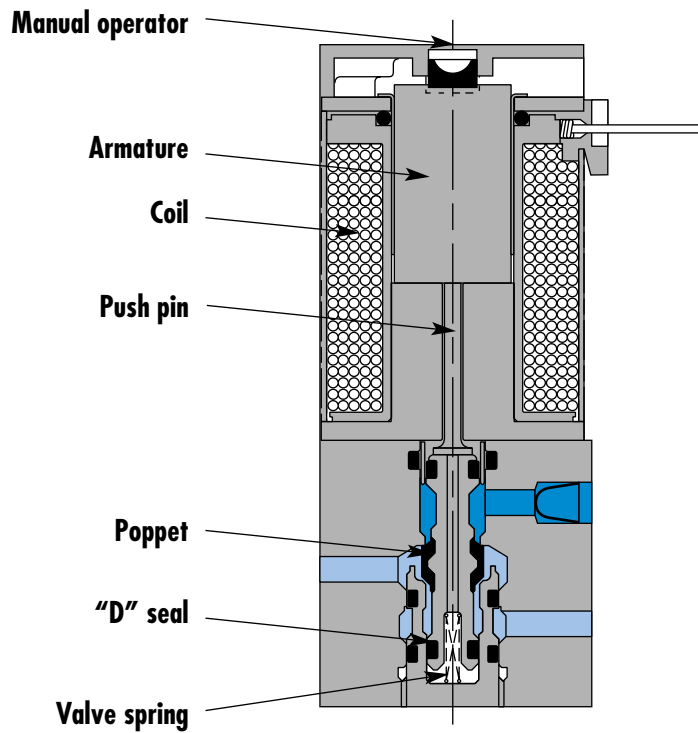


Circuit bar mounting

non plug-in cylinder ports in base	non plug-in cylinder ports in valve	plug-in	plug-in with F. C.	plug-in with Pr. Reg.	plug-in with Pr. Reg. and F. C.	add-on style plug-in	add-on style plug-in with F. C.
add-on style plug-in with Pr. Reg.	add-on style plug-in with Pr. Reg. and F. C.	plug-in add-a-unit stations	plug-in add-a-unit stations with F. C.	plug-in add-a-unit stations with Pr. Reg.	plug-in add-a-unit stations with F. C. and Pr. Reg.	plug-in with pre-wired connector	plug-in with F. C. and pre-wired connector
plug-in with Pr. Reg. and pre-wired connector	din rail, plug-in with pre-wired connector	din rail, plug-in with F. C. and pre-wired connector					



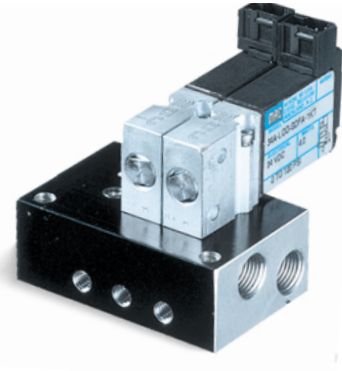
SERIES FEATURES

- High force MACSOLENOID®.
- Universal porting.
- #10-32 or M5 ports.
- Rated for lubricated or non-lubricated service.
- 10mm direct operated.
- Cylinder port in valve or in circuit bar.

Function	Port size	Flow [Max]	Circuit bar mounting
3/2 NO-NC	M5 - #10-32	0.11C_v	non plug-in cylinder ports in base

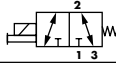
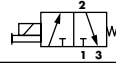
OPERATIONAL BENEFITS

1. 10 mm valve, direct solenoid operated.
2. Balanced poppet, immune to variations of pressure.
3. Short stroke with high flow.
4. The patented solenoid develops high shifting forces.
5. Powerful return spring.
6. Flow is specifically adjusted on each valve.
7. Manual operator standard on all valves.



HOW TO ORDER

HOW TO ORDER VALVE FOR CIRCUIT BAR MOUNTING

Port size (see base)	Universal valve	NC only valve
		
Pressure range : 0 to 120 PSI	34B-100-Gxxx-xxx	34B-NOO-Gxxx-xxx

SOLENOID OPERATOR >

G **XX X- X XX***

XX Voltage	X Wire length	X Manual operator	XX Electrical connection
DC 24VDC (1.8 W)	A 18"	1 Non-locking	KA Mini connector
DD 24VDC (2.5 W)	c 36"		KT Mini connector with light
DF 24VDC (4.0 W)			BA Flying leads
			BT Flying leads with light

HOW TO ORDER CIRCUIT BAR

Port size	Side cylinder ports	Bottom cylinder ports
M5	EBP34B-001D-xx	EBP34B-002D-xx
# 10-32	EBP34B-001B-xx	EBP34B-002B-xx

Number of stations (03=3 stations)

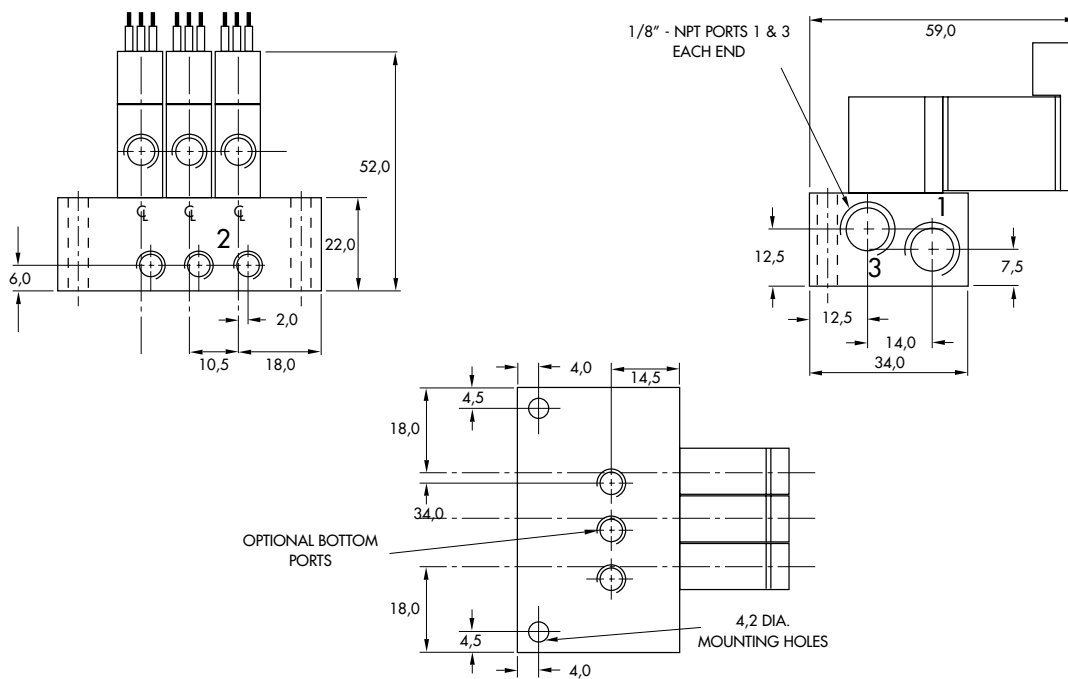
Note : clic for valves mounted on base at the factory, add - 9 to the model number.

**TECHNICAL
D A T A**

Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Vacuum to 120 PSI
Lubrication :	Not required, if used select a medium aniline point lubricant (between 180°F and 210°F)
Filtration :	40 µ
Temperature range :	0°F to 120°F (-18°C to 50°C)
Orifice :	1.8 mm
Flow (at 6 bar, ΔP=1bar) :	4 W : 0.11C _v , 2.5 W : 0.084C _v , 1.8 W : 0.061C _v
Leak rate :	50 cm ³ /min
Coil :	General purpose class A, continuous duty, encapsulated
Voltage range :	-15% to +10% of nominal voltage
Power :	4 W - 2.5 W - 1.8 W
Response times :	Energize : 3.4 ms
(with 4 W coil)	De-energize : 1.5 ms

- Note : • Valve and coil are not interchangeable.
- Spare parts : • Seal between valve and bar : 16595. • Mounting screw (x2) : 35031. • Blanking plate : M-34005.
- Options : • Isolation of inlet and/or exhaust. Special bar. Consult factory.

D I M E N S I O N S



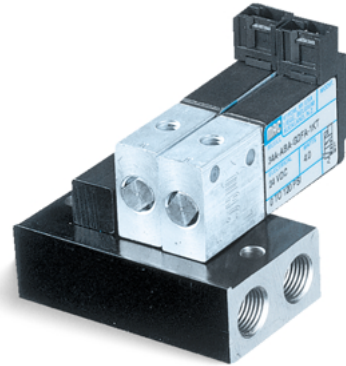


Direct solenoid and solenoid pilot operated valves

Function	Port size (Inlet & Exhaust)	Flow (Max)	Circuit bar mounting
3/2 NO-NC	# 10-32 - 1/8"	0.11C_v	non plug-in cylinder ports in valve

OPERATIONAL BENEFITS

1. 10 mm valve, direct solenoid operated.
2. Balanced poppet, immune to variations of pressure.
3. Short stroke with high flow.
4. The patented solenoid develops high shifting forces.
5. Powerful return spring.
6. Flow is specifically adjusted on each valve.
7. Manual operator standard on all valves.



HOW TO ORDER

HOW TO ORDER VALVE FOR CIRCUIT BAR MOUNTING

Valve port size	Universal valve	NC only valve
M5	34B-ABA-Gxxx-xxx	34B-ABB-Gxxx-xxx
# 10-32	34B-AAA-Gxxx-xxx	34B-AAB-Gxxx-xxx

SOLENOID OPERATOR >

G **XX X- X XX**

XX Voltage	X Wire length	X Manual operator	XX Electrical connection
DC 24VDC (1.8 W)	A 18"	1 Non-locking	KA Mini connector
DD 24VDC (2.5 W)	C 36"		KT Mini connector with light
DF 24VDC (4.0 W)			BA Flying leads
			BT Flying leads with light

HOW TO ORDER CIRCUIT BAR

Port size COMMON INLET & EXHAUST	
# 10-32	EBM34A-001B-xx
1/8" NPTF	EBM34A-002A-xx

Number of stations (03=3 stations)

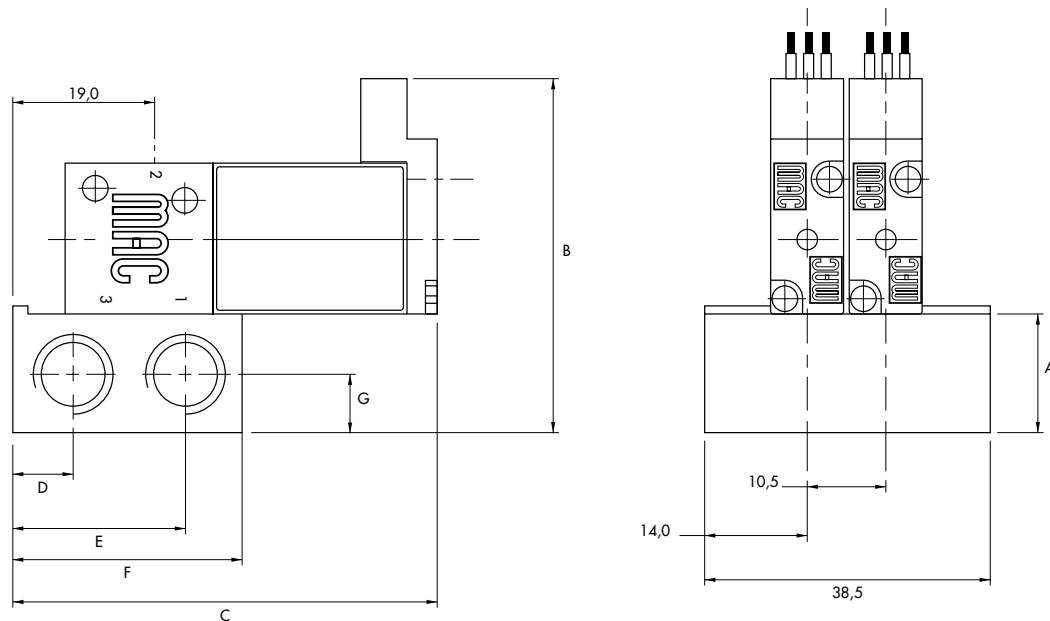
Note : clic for valves mounted on base at the factory, add - 9 to the model number.

**TECHNICAL
DATA**

Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Vacuum to 120 PSI
Lubrication :	Not required, if used select a medium aniline point lubricant (between 180°F and 210°F)
Filtration :	40 µ
Temperature range :	0°F to 120°F (-18°C to +50°C)
Orifice :	1.8 mm
Flow (at 6 bar, ΔP=1bar) :	4 W : 0.11C _v , 2.5 W : 0.084C _v , 1.8 W : 0.061C _v
Leak rate :	50 cm ³ /min
Coil :	General purpose class A, continuous duty, encapsulated
Voltage range :	-15% to +10% of nominal voltage
Power :	4 W - 2.5 W - 1.8 W
Response times :	Energize : 3.4 ms
(with 4 W coil)	De-energize : 1.5 ms

- Note : • Valve and coil are not interchangeable.
- Spare parts : • Valve fastening kit : M34001-01 (1/8" Bar); M34001-21 (#10-32 Bar) • Blanking plate : 30456-A.
- Options : • Isolation of inlet and/or exhaust. Special bar. Consult factory.

