F
139.1	82.5	60.7	59.5	11	5.5
(5.476)	(3.248)	(2.390)	(2.342)	(0.433)	(0.216)

### **Dimensions: mm (inches)**

#### Sandwich Shut Off Block Kit



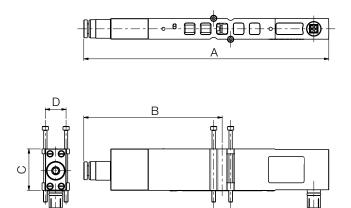


Weight
lbs (kg)
0.25 (0.11)

Α	В	С	D	
105.2	48.4	22	23	
(4.142)	(1.905)	(0.866)	(0.905)	

### **Dimensions: mm (inches)**

#### **Sandwich Pressure Block Kit**



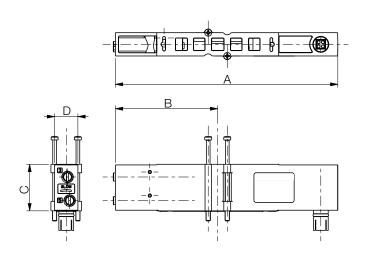


Weight
lbs (kg)
0.15 (0.07)

A	В	С	D
130.1	73.5	22.0	11.0
(5.12)	(2.89)	(0.87)	(0.43)

## **Dimensions: mm (inches)**

## **Sandwich Speed Control Kit**



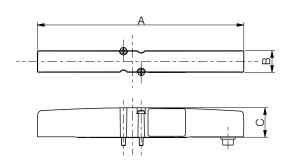


Weight
lbs (kg)
0.15
(0.07)

Α	В	С	D	
105.1	48.4	22	11	
(4.137)	(1.905)	(0.866)	(0.433)	

## Dimensions: mm (inches)

**Blank Station Plate Kit** 





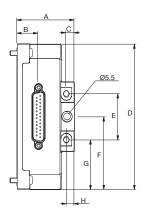
	Weight
	lbs (kg)
l	0.10
	(0.05)

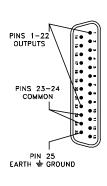
A	В	С
105.1	11	15
(4.138)	(0.433)	(0.591)

## **Dimensions: mm (inches) Adaptor Plate Kit 502 Valve Series to 501 Valve Series** Weight lbs (kg) 1.05 (0.48)Α В C 120 33.5 57.5 (4.72)(1.32) (2.26)

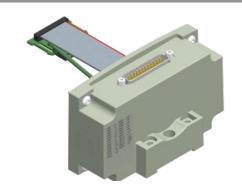
#### **Dimensions: mm (inches)**

#### 25 Pin Sub-D Connector Kit









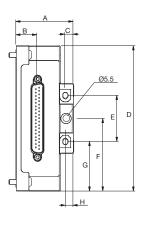
Weight
lbs (kg)
0.70
(0.32)



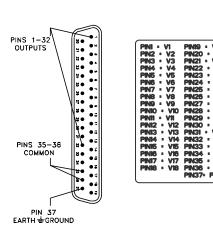
Α	В	С	D	E	F	G	Н	J	К
46.4	17	6.7	118	37.5	59	40.2	6.7	68.1	24.4
(1.827)	(0.669)	(0.26)	(4.65)	(1.48)	(2.32)	(1.58)	(0.26)	(2.68)	(0.96)

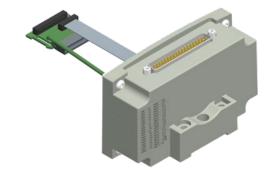
#### **Dimensions: mm (inches)**

#### 37 Pin Sub-D Connector Kit







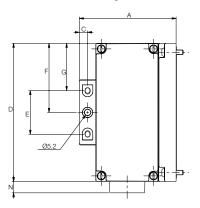


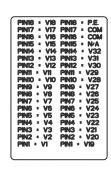
Weight
lbs (kg)
0.70
(0.32)

Α	В	С	D	E	F	G	Н	J	K
46.4	17	6.7	118	37.5	59	40.2	6.7	68.1	24.4
(1.827)	(0.669)	(0.26)	(4.65)	(1.48)	(2.32)	(1.58)	(0.26)	(2.68)	(0.96)

### **Dimensions: mm (inches)**

## 1-32 Terminal Strip Kit







1/2 NPTF Tap
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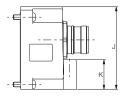
Weight						
lbs (kg)						
1.20						
(0.54)						

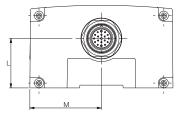
... . . .

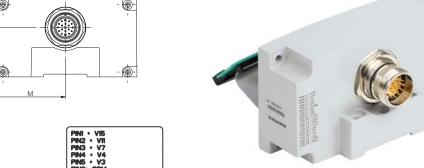
Α	U	D	E	F	G	J	K	N	P	Q
82.7	7		l	1	40.2					
(3.256)	(0.28)	(4.65)	(1.48)	(2.32)	(1.583)	(2.68)	(0.96)	(0.39)	(1.65)	(0./6)

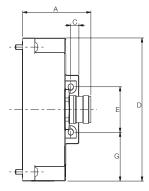
### **Dimensions: mm (inches)**

#### 19 Pin M23 Connector Kit









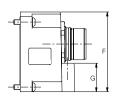


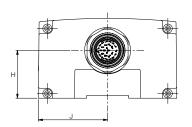
Weight						
lbs (kg)						
0.70						
(0.32)						

Α	С	D	E	G	J	K	L	М
56.3	6.7	118	37.5	40.2	68.1	24.4	40.8	59
(2.217)	(0.26)	(4.65)	(1.48)	(1.583)	(2.68)	(0.96)	(1.61)	(2.323)

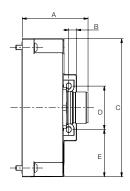
#### **Dimensions: mm (inches)**

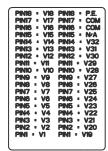
#### 26 Pin M27 Connector Kit









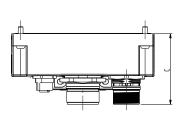


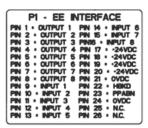
Weight							
lbs (kg)							
0.70							
(0.32)							

Α	В	С	D	E	F	G	Н	J
56.1	6.7	118	37.5	40.2	68.1	24.4	40.8	59
(2.209)	(0.264)	(4.65)	(1.48)	(1.58)	(2.68)	(0.961)	(1.61)	(2.32)

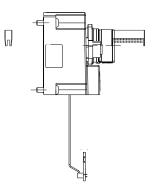
### **Dimensions: mm (inches)**

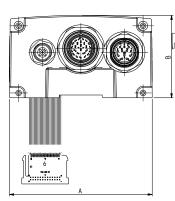
### **Robot FANUC End Effector (EE) Interface**

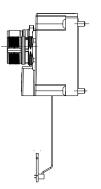












Weight
lbs (kg)
0.90
(0.41)

Α	В	С
118	68.1	58.4
(4.65)	(2.68)	(2.30)