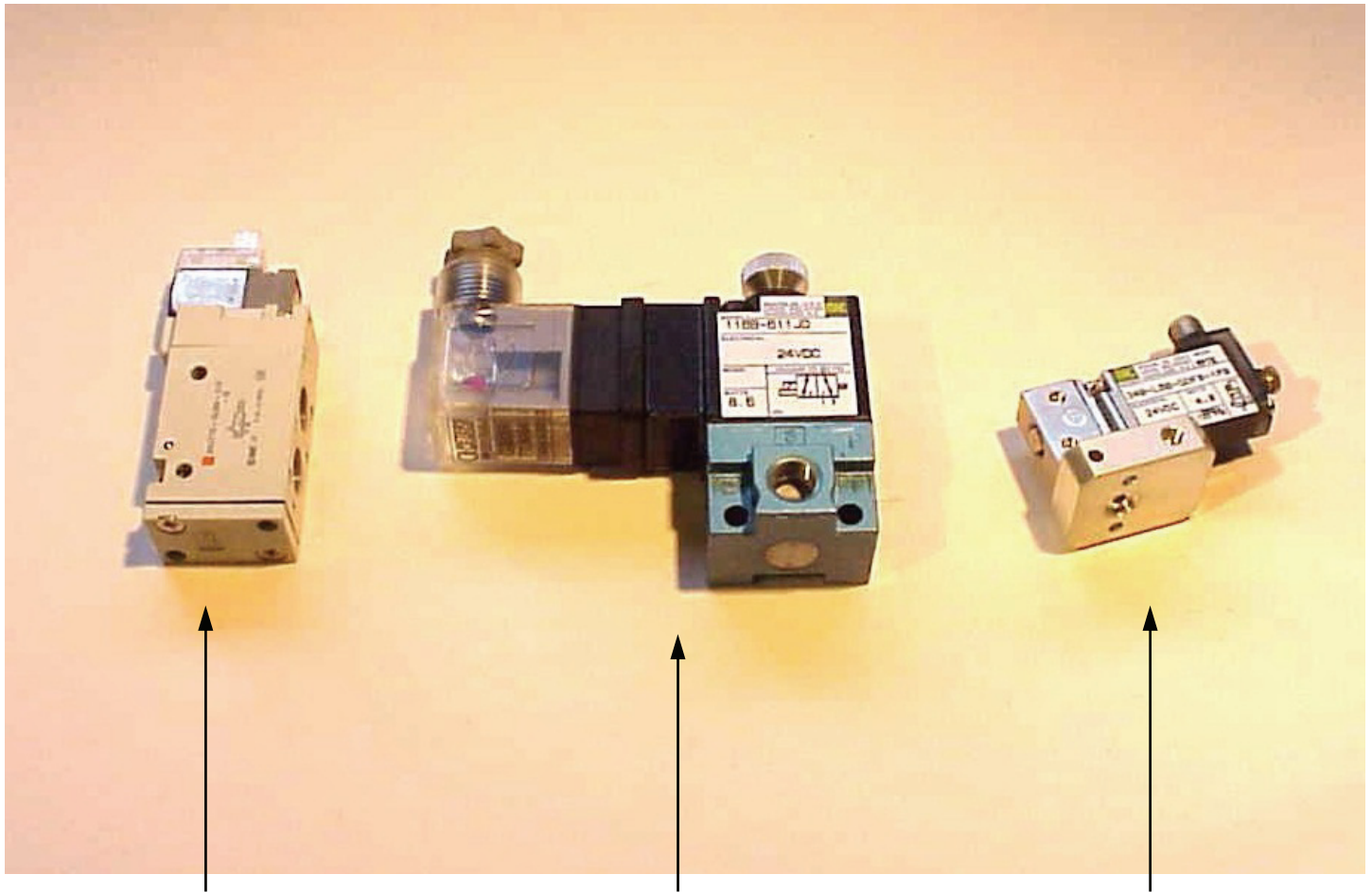




Modular System Control Data Sheets - Part 3

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SMC SYJ Series

Part No: 524-100

Voltage - 24 V DC

Power - 0.5 W

Type - 3 / 2

Manual override and led 'on' indicator fitted.

Recommended use:

Spray Air for Kaymich SV6A installations - will supply up to 4 valves using Quma manifold.

3 m Cable assy. 940-050

MAC 100 Series

Part No: 510-000

Voltage - 24V DC

Power - 8 W

Type - 3 / 2

Now has modification for high repeatability and high temperature use. (T65N/2181)
Recommended use:

SEV 366 extrusion valves on case makers, auto folder gluers and pneumatic hot melt guns.