DIMENSIONS

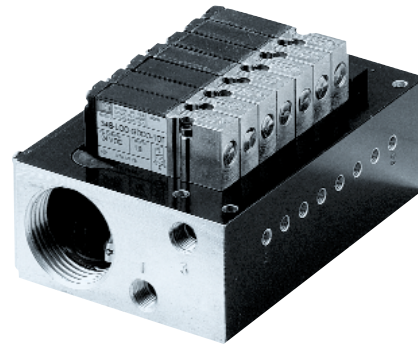


Port size	A	B	C	D	E	F	G
1/8"	16.0	47.5	57.4	8.0	23.0	31.0	8.0
M5	12.0	43.5	51.5	9.0	18.0	26.0	6.0

Function	Port size	Flow [Max]	Circuit bar mounting
3/2 NO-NC	M5 - #10-32	0.10C_v	plug-in

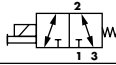
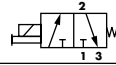
OPERATIONAL BENEFITS

1. 10 mm valve, direct solenoid operated.
2. Balanced poppet, immune to variations of pressure.
3. Short stroke with high flow.
4. The patented solenoid develops high shifting forces.
5. Powerful return spring.
6. Flow is specifically adjusted on each valve.
7. Manual operator standard on all valves.



HOW TO ORDER

HOW TO ORDER VALVE FOR CIRCUIT BAR MOUNTING

Port size (see base)	Universal valve	NC only valve
		
Valve less base	34B-100-GxxO-xxx	34B-100-GxxO-xxx

SOLENOID OPERATOR >

G **XX** O- **X** **XX** *

XX Voltage	X Manual operator	XX Electrical connection
DC 24VDC (1.8 W)	1 Non-locking	DJ Plug-in
DD 24VDC (2.5 W)		DT Plug-in with light
DF 24VDC (4.0 W)		DE Plug-in with suppression diode
		DV Plug-in with light and suppression diode

HOW TO ORDER CIRCUIT BAR

Port size	Side cylinder ports (10.5 mm)	Bottom cylinder ports (10.5 mm)
M5	ECD034B-001AD-AOxx	ECD034B-002AD-AOxx
# 10-32	ECD034B-001AB-AOxx	ECD034B-002AB-AOxx

Number of stations (03=3 stations)

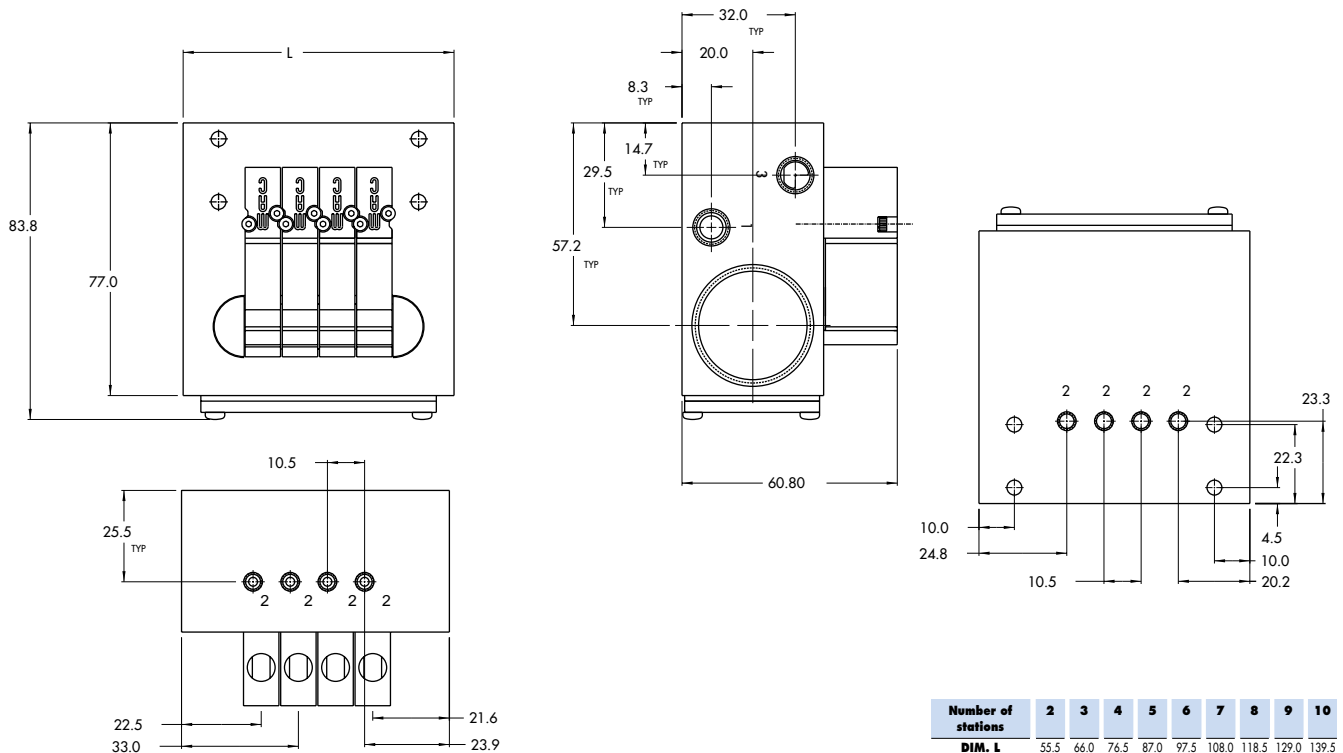
Note : clic for valves mounted on base at the factory, add - 9 to the model number.
clic for multi-pin connector option (9, 15 or 25).

**TECHNICAL
DATA**

Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Vacuum to 120 PSI
Lubrication :	Not required, if used select a medium aniline point lubricant (between 180°F and 210°F)
Filtration :	40 µ
Temperature range :	0°F to 120°F (-18°C to +50°C)
Orifice :	1.8 mm
Flow (at 6 bar, ΔP=1bar) :	4 W : 0.10C _v , 2.5 W : 0.09C _v , 1.8 W : 0.07C _v
Leak rate :	50 cm ³ /min
Coil :	General purpose class A, continuous duty, encapsulated
Voltage range :	-15% to +10% of nominal voltage
Power :	4 W - 2.5 W - 1.8 W
Response times :	Energize : 4 ms
(with 4 W coil)	De-energize : 1.5 ms

- Note : • Valve and coil are not interchangeable.
- Spare parts : • Seal between valve and bar : 16595. • Mounting screw (x2) : 35031. • Blanking plate : M-34005.
• Base wire Plug-in protector : 24180.
- Options : • Isolation of inlet and/or exhaust. • BSPP Threads.

DIMENSIONS



Function	Port size	Flow [Max]	Circuit bar mounting
3/2 NO-NC	M5 - #10-32	0.10C_v	plug-in with F. C.

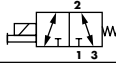
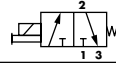
OPERATIONAL BENEFITS

1. 10 mm valve, direct solenoid operated.
2. Balanced poppet, immune to variations of pressure.
3. Short stroke with high flow.
4. The patented solenoid develops high shifting forces.
5. Powerful return spring.
6. Flow is specifically adjusted on each valve.
7. Manual operator standard on all valves.



HOW TO ORDER

HOW TO ORDER VALVE FOR CIRCUIT BAR MOUNTING

Port size (see base)	Universal valve	NC only valve
		
Valve less base	34B-100-GxxO-xxx	34B-N00-GxxO-xxx

SOLENOID OPERATOR >

G **XX** O- **X XX***

XX Voltage	X Manual operator	XX Electrical connection
DC 24VDC (1.8 W)	1 Non-locking	DJ Plug-in
DD 24VDC (2.5 W)		DT Plug-in with light
DF 24VDC (4.0 W)		DE Plug-in with suppression diode
		DV Plug-in with light and suppression diode

HOW TO ORDER CIRCUIT BAR WITH FLOW CONTROLS

Port size	Side cylinder ports (10.5 mm)	Bottom cylinder ports (10.5 mm)
M5	ECD034B-005AD-AOxx	ECD034B-006AD-AOxx
# 10-32	ECD034B-005AB-AOxx	ECD034B-006AB-AOxx

Number of stations (03=3 stations)

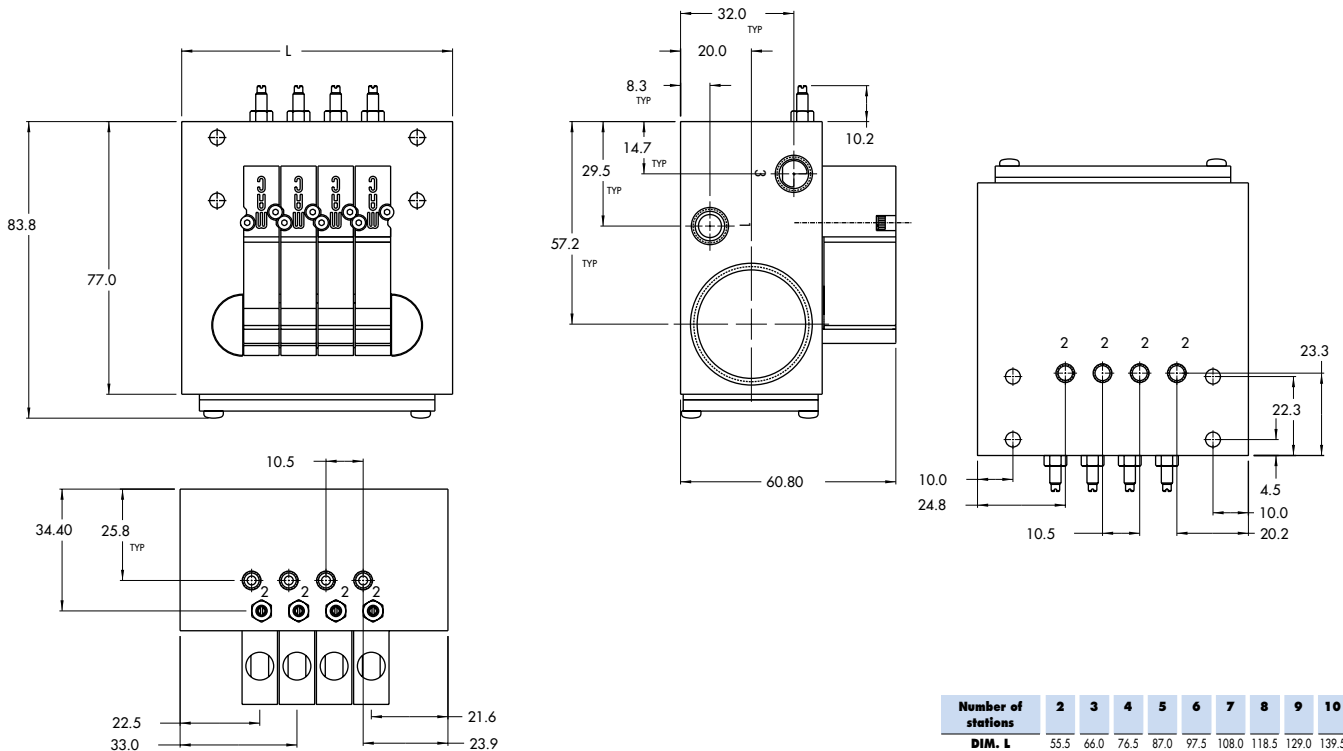
Note : clic for valves mounted on base at the factory, add - 9 to the model number.
clic for multi-pin connector option (9, 15 or 25).

**TECHNICAL
DATA**

Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Vacuum to 120 PSI
Lubrication :	Not required, if used select a medium aniline point lubricant (between 180°F and 210°F)
Filtration :	40 µ
Temperature range :	0°F to 120°F (-18°C to +50°C)
Orifice :	1.8 mm
Flow (at 6 bar, ΔP=1bar) :	4 W : 0.10C _v , 2.5 W : 0.09C _v , 1.8 W : 0.07C _v
Leak rate :	50 cm ³ /min
Coil :	General purpose class A, continuous duty, encapsulated
Voltage range :	-15% to +10% of nominal voltage
Power :	4 W - 2.5 W - 1.8 W
Response times :	Energize : 4 ms
(with 4 W coil)	De-energize : 1.5 ms

- Note : • Valve and coil are not interchangeable.
- Spare parts : • Seal between valve and bar : 16595. • Mounting screw (x2) : 35031. • Blanking plate : M-34005.
• Base wire Plug-in protector : 24180.
- Options : • Isolation of inlet and/or exhaust. • BSPP Threads.

DIMENSIONS



Function	Port size	Flow [Max]	Circuit bar mounting
3/2 NO-NC	M5 - #10-32	0.10C_v	plug-in with Pr. Reg.