3 m Cable assy. 940-000

MAC 34 Series

Part No: 350-200

Voltage - 24 V DC

Power - 4 W

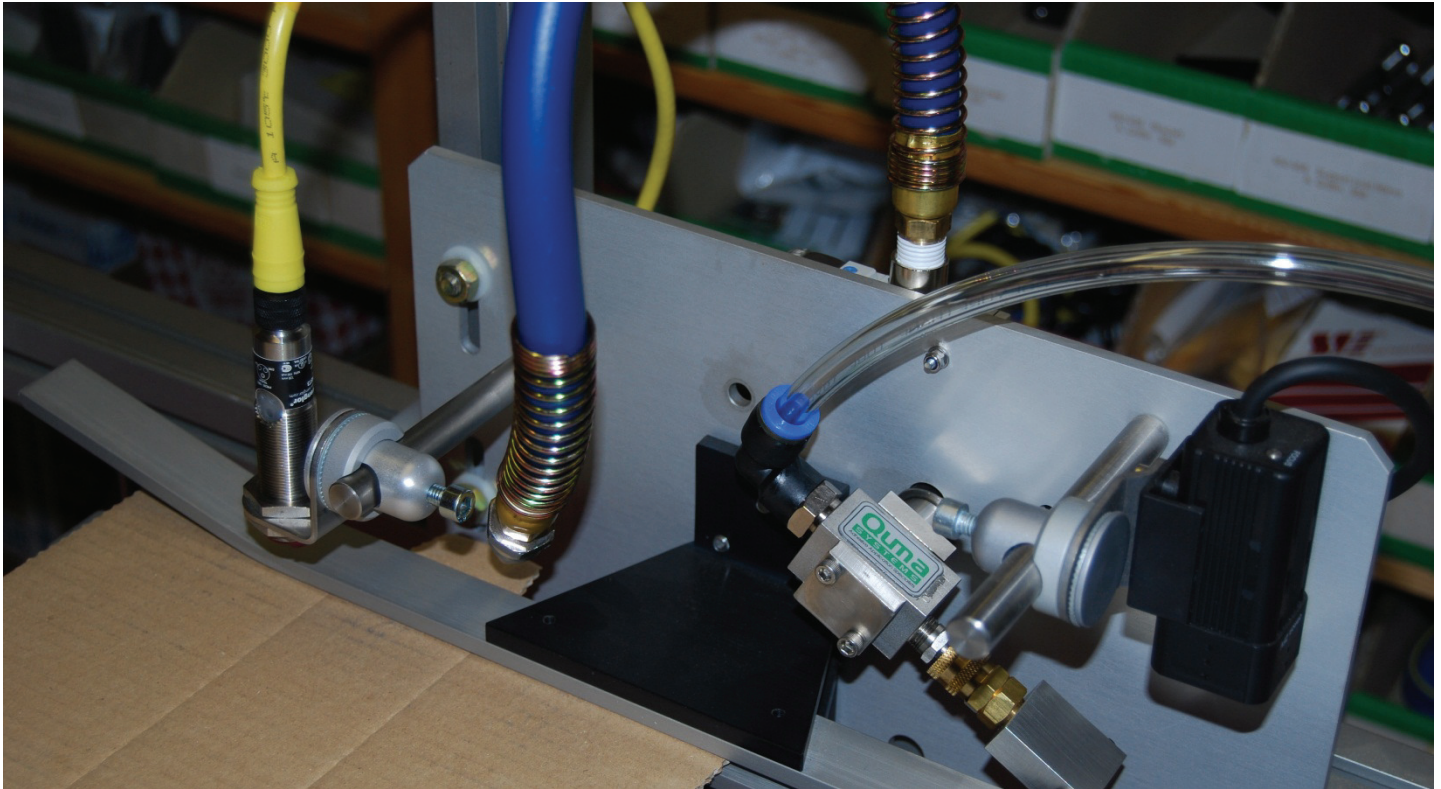
Type - 3 / 2

No manual override. Led 'on' Indicator fitted.

Recommended use:

Kaymich SV6A spray valves using the Quma manifold plate shown.

3 m Cable assy. 940-025



This device is intended to be used with Quma MSC1 controllers with 24V DC outputs only.

The SMC solenoid valve plugs into the redundant AIR socket on the controller which is only used for spray applications. The AIR switch on the control panel may be used to TEST the blower and switch it ON to operate. If not required switch OFF to conserve compressed air.

When the photo-sensor detects a board it will switch on the air solenoid and the air blast will stay on for a fraction of a second after the glue cycle ends.

If your sensor is aligned with the glue tab it will probably be necessary to move it so that it detects the leading edge of the board to allow sufficient time for the blast to deflect loose tabs.

Kit contains:

Solenoid type: SMC SYJ series pt. no. 524-100

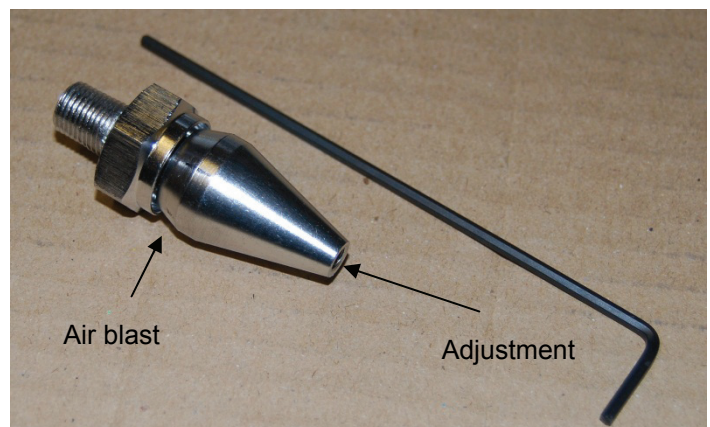
Cable type: SMC 3 metre pt.no. 940-050

Stay put hose: 18" stay set hose pt.no. 990-300

Air nozzle: 1/8" adjustable type pt.no. 991-250

Air hose: 5 metres 8/6mm Green polyurethane

Adjustable Air Nozzle



The nozzle uses only a small amount of compressed air and delivers it around the base of the nozzle. The air follows the shape of the nozzle and entrains ambient air to give a much larger volume.

To adjust the volume loosen the grub screw with an allen key and rotate the nozzle anti-clockwise to increase or clockwise to decrease air flow. Then re-lock the grub screw.

Caution:
adjustment should not be carried out with the air solenoid switched on!



Specification:

Connections -	1/4" b.s.p.
Gauge Connection -	1/8" b.s.p.
Max Inlet Pressure -	13 bar / 185 psi
Max Ambient Temp.	50 C
Pressure Range -	0-8 bar
Filtration -	20 micron
Body material -	technopolymer with threaded brass inserts

Features:

- Fast action, lockable shut off valve
- Bowl protection guard fitted
- Manual drain fitting, automatic drainage bowl available on request
- Double filtration by centrifugal force and by reusable HDPE porous filter element
- Adjustment knob lockable by pushing down
- Mounting by either concealed M4 screws or panel mount bracket
- Supplied with 1/8" b.s.p. 0-100 psi gauge

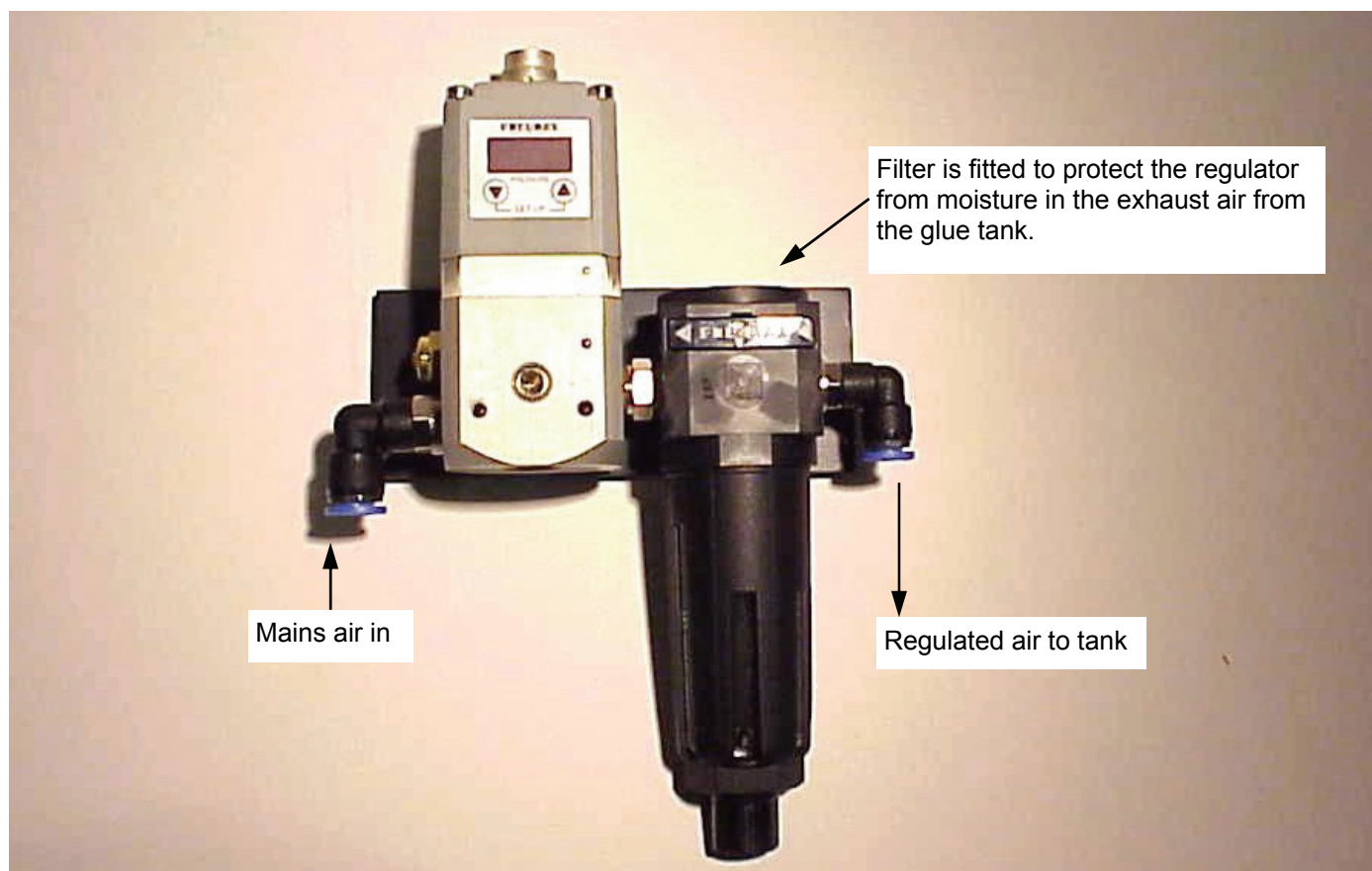


Specification:

Connections - 1/4" b.s.p.
Gauge Connection - 1/8" b.s.p.
Max Inlet Pressure - 16 bar / 230 psi
Max / Min Temp. + 60 to - 10 C
Pressure Range - 0-12 bar
Filtration - 40 micron
Permitted media - compressed air only
Body material - diecast zinc

Features:

- Fast action, lockable shut off valve
- Bowl protection guard fitted
- Manual drain fitting, automatic drainage bowl available on request
- Double filtration by centrifugal force and by reusable HDPE porous filter element
- Adjustment knob lockable by pushing down
- Mounting by panel mount brackets supplied
- Supplied with 1/8" b.s.p. 0-16 bar gauge
- Flow direction L to R (reversible if required)

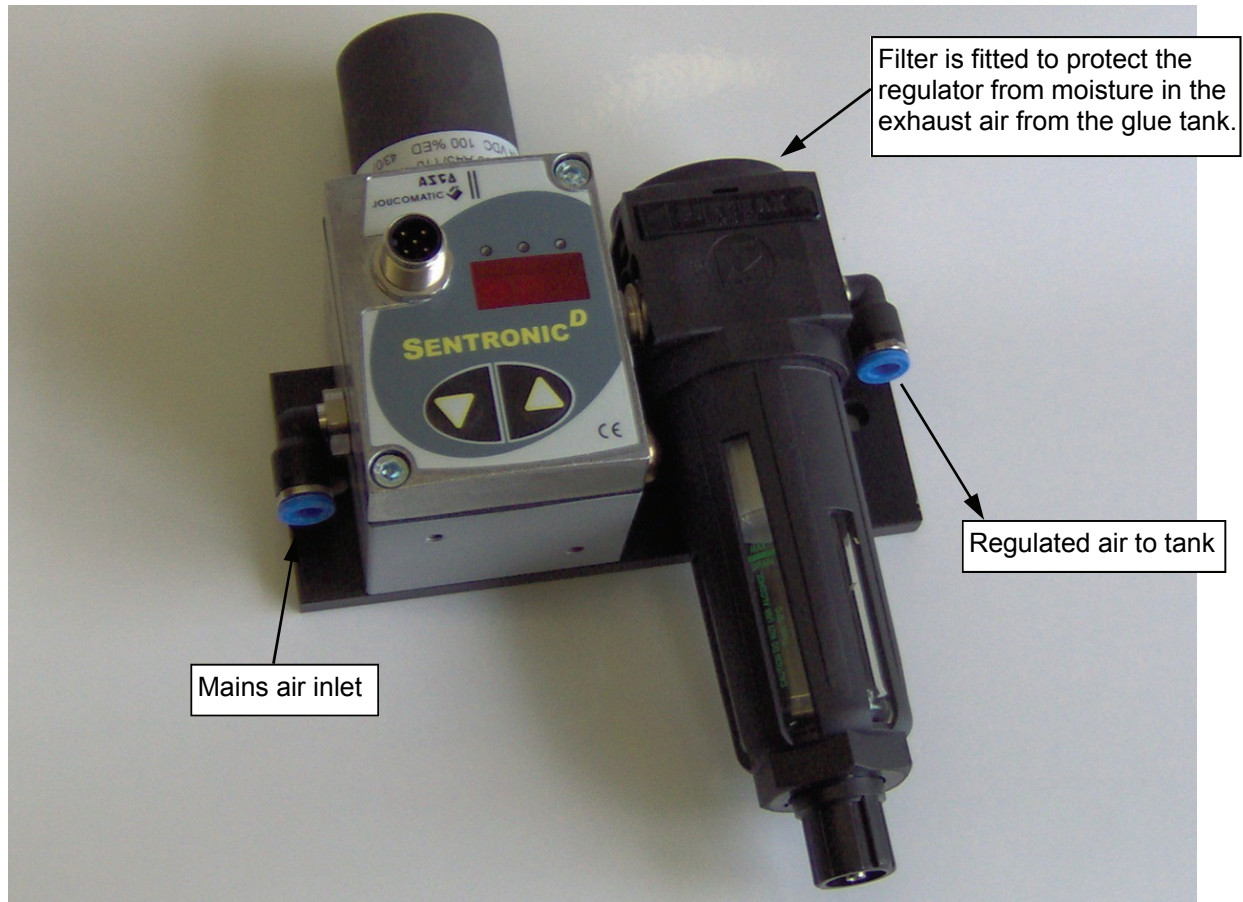


Specification:

Supply Voltage -	24 V DC
Input Signal -	0-10 V DC
Max Inlet Pressure -	10 bar / 145 psi
Connections -	1/4" b.s.p. Inlet 1/8" b.s.p. Exhaust 8 pin DIN 45326 (elec)
Filtration -	1 micron (99.97%)
Connection -	1/8" b.s.p. Outlet
Drain -	Manual (automatic available if required)

Features:

- Programmable digital pressure display
- Plugs into all MSC series controls
- Gives variable glue output proportional to machine speed
- Fitted with Coalescing filter to protect device from moisture in exhausted air from tank
- Has built in safety shut down feature if air supply is turned off.
- Supplied with panel mounting plate
- Supplied with 1 metre screened cable with 6 pin connector compatible with MSC systems