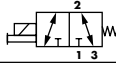
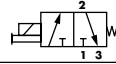
OPERATIONAL BENEFITS

1. 10 mm valve, direct solenoid operated.
2. Balanced poppet, immune to variations of pressure.
3. Short stroke with high flow.
4. The patented solenoid develops high shifting forces.
5. Powerful return spring.
6. Flow is specifically adjusted on each valve.
7. Manual operator standard on all valves.



HOW TO ORDER

HOW TO ORDER VALVE FOR CIRCUIT BAR MOUNTING

Port size (see base)	Universal valve	NC only valve
		
Valve less base	34B-100-GxxO-xxx	34B-NOO-GxxO-xxx

SOLENOID OPERATOR >

G **XX** O- **X** **XX** *

XX Voltage	X Manual operator	XX Electrical connection
DC 24VDC (1.8 W)	1 Non-locking	DJ Plug-in
DD 24VDC (2.5 W)		DT Plug-in with light
DF 24VDC (4.0 W)		DE Plug-in with suppression diode
		DV Plug-in with light and suppression diode

HOW TO ORDER CIRCUIT BAR FOR PRESSURE REGULATORS ** (to be ordered separately)

Port size	Bottom cylinder ports (10.5 mm)	Side cylinder ports (10.5 mm)
M5	ECD034B-004AD-AOxx	ECD034B-003AD-AOxx
# 10-32	ECD034B-004AB-AOxx	ECD034B-003AB-AOxx

Number of stations (03=3 stations)

Note : clic for valves mounted on base at the factory, add - 9 to the model number.
clic for multi-pin connector option (9, 15 or 25).

** Pressure Regulators :

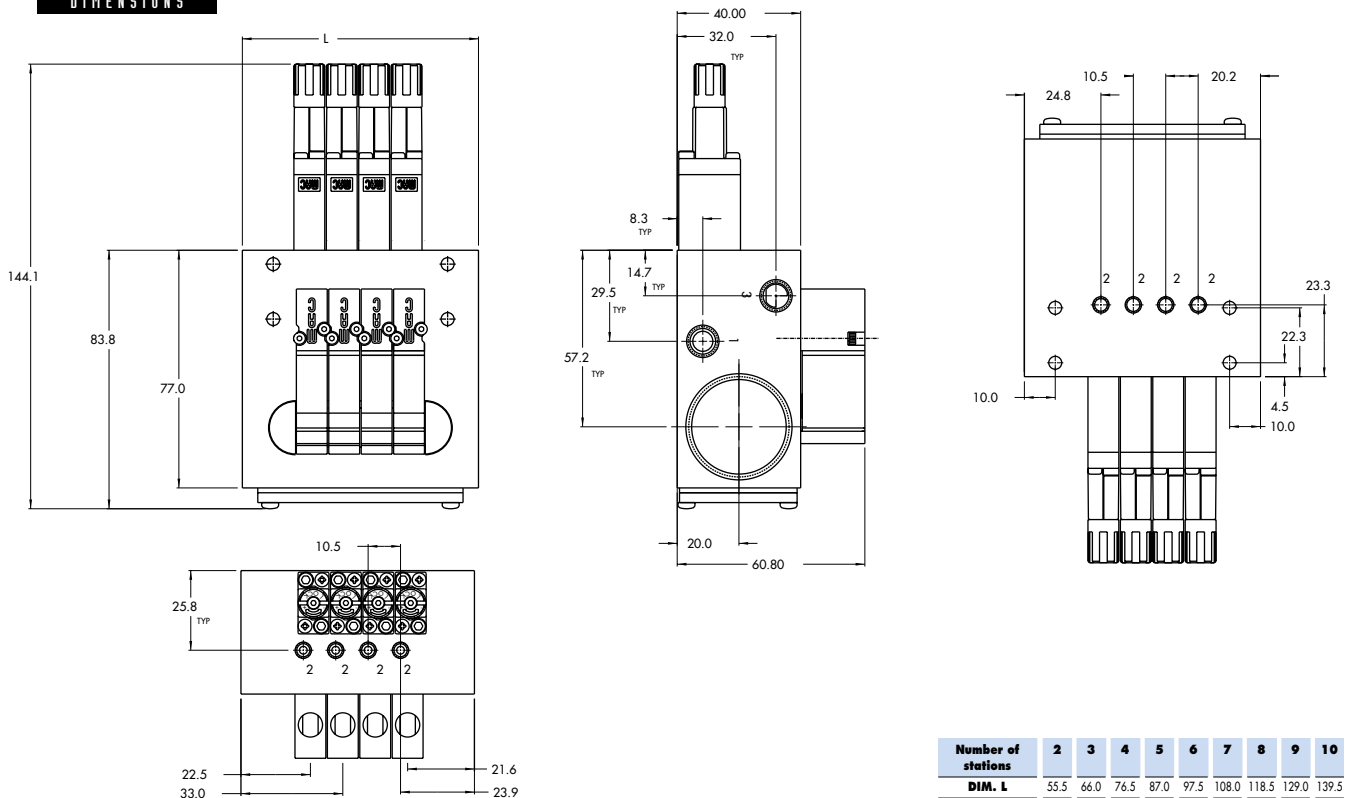
- Y=A (no gage port)
- Y=B (with gage port)
- X=A (0 to 100 PSI)
- X=B (0 to 60 PSI)
- X=C (0 to 40 PSI)
- X=D (0 to 15 PSI)

**TECHNICAL
DATA**

Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Vacuum to 120 PSI
Lubrication :	Not required, if used select a medium aniline point lubricant (between 180°F and 210°F)
Filtration :	40 µ
Temperature range :	0°F to 120°F (-18°C to +50°C)
Orifice :	1.8 mm
Flow (at 6 bar, ΔP=1bar) :	4 W : 0.10C _v , 2.5 W : 0.09C _v , 1.8 W : 0.07C _v
Leak rate :	50 cm ³ /min
Coil :	General purpose class A, continuous duty, encapsulated
Voltage range :	-15% to +10% of nominal voltage
Power :	4 W - 2.5 W - 1.8 W
Response times :	Energize : 4 ms
(with 4 W coil)	De-energize : 1.5 ms

- Note : • Valve and coil are not interchangeable.
- Spare parts : • Seal between valve and bar : 16595. • Mounting screw (x2) : 35031. • Blanking plate : M-34005.
• Blanking plate for regulator : N-44003. • Base wire Plug-in protector : 24180.
- Options : • Isolation of inlet and/or exhaust. • BSPP Threads.

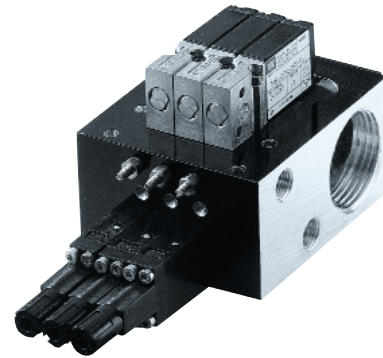
DIMENSIONS



Function	Port size	Flow [Max]	Circuit bar mounting
3/2 NO-NC	M5 - #10-32	0.09C_v	plug-in with Pr. Reg. and F. C.

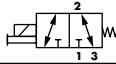
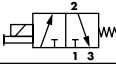
OPERATIONAL BENEFITS

1. 10 mm valve, direct solenoid operated.
2. Balanced poppet, immune to variations of pressure.
3. Short stroke with high flow.
4. The patented solenoid develops high shifting forces.
5. Powerful return spring.
6. Flow is specifically adjusted on each valve.
7. Manual operator standard on all valves.



HOW TO ORDER

HOW TO ORDER VALVE FOR CIRCUIT BAR MOUNTING

Port size (see base)	Universal valve	NC only valve
		
Valve less base	34B-100-GxxO-xxx	34B-100-GxxO-xxx

SOLENOID OPERATOR >

G **XX** O - **X** **XX** *

XX Voltage	X Manual operator	XX Electrical connection
DC 24VDC (1.8 W)	1 Non-locking	DJ Plug-in
DD 24VDC (2.5 W)		DT Plug-in with light
DF 24VDC (4.0 W)		DE Plug-in with suppression diode
		DV Plug-in with light and suppression diode

HOW TO ORDER CIRCUIT BAR WITH FLOW CONTROLS AND PRESSURE REGULATORS ** (pressure regulators to be ordered separately)

Port size	Bottom cylinder ports (10.5 mm)	Side cylinder ports (10.5 mm)
M5	ECD034B-007AD-AOxx	ECD034B-008AD-AOxx
# 10-32	ECD034B-007AB-AOxx	ECD034B-008AB-AOxx

Number of stations (03=3 stations)

Note : clic for valves mounted on base at the factory, add - 9 to the model number.
clic for multi-pin connector option (9, 15 or 25).

** Pressure Regulators :

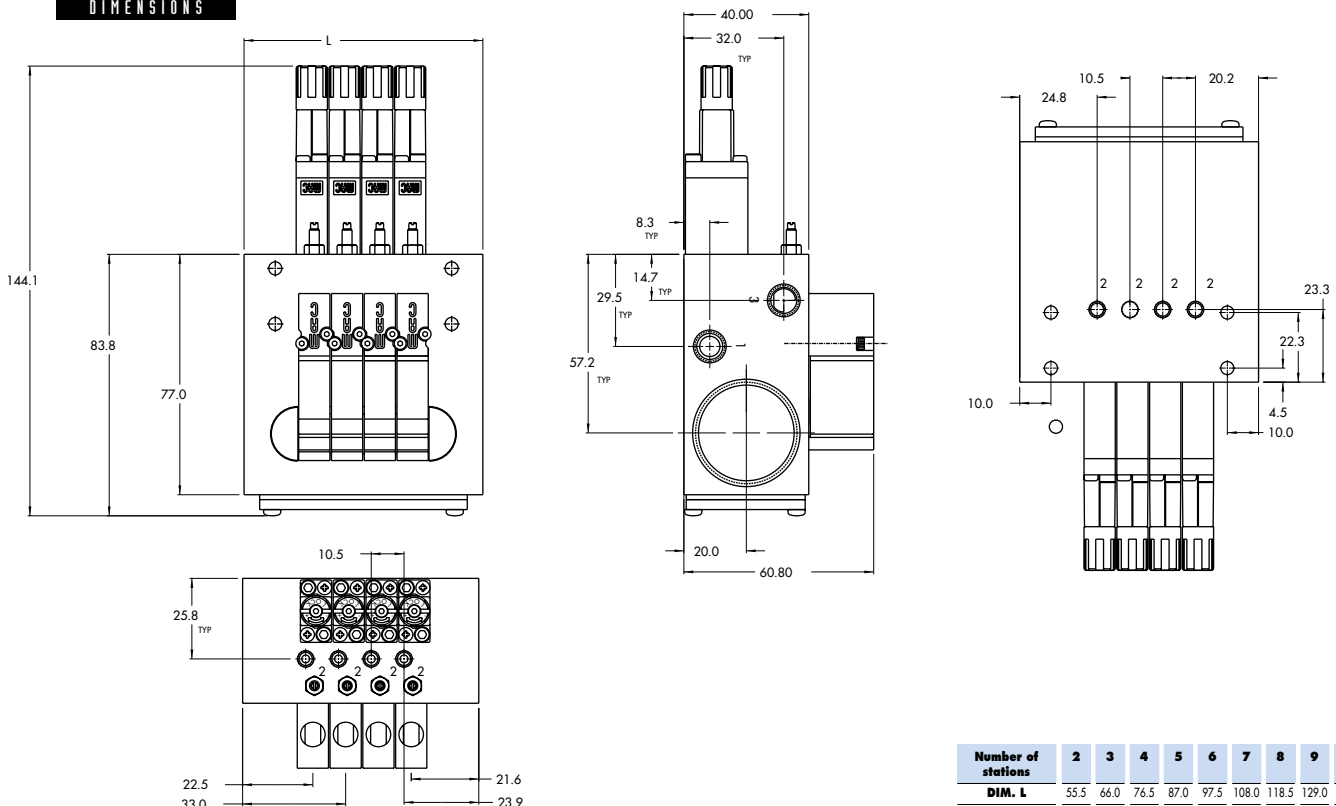
- Y=A (no gage port)
- Y=B (with gage port)
- X=A (0 to 100 PSI)
- X=B (0 to 60 PSI)
- X=C (0 to 40 PSI)
- X=D (0 to 15 PSI)

**TECHNICAL
DATA**

Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Vacuum to 120 PSI
Lubrication :	Not required, if used select a medium aniline point lubricant (between 180°F and 210°F)
Filtration :	40 µ
Temperature range :	0°F to 120°F (-18°C to +50°C)
Orifice :	1.8 mm
Flow (at 6 bar, ΔP=1bar) :	4 W : 0.10C _v , 2.5 W : 0.09C _v , 1.8 W : 0.07C _v
Leak rate :	50 cm ³ /min
Coil :	General purpose class A, continuous duty, encapsulated
Voltage range :	-15% to +10% of nominal voltage
Power :	4 W - 2.5 W - 1.8 W
Response times :	Energize : 4 ms
(with 4 W coil)	De-energize : 1.5 ms

- Note : • Valve and coil are not interchangeable.
- Spare parts : • Seal between valve and bar : 16595. • Mounting screw (x2) : 35031. • Blanking plate : M-34005.
• Base wire Plug-in protector : 24180. • Blanking plate for regulator : N-44003.
- Options : • Isolation of inlet and/or exhaust. • BSPP Threads.

DIMENSIONS



Number of stations	2	3	4	5	6	7	8	9	10
DIM. L	55.5	66.0	76.5	87.0	97.5	108.0	118.5	129.0	139.5

Function	Port size	Flow [Max]	Circuit bar mounting
3/2 NO-NC	M5 - #10-32	0.10C_v	add-on style plug-in

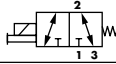
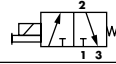
OPERATIONAL BENEFITS

1. 10 mm valve, direct solenoid operated.
2. Balanced poppet, immune to variations of pressure.
3. Short stroke with high flow.
4. The patented solenoid develops high shifting forces.
5. Powerful return spring.
6. Flow is specifically adjusted on each valve.
7. Manual operator standard on all valves.

Reset

HOW TO ORDER

HOW TO ORDER VALVE FOR CIRCUIT BAR MOUNTING

Port size (see base)	Universal valve	NC only valve
		
Valve less base	34B-100-GxxO-xxx	34B-NOO-GxxO-xxx

SOLENOID OPERATOR >

G **XX** O- **X XX***

XX Voltage	X Manual operator	XX Electrical connection
DC 24VDC (1.8 W)	1 Non-locking	DJ Plug-in
DD 24VDC (2.5 W)		DT Plug-in with light
DF 24VDC (4.0 W)		DE Plug-in with suppression diode
		DV Plug-in with light and suppression diode

HOW TO ORDER CIRCUIT BAR

Port size	Side cylinder ports (10.5 mm)	Bottom cylinder ports (10.5 mm)
M5	ECD034B-001BD-AOxx	ECD034B-002BD-AOxx
# 10-32	ECD034B-001BB-AOxx	ECD034B-002BB-AOxx

Number of stations (03=3 stations)

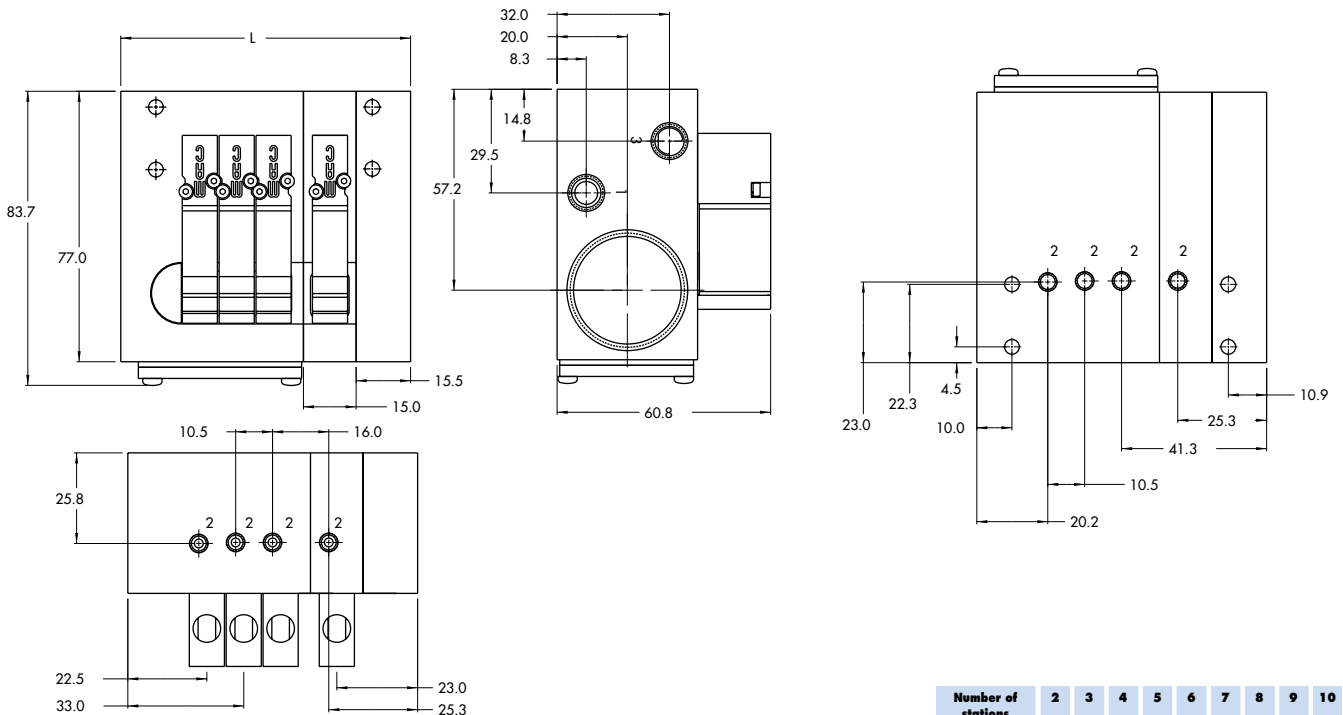
Note : clic for valves mounted on base at the factory, add - 9 to the model number.
 clic for multi-pin connector option (9, 15 or 25).
 add-a-unit stations may be added to above bars. Clic here for model numbers.

**TECHNICAL
DATA**

Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Vacuum to 120 PSI
Lubrication :	Not required, if used select a medium aniline point lubricant (between 180°F and 210°F)
Filtration :	40 µ
Temperature range :	0°F to 120°F (-18°C to +50°C)
Orifice :	1.8 mm
Flow (at 6 bar, ΔP=1bar) :	4 W : 0.10C _v , 2.5 W : 0.09C _v , 1.8 W : 0.07C _v
Leak rate :	50 cm ³ /min
Coil :	General purpose class A, continuous duty, encapsulated
Voltage range :	-15% to +10% of nominal voltage
Power :	4 W - 2.5 W - 1.8 W
Response times :	Energize : 4 ms
(with 4 W coil)	De-energize : 1.5 ms

- Note : • Valve and coil are not interchangeable.
- Spare parts : • Seal between valve and bar : 16595. • Mounting screw (x2) : 35031. • Blanking plate : M-34005.
• Base wire Plug-in protector : 24180.
- Options : • Isolation of inlet and/or exhaust. • BSPP Threads.

DIMENSIONS



Function	Port size	Flow [Max]	Circuit bar mounting
3/2 NO-NC	M5 - #10-32	0.10C_v	add-on style plug-in with F. C.

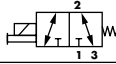
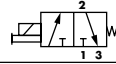
OPERATIONAL BENEFITS

1. 10 mm valve, direct solenoid operated.
2. Balanced poppet, immune to variations of pressure.
3. Short stroke with high flow.
4. The patented solenoid develops high shifting forces.
5. Powerful return spring.
6. Flow is specifically adjusted on each valve.
7. Manual operator standard on all valves.



HOW TO ORDER

HOW TO ORDER VALVE FOR CIRCUIT BAR MOUNTING

Port size (see base)	Universal valve	NC only valve
		
Valve less base	34B-100-GxxO-xxx	34B-N00-GxxO-xxx

SOLENOID OPERATOR >

G XX O- X XX *

XX Voltage	X Manual operator	XX Electrical connection
DC 24VDC (1.8 W)	1 Non-locking	DJ Plug-in
DD 24VDC (2.5 W)		DT Plug-in with light
DF 24VDC (4.0 W)		DE Plug-in with suppression diode
		DV Plug-in with light and suppression diode

HOW TO ORDER CIRCUIT BAR WITH FLOW CONTROLS

Port size	Side cylinder ports (10.5 mm)	Bottom cylinder ports (10.5 mm)
M5	ECD034B-005BD-AOxx	ECD034B-006BD-AOxx
# 10-32	ECD034B-005BB-AOxx	ECD034B-006BB-AOxx

Number of stations (03=3 stations)

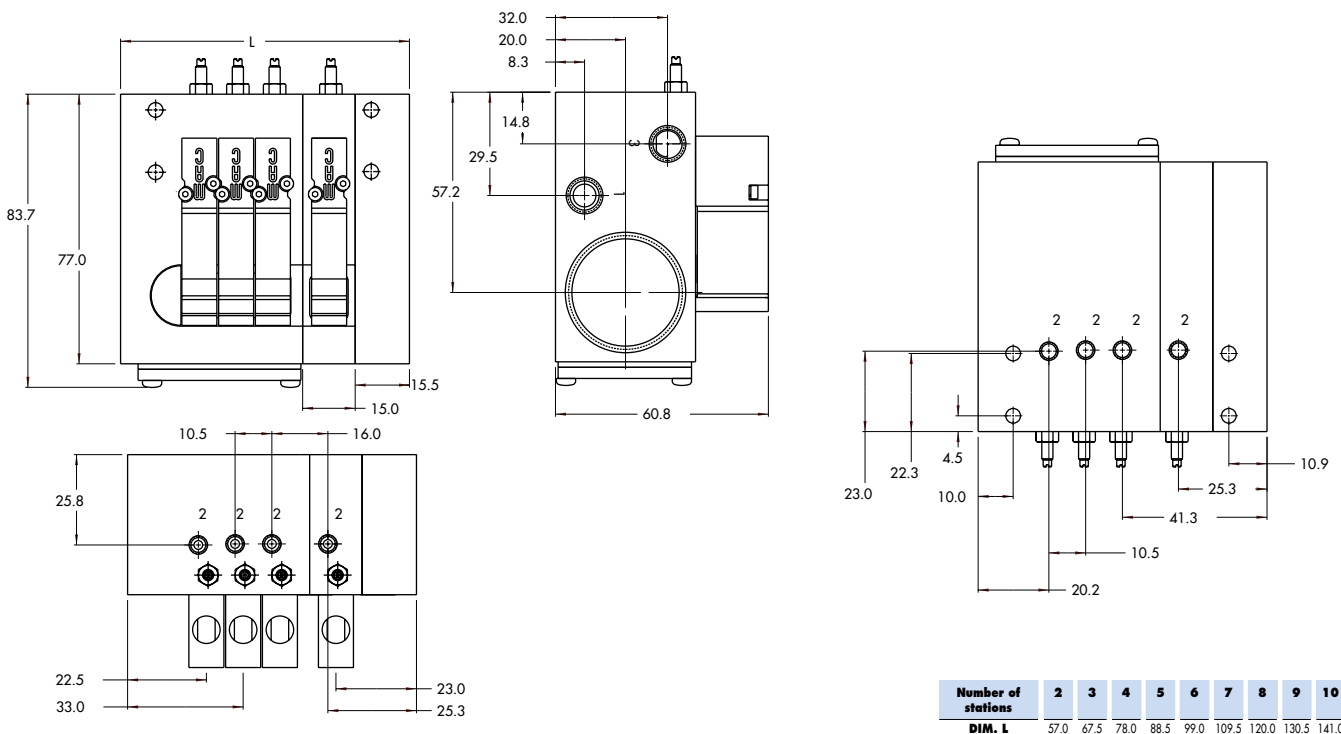
Note : clic for valves mounted on base at the factory, add - 9 to the model number.
 clic for multi-pin connector option (9, 15 or 25).
 add-a-unit stations may be added to above bars. Clic here for model numbers.

**TECHNICAL
D A T A**

Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Vacuum to 120 PSI
Lubrication :	Not required, if used select a medium aniline point lubricant (between 180°F and 210°F)
Filtration :	40 µ
Temperature range :	0°F to 120°F (-18°C to +50°C)
Orifice :	1.8 mm
Flow (at 6 bar, ΔP=1bar) :	4 W : 0.10C _v , 2.5 W : 0.09C _v , 1.8 W : 0.07C _v
Leak rate :	50 cm ³ /min
Coil :	General purpose class A, continuous duty, encapsulated
Voltage range :	-15% to +10% of nominal voltage
Power :	4 W - 2.5 W - 1.8 W
Response times :	Energize : 4 ms
(with 4 W coil)	De-energize : 1.5 ms

- Note : • Valve and coil are not interchangeable.
- Spare parts : • Seal between valve and bar : 16595. • Mounting screw (x2) : 35031. • Blanking plate : M-34005.
• Base wire Plug-in protector : 24180.
- Options : • Isolation of inlet and/or exhaust. • BSPP Threads.

DIMENSIONS



Function	Port size	Flow [Max]	Circuit bar mounting
3/2 NO-NC	M5 - #10-32	0.10C_v	add-on style plug-in with Pr. Reg.

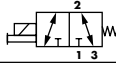
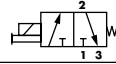
OPERATIONAL BENEFITS

1. 10 mm valve, direct solenoid operated.
2. Balanced poppet, immune to variations of pressure.
3. Short stroke with high flow.
4. The patented solenoid develops high shifting forces.
5. Powerful return spring.
6. Flow is specifically adjusted on each valve.
7. Manual operator standard on all valves.