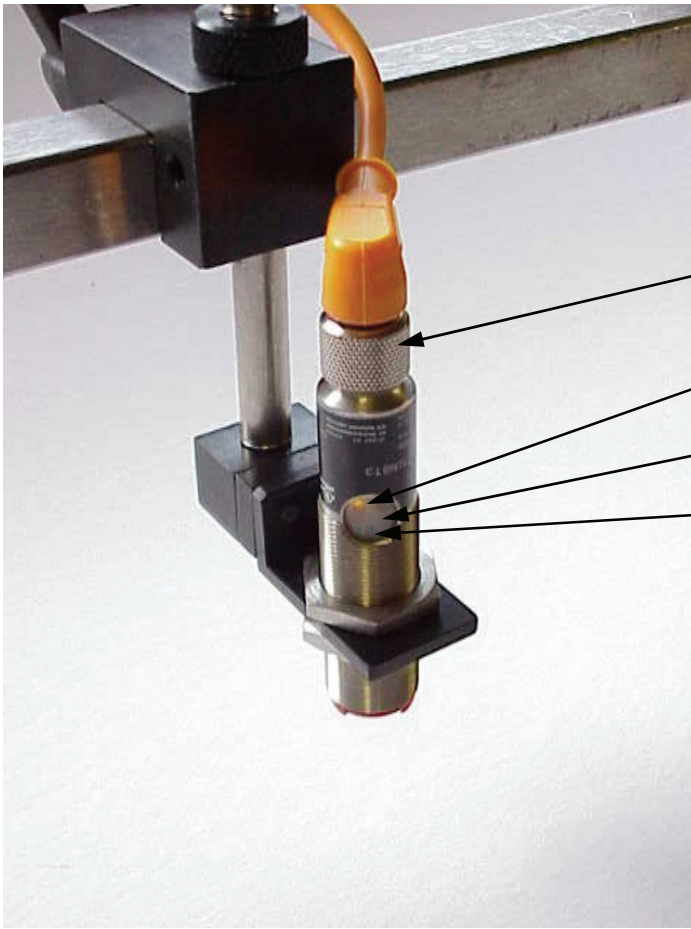


Specification:

Supply Voltage -	24 V DC
Input Signal -	0-10 V DC
Max Inlet Pressure -	9 bar / 130 psi
Connections -	1/8" b.s.p. Inlet 1/8" b.s.p. Exhaust 5 pin DIN
Filtration -	1 micron (99.97%)
Connection -	1/8" b.s.p. Outlet
Drain -	Manual (automatic available if required)

Features:

- Programmable digital pressure display
- Plugs into all MSC series controls
- Gives variable glue output proportional to machine speed
- Fitted with Coalescing filter to protect device from moisture in exhausted air from tank
- Has built in safety shut down feature if air supply is turned off.
- Supplied with panel mounting plate
- Supplied with 1 metre screened cable with 6 pin connector compatible with MSC systems
- Programming & diagnostics via RS232 port



Features:

- Stainless steel body and connector thread
- I P 67 rating
- Removable cable/connector - 5 metre screened cable (straight or 90 degree)
- Sensor led (yellow)
- Contamination warning led (red)
- Teach button for background suppression
- Range up to 120 mm
- Visible Red dot for alignment
- Various mountings available

Specification: Part No: 700-000 (HD12NBT3)

Type - Diffuse scan - no reflector required

Switching - NPN (normally open)

Range - upto 120 mm

Power supply - 10-30 V DC

Consumption - less than 30 mA

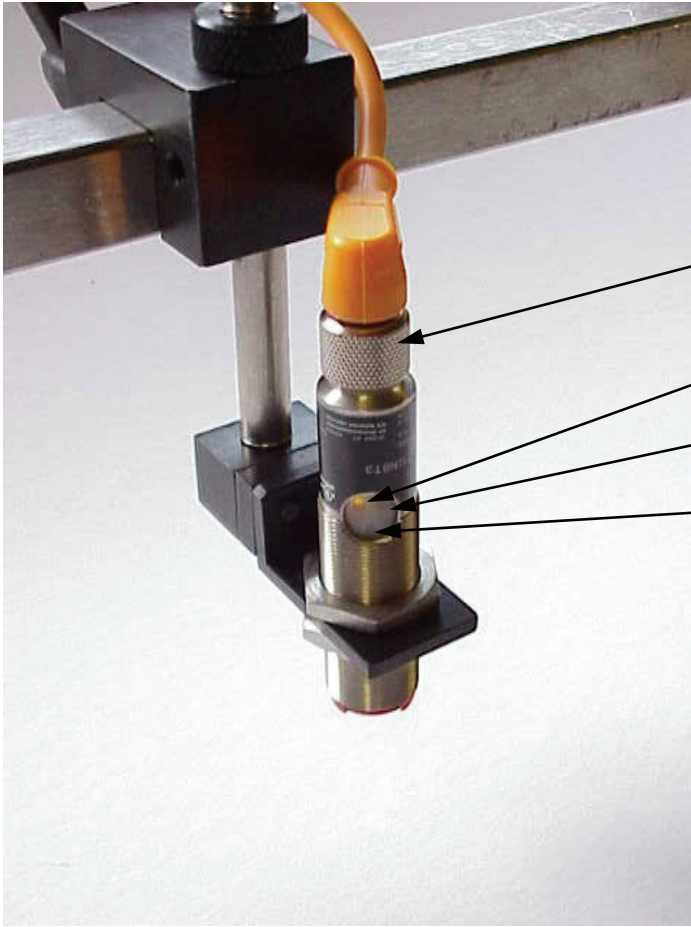
Frequency - 600 Hz

Response time - 0.8 m/sec

Protection modes - Overload,
Reverse Polarity and
Short Circuit proof

Connections:

Brown	1	10-30V DC
White	2	external teach
Blue	3	0 V
Black	4	signal NPN N/O



Features:

- Stainless steel body and connector thread
- I P 67 rating
- Removable cable/connector - 5 metre screened cable (straight or 90 degree)
- Sensor led (yellow)
- Contamination warning led (red)
- Teach button for background suppression and programming NO & NC
- N O (normally open) and NC (normally closed) selection by software
- Range up to 120 mm
- Visible Red dot for alignment
- Various mountings available

Specification: Part No: 700-000 (HD12NCT3)

Type - Diffuse scan - no reflector required

Switching - NPN (normally open)

Range - up to 120 mm

Power supply - 10-30 V DC

Consumption - less than 30 mA

Frequency - 600 Hz

Response time - 0.8 m/sec

Protection modes - Overload,
Reverse Polarity and
Short Circuit proof

Connections:

Brown	1	10-30V DC
White	2	external teach
Blue	3	0 V
Black	4	signal NPN N/O

This sensor now has four modes:

1	NO	Background Teach-in
2	NO	Foreground Teach-in
3	NC	Background Teach-in
4	NC	Foreground Teach-in

The 'default' setting is no. 2 Please refer to the instruction sheet supplied for full information on how to make any changes.



Specification:

Part No: 720-000

Voltage -	10 - 30 V DC
Output -	Open Collector
Resolution -	200 pulses per revolution
Shaft size -	6 mm diameter
Wheel -	200 mm circumference 64 mm diameter

Connections:

White	10-30V DC
Brown	OC Output
Black	0V DC
Red	Not used
Orange	Not used

Cable length - 3 metre screened with 7 pin plug

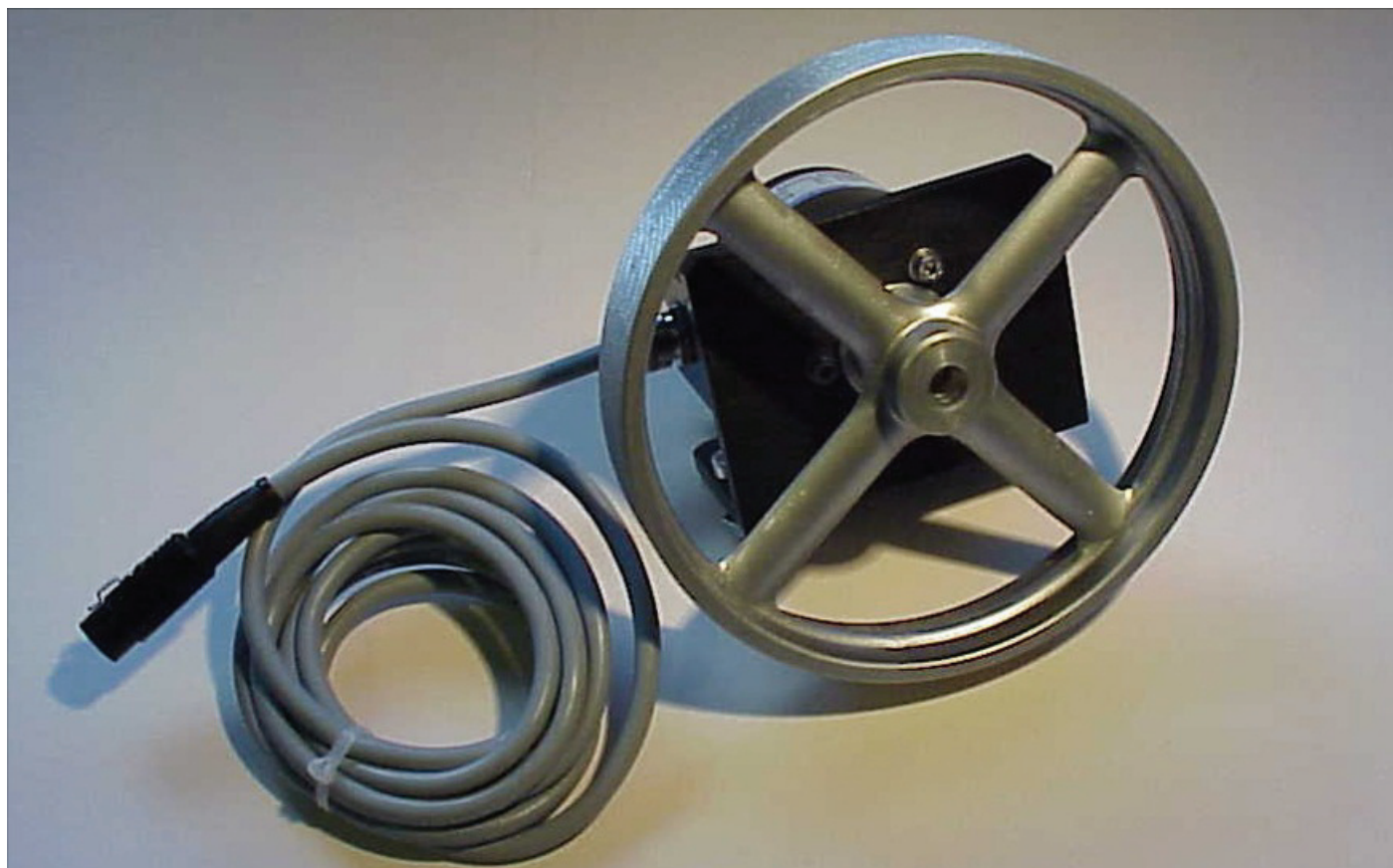
Features:

Suitable for enclosed applications on multi-point gluers and smaller automatic machines.

Bracket supplied ready for mounting on sliding track for ease of adjustment.

Plug fitted for easy connection to MAC 100, 200 and MSC System controllers.

Screened extension cable available if required.



Specification: Part No: 750-000

Voltage -	10 - 30 V DC
Output -	Open Collector
Resolution -	500 pulses per revolution
Shaft size -	10 mm diameter
Wheel -	500 mm circumference 160 mm diameter

Connections:

Red	10-30V DC
White	OC Output
Black	0V DC

Cable length - 3 metre screened with 7 pin plug

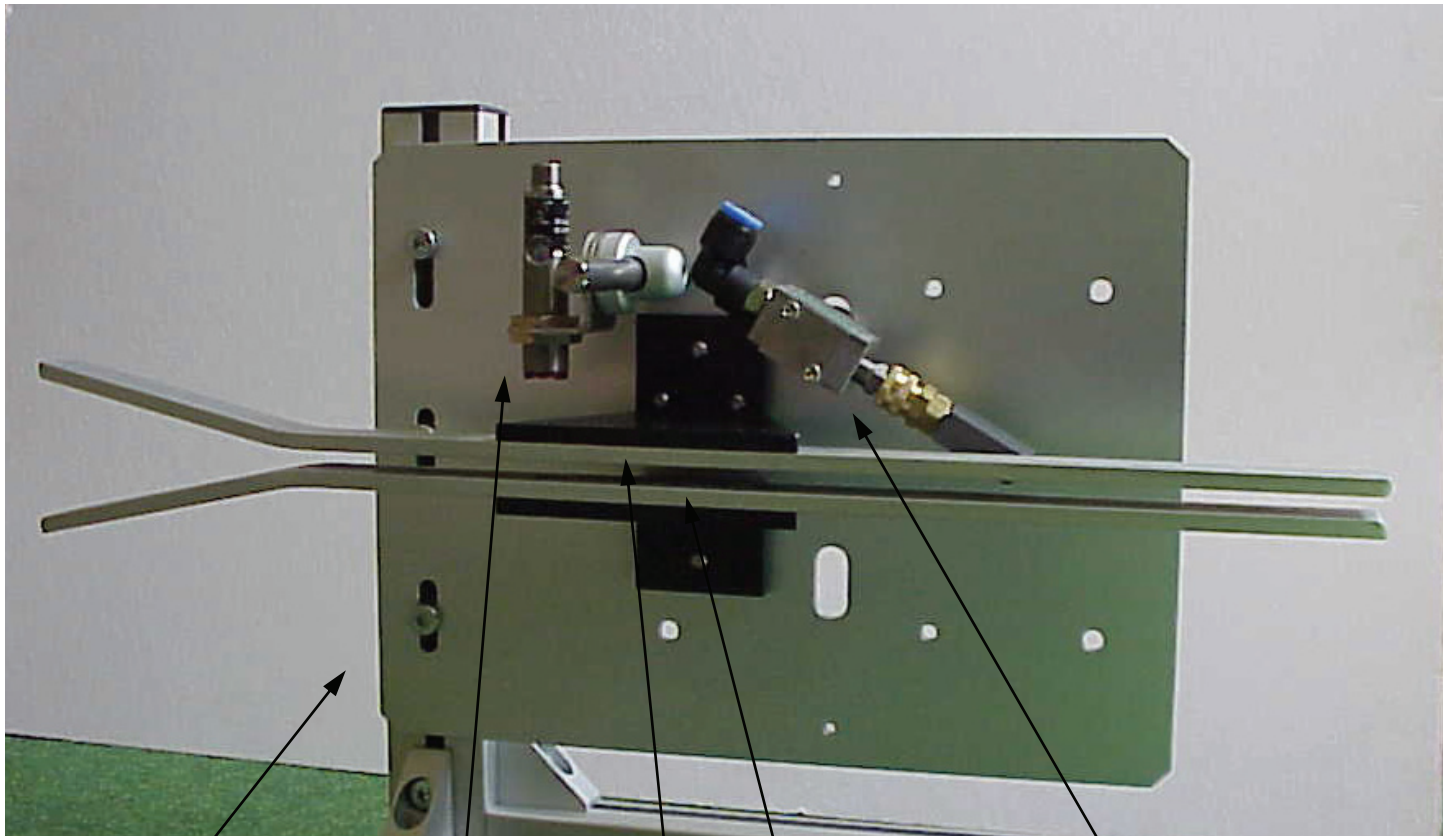
Features:

Suitable for open belt drive applications on case makers and automatic folder gluers.