HOW TO ORDER

HOW TO ORDER VALVE FOR CIRCUIT BAR MOUNTING

Port size (see base)	Universal valve	NC only valve
		
Valve less base	34B-100-GxxO-xxx	34B-NOO-GxxO-xxx

SOLENOID OPERATOR >

G **XX** O - **X** **XX** *

XX Voltage	X Manual operator	XX Electrical connection
DC 24VDC (1.8 W)	1 Non-locking	DJ Plug-in
DD 24VDC (2.5 W)		DT Plug-in with light
DF 24VDC (4.0 W)		DE Plug-in with suppression diode
		DV Plug-in with light and suppression diode

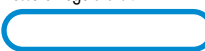
HOW TO ORDER CIRCUIT BAR FOR PRESSURE REGULATORS ** (to be ordered separately)

Port size	Bottom cylinder ports (10.5 mm)	Side cylinder ports (10.5 mm)
M5	ECD034B-004BD-AOxx	ECD034B-003BD-AOxx
# 10-32	ECD034B-004BB-AOxx	ECD034B-003BB-AOxx

Number of stations (03=3 stations)

Note : clic for valves mounted on base at the factory, add - 9 to the model number.
 clic for multi-pin connector option (9, 15 or 25).
 add-a-unit stations may be added to above bars. Clic here for model numbers.

** Pressure Regulators :



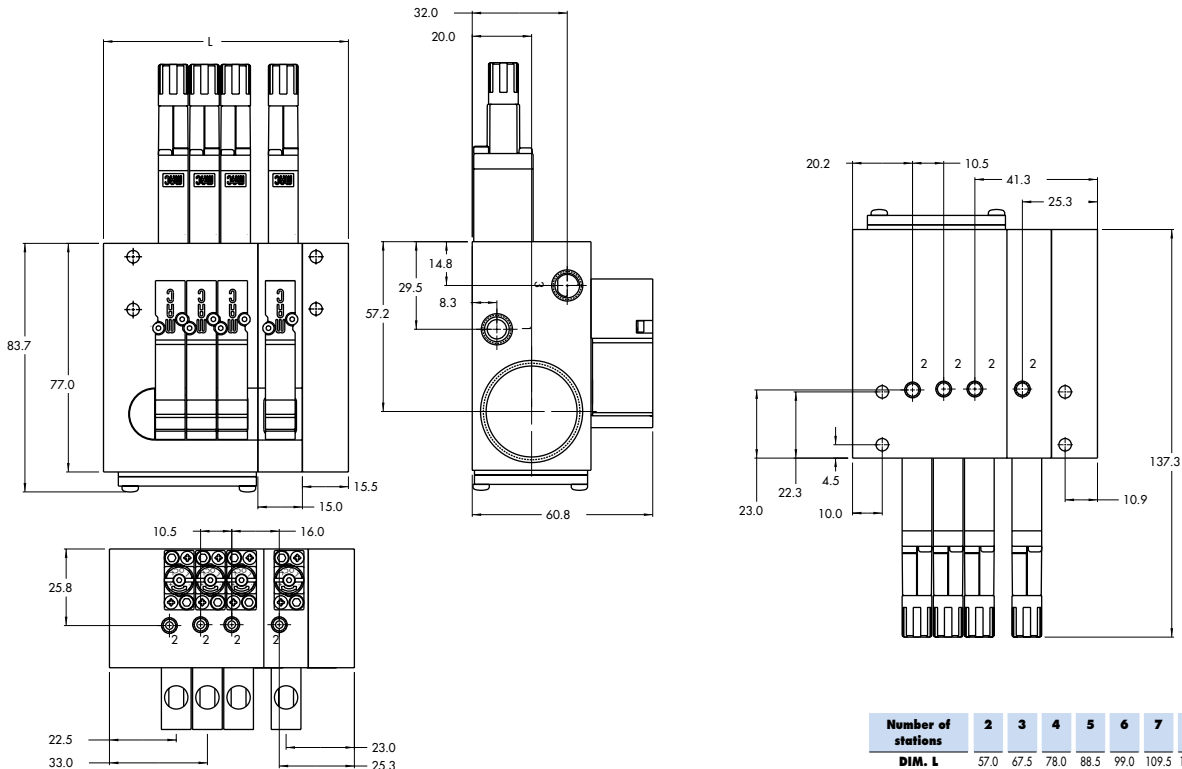
- Y=A (no gage port)
- Y=B (with gage port)
- X=A (0 to 100 PSI)
- X=B (0 to 60 PSI)
- X=C (0 to 40 PSI)
- X=D (0 to 15 PSI)

**TECHNICAL
DATA**

Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Vacuum to 120 PSI
Lubrication :	Not required, if used select a medium aniline point lubricant (between 180°F and 210°F)
Filtration :	40 µ
Temperature range :	0°F to 120°F (-18°C to +50°C)
Orifice :	1.8 mm
Flow (at 6 bar, ΔP=1bar) :	4 W : 0.10C _v , 2.5 W : 0.09C _v , 1.8 W : 0.07C _v
Leak rate :	50 cm ³ /min
Coil :	General purpose class A, continuous duty, encapsulated
Voltage range :	-15% to +10% of nominal voltage
Power :	4 W - 2.5 W - 1.8 W
Response times :	Energize : 4 ms
(with 4 W coil)	De-energize : 1.5 ms

- Note : • Valve and coil are not interchangeable.
- Spare parts : • Seal between valve and bar : 16595. • Mounting screw (x2) : 35031. • Blanking plate : M-34005.
• Base wire Plug-in protector : 24180. • Blanking plate for regulator : N-44003.
- Options : • Isolation of inlet and/or exhaust. • BSPP Threads.

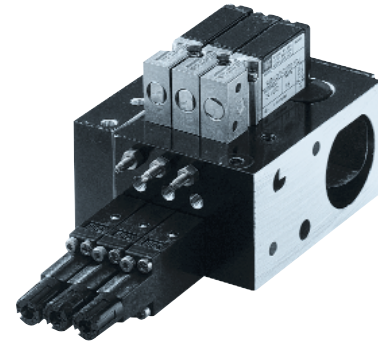
DIMENSIONS



Function	Port size	Flow [Max]	Circuit bar mounting
3/2 NO-NC	M5 - #10-32	0.09C_v	add-on style plug-in with Pr. Reg. and F. C.

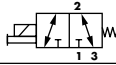
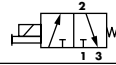
OPERATIONAL BENEFITS

1. 10 mm valve, direct solenoid operated.
2. Balanced poppet, immune to variations of pressure.
3. Short stroke with high flow.
4. The patented solenoid develops high shifting forces.
5. Powerful return spring.
6. Flow is specifically adjusted on each valve.
7. Manual operator standard on all valves.



HOW TO ORDER

HOW TO ORDER VALVE FOR CIRCUIT BAR MOUNTING

Port size (see base)	Universal valve	NC only valve
		
Valve less base	34B-100-GxxO-xxx	34B-NOO-GxxO-xxx

SOLENOID OPERATOR >

G **XX** O - **X** **XX** *

XX Voltage	X Manual operator	XX Electrical connection
DC 24VDC (1.8 W)	1 Non-locking	DJ Plug-in
DD 24VDC (2.5 W)		DT Plug-in with light
DF 24VDC (4.0 W)		DE Plug-in with suppression diode
		DV Plug-in with light and suppression diode

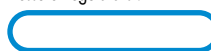
HOW TO ORDER CIRCUIT BAR WITH FLOW CONTROLS AND PRESSURE REGULATORS ** (pressure regulators to be ordered separately)

Port size	Bottom cylinder ports (10.5 mm)	Side cylinder ports (10.5 mm)
M5	ECD034B-007BD-AOxx	ECD034B-008BD-AOxx
# 10-32	ECD034B-007BB-AOxx	ECD034B-008BB-AOxx

Number of stations (03=3 stations)

Note : clic for valves mounted on base at the factory, add - 9 to the model number.
 clic for multi-pin connector option (9, 15 or 25).
 add-a-unit stations may be added to above bars. Clic here for model numbers.

** Pressure Regulators :



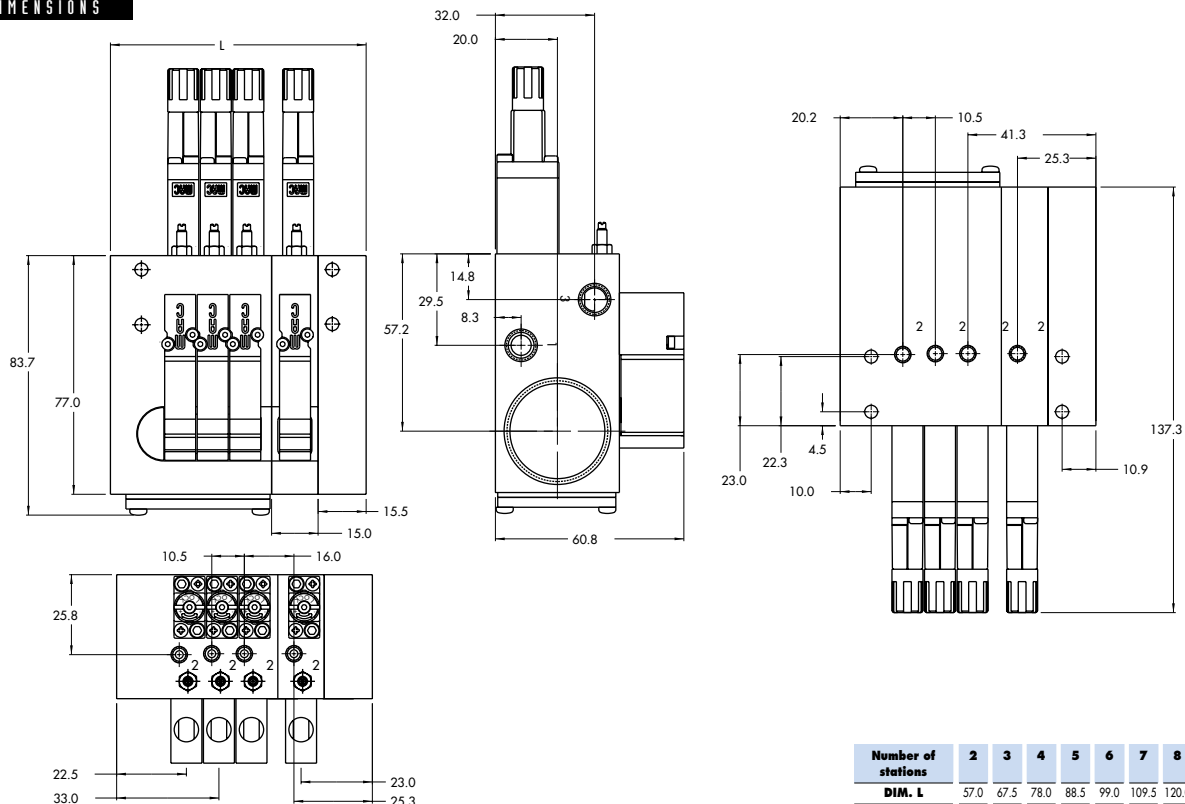
- Y=A (no gage port)
- Y=B (with gage port)
- X=A (0 to 100 PSI)
- X=B (0 to 60 PSI)
- X=C (0 to 40 PSI)
- X=D (0 to 15 PSI)

**TECHNICAL
D A T A**

Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Vacuum to 120 PSI
Lubrication :	Not required, if used select a medium aniline point lubricant (between 180°F and 210°F)
Filtration :	40 µ
Temperature range :	0°F to 120°F (-18°C to +50°C)
Orifice :	1.8 mm
Flow (at 6 bar, ΔP=1bar) :	4 W : 0.10C _v , 2.5 W : 0.09C _v , 1.8 W : 0.07C _v
Leak rate :	50 cm ³ /min
Coil :	General purpose class A, continuous duty, encapsulated
Voltage range :	-15% to +10% of nominal voltage
Power :	4 W - 2.5 W - 1.8 W
Response times :	Energize : 4 ms
(with 4 W coil)	De-energize : 1.5 ms

- Note : • Valve and coil are not interchangeable.
- Spare parts : • Seal between valve and bar : 16595. • Mounting screw (x2) : 35031. • Blanking plate : M-34005.
• Blanking plate for regulator : N-44003. • Base wire Plug-in protector : 24180.
- Options : • Isolation of inlet and/or exhaust. • BSPP Threads.

DIMENSIONS



Function	Port size	Flow [Max]	Circuit bar mounting
3/2 NO-NC	M5 - #10-32	0.10C_v	plug-in add-a-unit stations

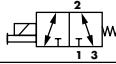
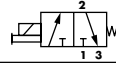
OPERATIONAL BENEFITS

1. 10 mm valve, direct solenoid operated.
2. Balanced poppet, immune to variations of pressure.
3. Short stroke with high flow.
4. The patented solenoid develops high shifting forces.
5. Powerful return spring.
6. Flow is specifically adjusted on each valve.
7. Manual operator standard on all valves.

Reset

HOW TO ORDER

HOW TO ORDER VALVE FOR CIRCUIT BAR MOUNTING

Port size (see base)	Universal valve	NC only valve
		
Valve less base	34B-100-GxxO-xxx	34B-NOO-GxxO-xxx

SOLENOID OPERATOR >

G XX O- X XX*

XX Voltage	X Manual operator	XX Electrical connection
DC 24VDC (1.8 W)	1 Non-locking	DJ Plug-in
DD 24VDC (2.5 W)		DT Plug-in with light
DF 24VDC (4.0 W)		DE Plug-in with suppression diode
		DV Plug-in with light and suppression diode

HOW TO ORDER CIRCUIT BAR

Port size	Side cylinder ports	Bottom cylinder ports
M5	ECD034B-001CD-AOxx	ECD034B-002CD-AOxx
# 10-32	ECD034B-001CB-AOxx	ECD034B-002CB-AOxx

Number of stations (03=3 stations) - Maximum length is 4 stations

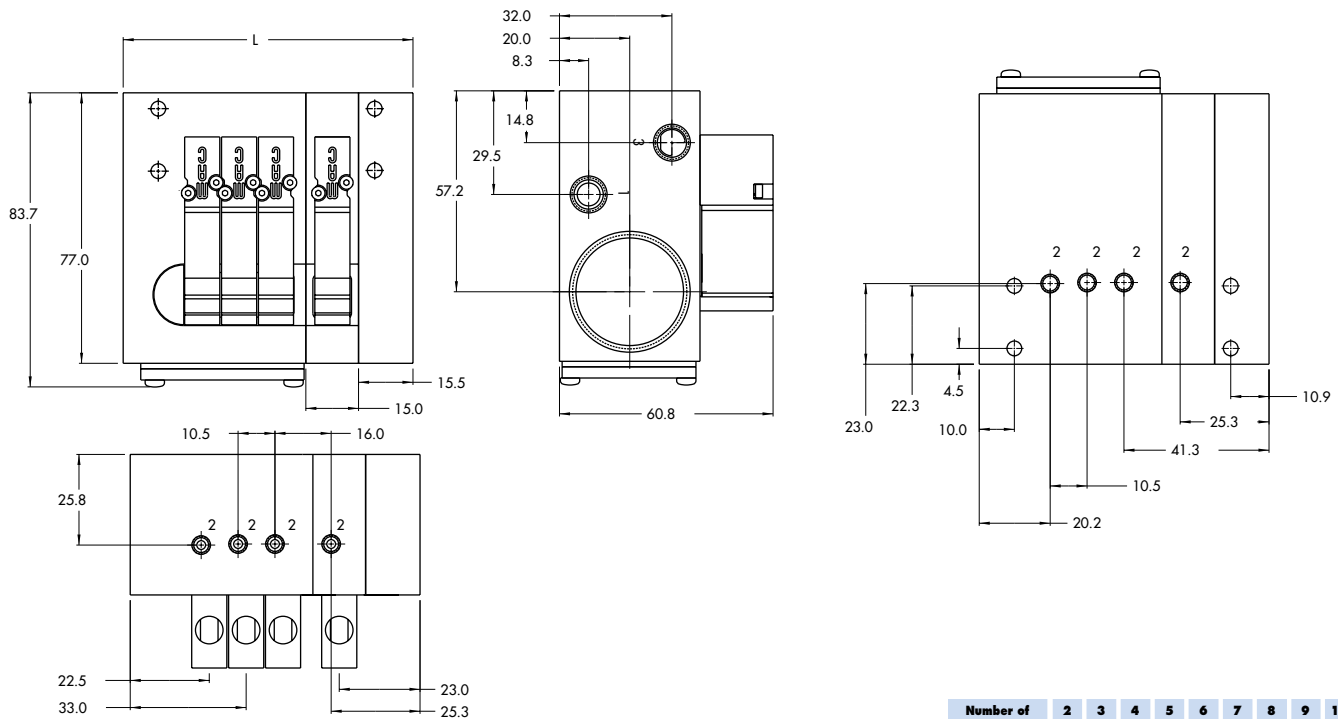
Note : clic for valves mounted on base at the factory, add - 9 to the model number.
when add-a-unit stations are added to bars with a multi-pin connector,
MOD. SD03 should be included with add-a-unit model number.

**TECHNICAL
DATA**

Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Vacuum to 120 PSI
Lubrication :	Not required, if used select a medium aniline point lubricant (between 180°F and 210°F)
Filtration :	40 µ
Temperature range :	0°F to 120°F (-18°C to +50°C)
Orifice :	1.8 mm
Flow (at 6 bar, ΔP=1bar) :	4 W : 0.10C _v , 2.5 W : 0.09C _v , 1.8 W : 0.07C _v
Leak rate :	50 cm ³ /min
Coil :	General purpose class A, continuous duty, encapsulated
Voltage range :	-15% to +10% of nominal voltage
Power :	4 W - 2.5 W - 1.8 W
Response times :	Energize : 4 ms
(with 4 W coil)	De-energize : 1.5 ms

- Note :
 - Valve and coil are not interchangeable.
- Spare parts :
 - Seal between valve and bar : 16595. • Mounting screw (x2) : 35031. • Blanking plate : M-34005.
 - Base wire Plug-in protector : 24180.
- Options :
 - Isolation of inlet and/or exhaust. • BSPP Threads.

DIMENSIONS



Function	Port size	Flow (Max)	Circuit bar mounting
3/2 NO-NC	M5 - #10-32	0.10C_v	plug-in add-a-unit stations with F. C.

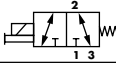
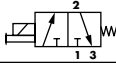
OPERATIONAL BENEFITS

1. 10 mm valve, direct solenoid operated.
2. Balanced poppet, immune to variations of pressure.
3. Short stroke with high flow.
4. The patented solenoid develops high shifting forces.
5. Powerful return spring.
6. Flow is specifically adjusted on each valve.
7. Manual operator standard on all valves.



HOW TO ORDER

HOW TO ORDER VALVE FOR CIRCUIT BAR MOUNTING

Port size (see base)	Universal valve	NC only valve
		
Valve less base	34B-LOO-G xx O- xxx	34B-NOO-G xx O- xxx

SOLENOID OPERATOR ▶

G **XX** O- **X** **XX** *

XX Voltage	X Manual operator	XX Electrical connection
DC 24VDC (1.8 W)	1 Non-locking	DJ Plug-in
DD 24VDC (2.5 W)		DT Plug-in with light
DF 24VDC (4.0 W)		DE Plug-in with suppression diode
		DV Plug-in with light and suppression diode

HOW TO ORDER CIRCUIT BAR WITH FLOW CONTROLS

Port size	Side cylinder ports	Bottom cylinder ports
M5	ECD034B-005CD-AO xx	ECD034B-006CD-AO xx
# 10-32	ECD034B-005CB-AO xx	ECD034B-006CB-AO xx

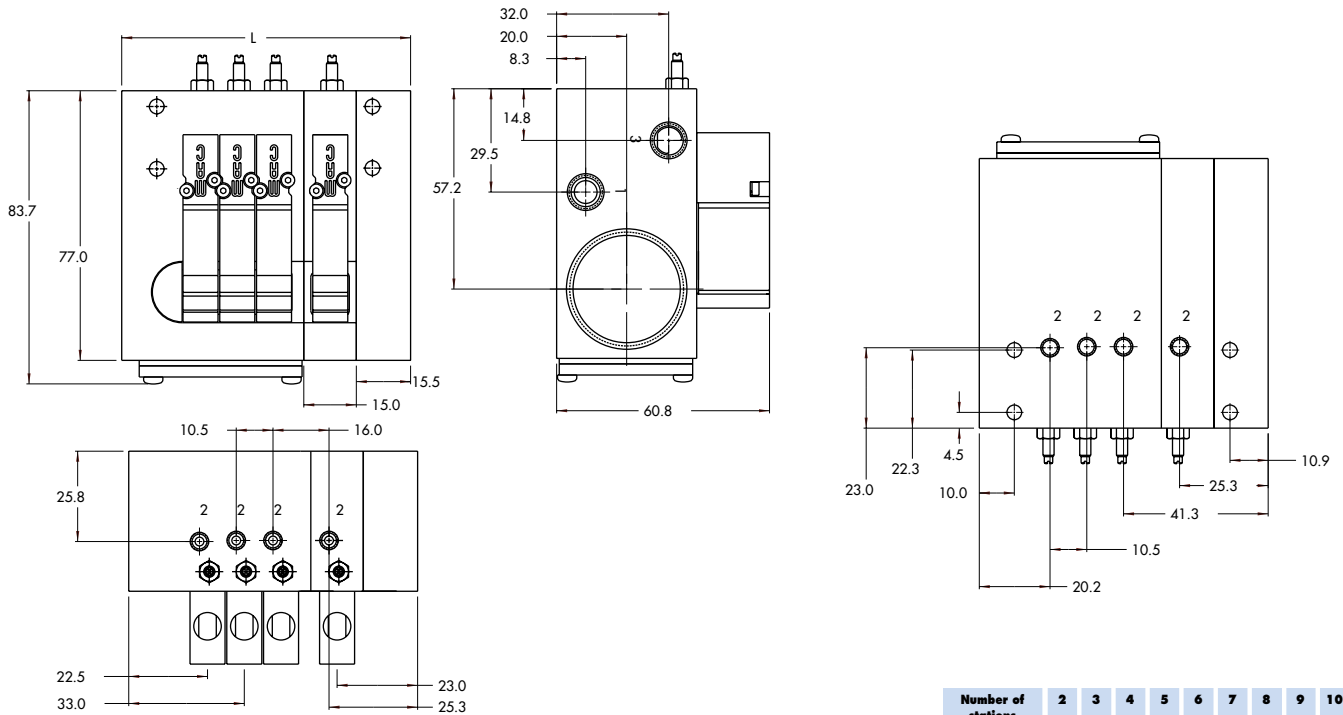
Number of stations (03=3 stations) - Maximum length is 4 stations
 Note : clic for valves mounted on base at the factory, add - 9 to the model number.
 when add-a-unit stations are added to bars with a multi-pin connector,
 MOD. SD03 should be included with add-a-unit model number.

**TECHNICAL
DATA**

Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Vacuum to 120 PSI
Lubrication :	Not required, if used select a medium aniline point lubricant (between 180°F and 210°F)
Filtration :	40 µ
Temperature range :	0°F to 120°F (-18°C to +50°C)
Orifice :	1.8 mm
Flow (at 6 bar, ΔP=1bar) :	4 W : 0.10C _v , 2.5 W : 0.09C _v , 1.8 W : 0.07C _v
Leak rate :	50 cm ³ /min
Coil :	General purpose class A, continuous duty, encapsulated
Voltage range :	-15% to +10% of nominal voltage
Power :	4 W - 2.5 W - 1.8 W
Response times :	Energize : 4 ms
(with 4 W coil)	De-energize : 1.5 ms

- Note : • Valve and coil are not interchangeable.
- Spare parts : • Seal between valve and bar : 16595. • Mounting screw (x2) : 35031. • Blanking plate : M-34005.
• Base wire Plug-in protector : 24180.
- Options : • Isolation of inlet and/or exhaust. • BSPP Threads.

DIMENSIONS



Function	Port size	Flow (Max)	Circuit bar mounting
3/2 NO-NC	M5 - #10-32	0.10C_v	plug-in add-a-unit stations with Pr. Reg.

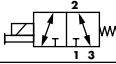
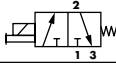
OPERATIONAL BENEFITS

1. 10 mm valve, direct solenoid operated.
2. Balanced poppet, immune to variations of pressure.
3. Short stroke with high flow.
4. The patented solenoid develops high shifting forces.
5. Powerful return spring.
6. Flow is specifically adjusted on each valve.
7. Manual operator standard on all valves.



HOW TO ORDER

HOW TO ORDER VALVE FOR CIRCUIT BAR MOUNTING

Port size (see base)	Universal valve	NC only valve
		
Valve less base	34B-100-G XX O- XXX	34B-NOO-G XX O- XXX

SOLENOID OPERATOR >

G XX O- X XX		
XX Voltage	X Manual operator	XX Electrical connection
DC 24VDC (1.8 W)	1 Non-locking	DJ Plug-in
DD 24VDC (2.5 W)		DT Plug-in with light
DF 24VDC (4.0 W)		DE Plug-in with suppression diode
		DV Plug-in with light and suppression diode

HOW TO ORDER CIRCUIT BAR FOR PRESSURE REGULATORS ** (to be ordered separately)

Port size	Side cylinder ports	Bottom cylinder ports
M5	ECD034B-003CD-AO XX	ECD034B-004CD-AO XX
# 10-32	ECD034B-003CB-AO XX	ECD034B-004CB-AO XX

Number of stations (03=3 stations) - Maximum length is 4 stations
 Note : clic for valves mounted on base at the factory, add - 9 to the model number.
 when add-a-unit stations are added to bars with a multi-pin connector,
 MOD. SD03 should be included with add-a-unit model number.