Bracket supplied ready for mounting on sliding track for ease of adjustment.

Plug fitted for easy connection to MAC 100, 200 and MSC system controllers.

Screened extension cable available if required.



Height adjustable mounting

sensor

adjustable top and bottom board guides

SEV 366 valve

Specification:

Part No:990-085

Dimensions - 320 mm long

240 mm high

6 mm thick

Guides - 500 mm long

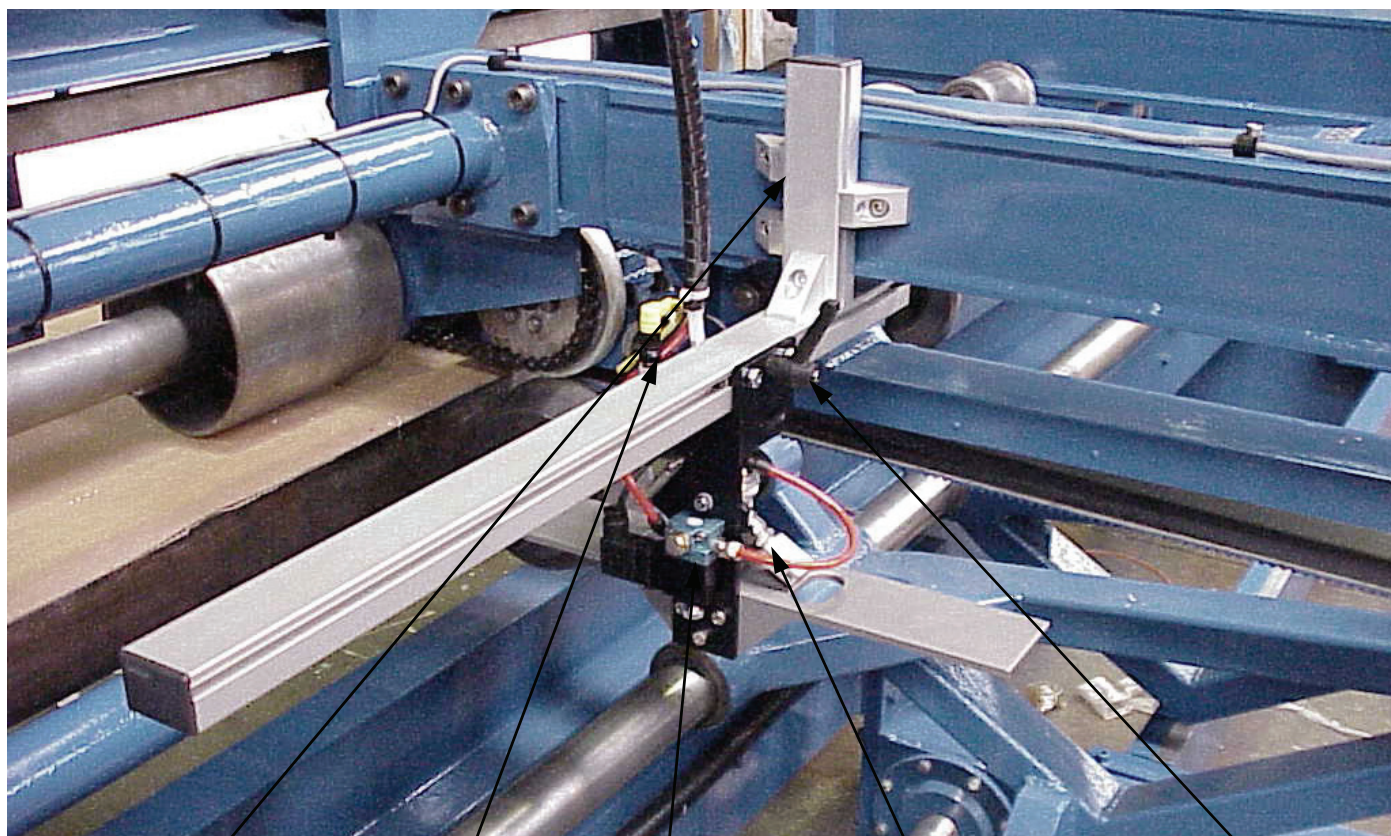
25 mm wide

6 mm thick

Material - anodised aluminium

Features:

- Allows use of one or two SEV 366 Valves
- Can be mounted on Left or Right side
- Can be used for top or bottom application
- Board guides are adjustable
- Plate now has slotted mounting screw holes
- New top or bottom sensor bar mounting
- Guides may be shaped to suit board path



Height adjustable mounting

sensor

mac solenoid valve

SEV 366 valve

manual adjustment

Specification: Part No:990-100 R/H
Part No:990-110 L/H

Dimensions - Upto 1000 mm long

175 mm high

45 mm x 32 mm section

Board Guide - 500 mm long

25 mm wide

6 mm thick

Material - anodised aluminium

Features:

- Allows use of AEV40 or SEV 366 Glue valve with base adaptor plate
- Pivoting glue head mount to allow for warped board
- Beam height adjustable
- Adjustable sensor bar mounting
- Guide may be shaped to suit board path
- Particularly suitable for Emba UVZ/RTZ and similar auto folder gluers