** Regulator ordered separately-see below



- Y=A (no gage port)
- Y=B (with gage port)
- X=A (0 to 100 PSI)
- X=B (0 to 60 PSI)
- X=C (0 to 40 PSI)
- X=D (0 to 15 PSI)

**TECHNICAL
DATA**

Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Vacuum to 120 PSI
Lubrication :	Not required, if used select a medium aniline point lubricant (between 180°F and 210°F)
Filtration :	40 µ
Temperature range :	0°F to 120°F (-18°C to +50°C)
Orifice :	1.8 mm
Flow (at 6 bar, ΔP=1bar) :	4 W : 0.10C _v , 2.5 W : 0.09C _v , 1.8 W : 0.07C _v
Leak rate :	50 cm ³ /min
Coil :	General purpose class A, continuous duty, encapsulated
Voltage range :	-15% to +10% of nominal voltage
Power :	4 W - 2.5 W - 1.8 W
Response times :	Energize : 4 ms
(with 4 W coil)	De-energize : 1.5 ms

Note :

- Valve and coil are not interchangeable.

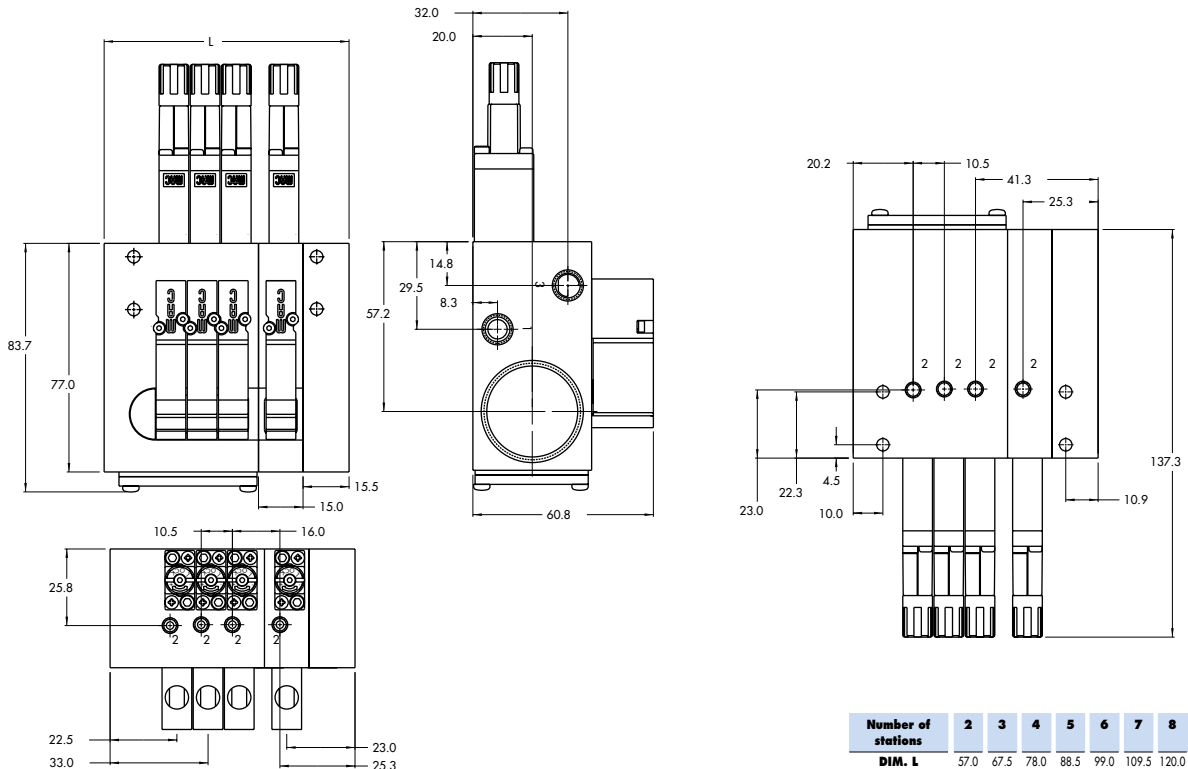
Spare parts :

- Seal between valve and bar : 16595. • Mounting screw (x2) : 35031. • Blanking plate : M-34005.
- Base wire Plug-in protector : 24180. • Blanking plate for regulator : N-44003.

Options :

- Isolation of inlet and/or exhaust. • BSPP Threads.

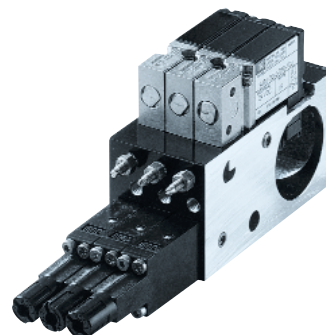
DIMENSIONS



Function	Port size	Flow (Max)	Circuit bar mounting
3/2 NO-NC	M5 - #10-32	0.10C_v	plug-in add-a-unit stations with F. C. and Pr. Reg.

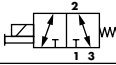
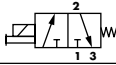
OPERATIONAL BENEFITS

1. 10 mm valve, direct solenoid operated.
2. Balanced poppet, immune to variations of pressure.
3. Short stroke with high flow.
4. The patented solenoid develops high shifting forces.
5. Powerful return spring.
6. Flow is specifically adjusted on each valve.
7. Manual operator standard on all valves.



HOW TO ORDER

HOW TO ORDER VALVE FOR CIRCUIT BAR MOUNTING

Port size (see base)	Universal valve	NC only valve
		
Valve less base	34B-100-G XX O- XXX	34B-100-G XX O- XXX

SOLENOID OPERATOR >

G **XX** O- **X** **XX** *

XX Voltage	X Manual operator	XX Electrical connection
DC 24VDC (1.8 W)	1 Non-locking	DJ Plug-in
DD 24VDC (2.5 W)		DT Plug-in with light
DF 24VDC (4.0 W)		DE Plug-in with suppression diode
		DV Plug-in with light and suppression diode

HOW TO ORDER CIRCUIT BAR WITH FLOW CONTROLS AND PRESSURE REGULATORS ** (pressure regulators to be ordered separately)

Port size	Side cylinder ports	Bottom cylinder ports
M5	ECD034B-008CD-AO XX	ECD034B-007CD-AO XX
# 10-32	ECD034B-008CB-AO XX	ECD034B-007CB-AO XX

Number of stations (03=3 stations) - Maximum length is 4 stations
 Note : clic for valves mounted on base at the factory, add - 9 to the model number.
 when add-a-unit stations are added to bars with a multi-pin connector,
 MOD. SD03 should be included with add-a-unit model number.

** Regulator ordered separately-see below

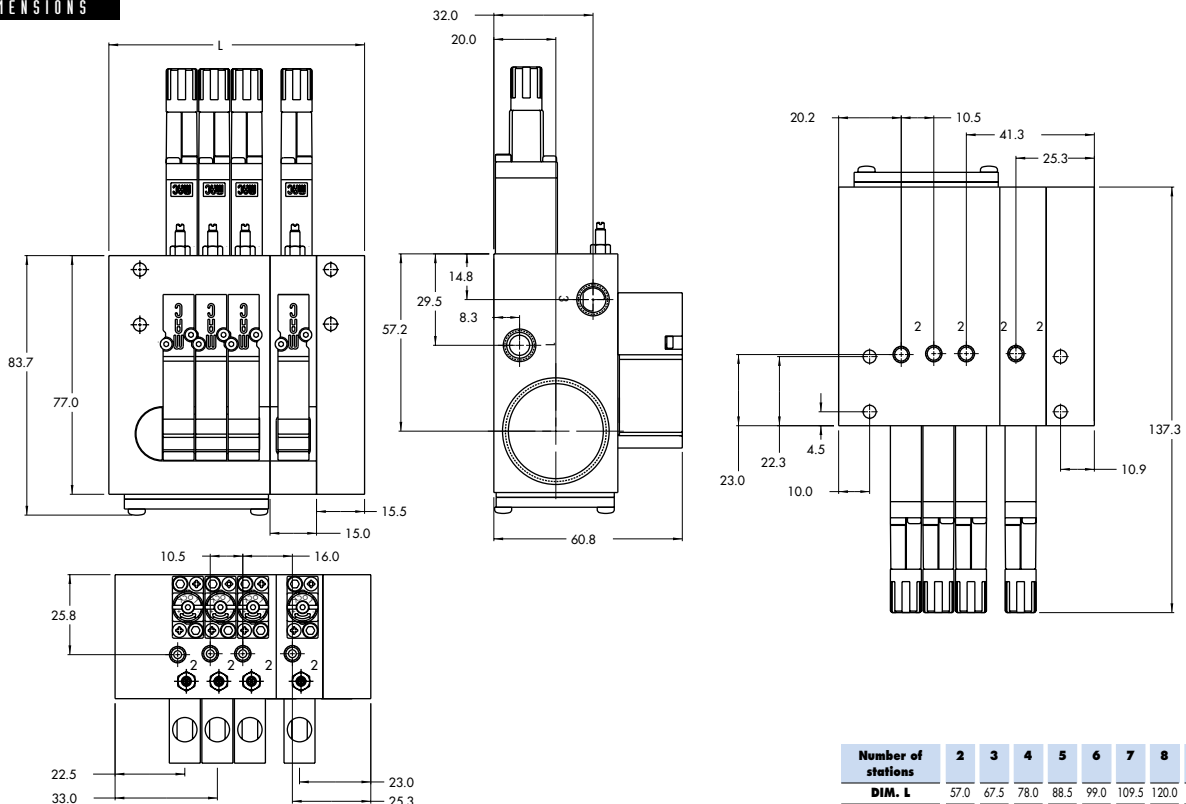
- Y=A (no gage port)
- Y=B (with gage port)
- X=A (0 to 100 PSI)
- X=B (0 to 60 PSI)
- X=C (0 to 40 PSI)
- X=D (0 to 15 PSI)

**TECHNICAL
D A T A**

Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Vacuum to 120 PSI
Lubrication :	Not required, if used select a medium aniline point lubricant (between 180°F and 210°F)
Filtration :	40 µ
Temperature range :	0°F to 120°F (-18°C to +50°C)
Orifice :	1.8 mm
Flow (at 6 bar, ΔP=1bar) :	4 W : 0.10C _v , 2.5 W : 0.09C _v , 1.8 W : 0.07C _v
Leak rate :	50 cm ³ /min
Coil :	General purpose class A, continuous duty, encapsulated
Voltage range :	-15% to +10% of nominal voltage
Power :	4 W - 2.5 W - 1.8 W
Response times :	Energize : 4 ms
(with 4 W coil)	De-energize : 1.5 ms

- Note :
 - Valve and coil are not interchangeable.
- Spare parts :
 - Seal between valve and bar : 16595. • Mounting screw (x2) : 35031. • Blanking plate : M-34005.
 - Blanking plate for regulator : N-44003. • Base wire Plug-in protector : 24180.
- Options :
 - Isolation of inlet and/or exhaust. • BSPP Threads.

DIMENSIONS



Function	Port size	Flow [Max]	Circuit bar mounting
3/2 NO-NC	M5 - #10-32, 4mm tube receptacle	0.11C_v	plug-in with pre-wired connector

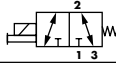
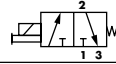
OPERATIONAL BENEFITS

1. 10 mm valve, direct solenoid operated.
2. Balanced poppet, immune to variations of pressure.
3. Short stroke with high flow.
4. The patented solenoid develops high shifting forces.
5. Powerful return spring.
6. Flow is specifically adjusted on each valve.
7. Manual operator standard on all valves.



HOW TO ORDER

HOW TO ORDER VALVE FOR CIRCUIT BAR MOUNTING

Port size (see base)	Universal valve	NC only valve
		
Valve less base	34B-100-GxxO-xxx	34B-100-GxxO-xxx

SOLENOID OPERATOR >

G XX O - X XX *

<u>XX</u> Voltage	<u>X</u> Manual operator	<u>XX</u> Electrical connection
DC 24VDC (1.8 W)	1 Non-locking	DJ Plug-in
DD 24VDC (2.5 W)		DT Plug-in with light
DF 24VDC (4.0 W)		DE Plug-in with suppression diode
		DV Plug-in with light and suppression diode

HOW TO ORDER CIRCUIT BAR

Port size	Side cylinder ports (10.5 mm)	Bottom cylinder ports (10.5 mm)
M5	ECF34B-00ADA- ZZXX	ECF34B-00BDA- ZZXX
# 10-32	ECF34B-00ABA- ZZXX	ECF34B-00BBA- ZZXX
4 mm tube receptacle	ECF34B-00AEA- ZZXX	-----

Number of stations (03=3 stations)

Note : clic for valves mounted on base at the factory, add - 9 to the model number.

L=Left Side; R=Right Side

ZZ	Connector	ZZ	Connector
LA	9 Pin Sub D*	RA	9 Pin Sub D*
LB	15 Pin Sub D*	RB	15 Pin Sub D*
LC	25 Pin Sub D*	RC	25 Pin Sub D*
LD	10 Pin Ribbon Cable**	RD	10 Pin Ribbon Cable**
LE	16 Pin Ribbon Cable**	RE	16 Pin Ribbon Cable**
LF	20 Pin Ribbon Cable**	RF	20 Pin Ribbon Cable**
LG	26 Pin Ribbon Cable**	RG	26 Pin Ribbon Cable**
LH	3/8" NPSM Conduit Port Standard Base Wires	RH	3/8" NPSM Conduit Port Standard Base Wires

* MIL. Spec; MIL-C-24308

** MIL. Spec; MIL-C-83503

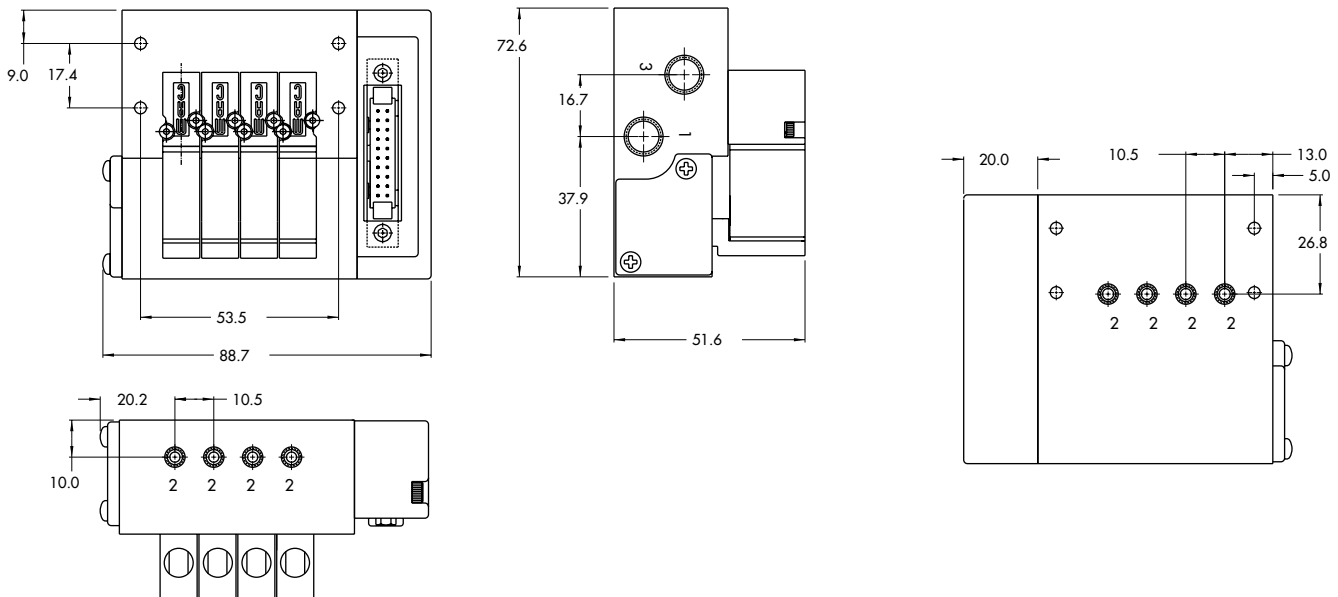
Note: Left and right end is determined by facing conduit passage.

**TECHNICAL
DATA**

Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Vacuum to 120 PSI
Lubrication :	Not required, if used select a medium aniline point lubricant (between 180°F and 210°F)
Filtration :	40 µ
Temperature range :	0°F to 120°F (-18°C to +50°C)
Orifice :	1.8 mm
Flow (at 6 bar, ΔP=1bar) :	4 W : 0.10C _v , 2.5 W : 0.09C _v , 1.8 W : 0.07C _v
Leak rate :	50 cm ³ /min
Coil :	General purpose class A, continuous duty, encapsulated
Voltage range :	-15% to +10% of nominal voltage
Power :	4 W - 2.5 W - 1.8 W
Response times :	Energize : 4 ms
(with 4 W coil)	De-energize : 1.5 ms

- Note :
 - Valve and coil are not interchangeable.
- Spare parts :
 - Seal between valve and bar : 16595. • Mounting screw (x2) : 35031. • Blanking plate : M-34005.
 - Base wire Plug-in protector : 24180.
- Options :
 - Isolation of inlet and/or exhaust. • BSPP Threads.

DIMENSIONS



Function	Port size	Flow (Max)	Circuit bar mounting
3/2 NO-NC	M5 - #10-32, 4mm tube receptacle	0.11C_v	plug-in with F. C. and pre-wired connector

OPERATIONAL BENEFITS

1. 10 mm valve, direct solenoid operated.
2. Balanced poppet, immune to variations of pressure.
3. Short stroke with high flow.
4. The patented solenoid develops high shifting forces.
5. Powerful return spring.
6. Flow is specifically adjusted on each valve.
7. Manual operator standard on all valves.



HOW TO ORDER

HOW TO ORDER VALVE FOR CIRCUIT BAR MOUNTING

Port size (see base)	Universal valve	NC only valve
Valve less base	34B-100-G XX O- XXX	34B-100-G XX O- XXX

SOLENOID OPERATOR >

G **XX** O - **X** **XX** *

XX Voltage	X Manual operator	XX Electrical connection
DC 24VDC (1.8 W)	1 Non-locking	DJ Plug-in
DD 24VDC (2.5 W)		DT Plug-in with light
DF 24VDC (4.0 W)		DE Plug-in with suppression diode
		DV Plug-in with light and suppression diode

HOW TO ORDER CIRCUIT BAR WITH FLOW CONTROLS

Port size	Side cylinder ports (10.5 mm)	Bottom cylinder ports (10.5 mm)
M5	ECF34B-00CDA- ZZXX	ECF34B-00DDA- ZZXX
# 10-32	ECF34B-00CBA- ZZXX	ECF34B-00DBA- ZZXX
4 mm tube receptacle	ECF34B-00CEA- ZZXX	-----

Number of stations (03=3 stations)

Note : clic for valves mounted on base at the factory, add - 9 to the model number.

L=Left Side; R=Right Side

ZZ	Connector	ZZ	Connector
LA	9 Pin Sub D*	RA	9 Pin Sub D*
LB	15 Pin Sub D*	RB	15 Pin Sub D*
LC	25 Pin Sub D*	RC	25 Pin Sub D*
LD	10 Pin Ribbon Cable**	RD	10 Pin Ribbon Cable**
LE	16 Pin Ribbon Cable**	RE	16 Pin Ribbon Cable**
LF	20 Pin Ribbon Cable**	RF	20 Pin Ribbon Cable**
LG	26 Pin Ribbon Cable**	RG	26 Pin Ribbon Cable**
LH	3/8" NPSM Conduit Port Standard Base Wires	RH	3/8" NPSM Conduit Port Standard Base Wires

* MIL. Spec; MIL-C-24308

** MIL. Spec; MIL-C-83503

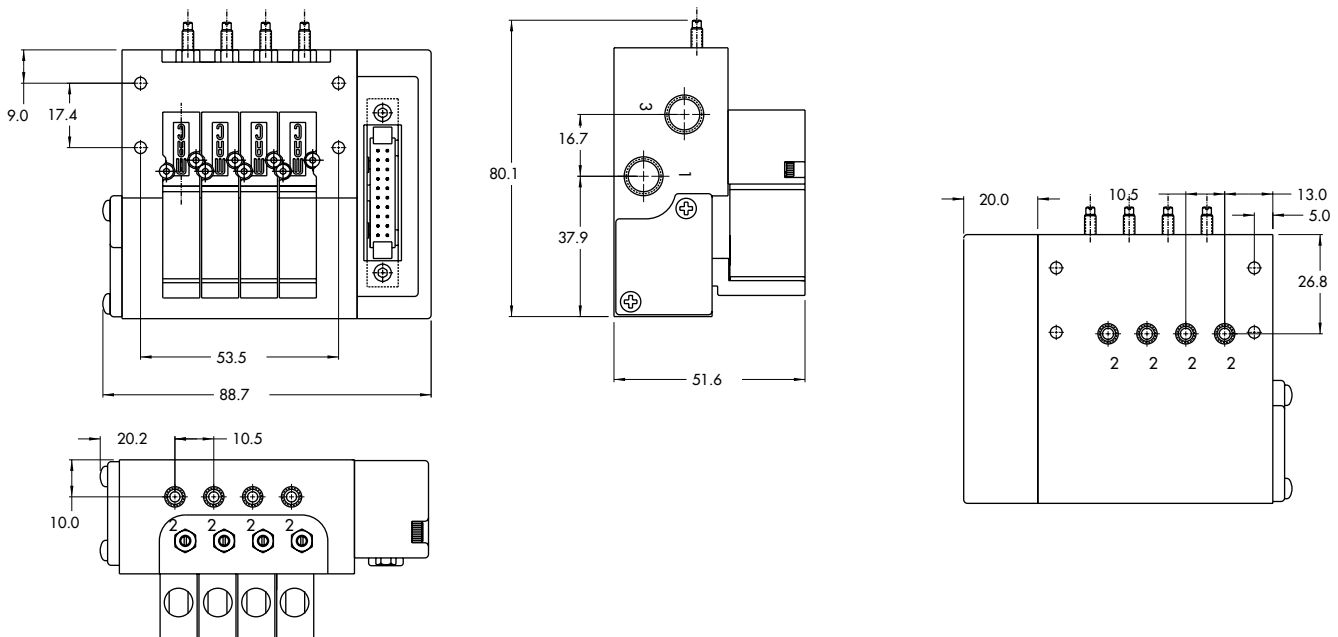
Note: Left and right end is determined by facing conduit passage.

**TECHNICAL
DATA**

Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Vacuum to 120 PSI
Lubrication :	Not required, if used select a medium aniline point lubricant (between 180°F and 210°F)
Filtration :	40 µ
Temperature range :	0°F to 120°F (-18°C to +50°C)
Orifice :	1.8 mm
Flow (at 6 bar, ΔP=1bar) :	4 W : 0.11C _v , 2.5 W : 0.09C _v , 1.8 W : 0.06C _v
Leak rate :	50 cm ³ /min
Coil :	General purpose class A, continuous duty, encapsulated
Voltage range :	-15% to +10% of nominal voltage
Power :	4 W - 2.5 W - 1.8 W
Response times :	Energize : 4 ms
(with 4 W coil)	De-energize : 1.5 ms

- Note :
 - Valve and coil are not interchangeable.
- Spare parts :
 - Seal between valve and bar : 16595. • Mounting screw (x2) : 35031. • Blanking plate : M-34005.
 - Base wire Plug-in protector : 24180.
- Options :
 - Isolation of inlet and/or exhaust. • BSPP Threads.

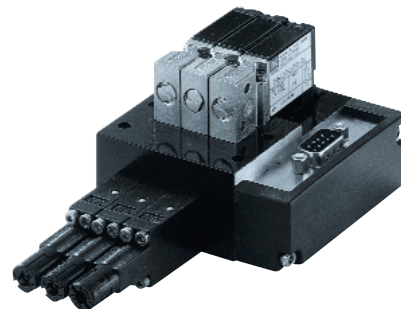
DIMENSIONS



Function	Port size	Flow (Max)	Circuit bar mounting
3/2 NO-NC	M5 - #10-32	0.10C_v	plug-in with Pr. Reg. and pre-wired connector

OPERATIONAL BENEFITS

1. 10 mm valve, direct solenoid operated.
2. Balanced poppet, immune to variations of pressure.
3. Short stroke with high flow.
4. The patented solenoid develops high shifting forces.
5. Powerful return spring.
6. Flow is specifically adjusted on each valve.
7. Manual operator standard on all valves.



HOW TO ORDER

HOW TO ORDER VALVE FOR CIRCUIT BAR MOUNTING

Port size (see base)	Universal valve	NC only valve
Valve less base	34B-100-GxxO-xxx	34B-NOO-GxxO-xxx

SOLENOID OPERATOR >

G **XX** O- **X** **XX** *

XX Voltage	X Manual operator	XX Electrical connection
DC 24VDC (1.8 W)	1 Non-locking	DJ Plug-in
DD 24VDC (2.5 W)		DT Plug-in with light
DF 24VDC (4.0 W)		DE Plug-in with suppression diode
		DV Plug-in with light and suppression diode

HOW TO ORDER CIRCUIT BAR FOR PRESSURE REGULATORS ** (to be ordered separately)

Port size	Bottom cylinder ports (10.5 mm)
M5	ECF34B-00EDA-zzxx
# 10-32	ECF34B-00EBA-zzxx

Number of stations (03=3 stations)

** Pressure Regulators :

- Y=A (no gage port)
- Y=B (with gage port)
- X=A (0 to 100 PSI)
- X=B (0 to 60 PSI)
- X=C (0 to 40 PSI)
- X=D (0 to 15 PSI)

L=Left Side; R=Right Side

ZZ	Connector	ZZ	Connector
LA	9 Pin Sub D*	RA	9 Pin Sub D*
LB	15 Pin Sub D*	RB	15 Pin Sub D*
LC	25 Pin Sub D*	RC	25 Pin Sub D*
LD	10 Pin Ribbon Cable**	RD	10 Pin Ribbon Cable**
LE	16 Pin Ribbon Cable**	RE	16 Pin Ribbon Cable**
LF	20 Pin Ribbon Cable**	RF	20 Pin Ribbon Cable**
LG	26 Pin Ribbon Cable**	RG	26 Pin Ribbon Cable**
LH	3/8" NPSM Conduit Port Standard Base Wires	RH	3/8" NPSM Conduit Port Standard Base Wires

* MIL. Spec; MIL-C-24308

** MIL. Spec; MIL-C-83503

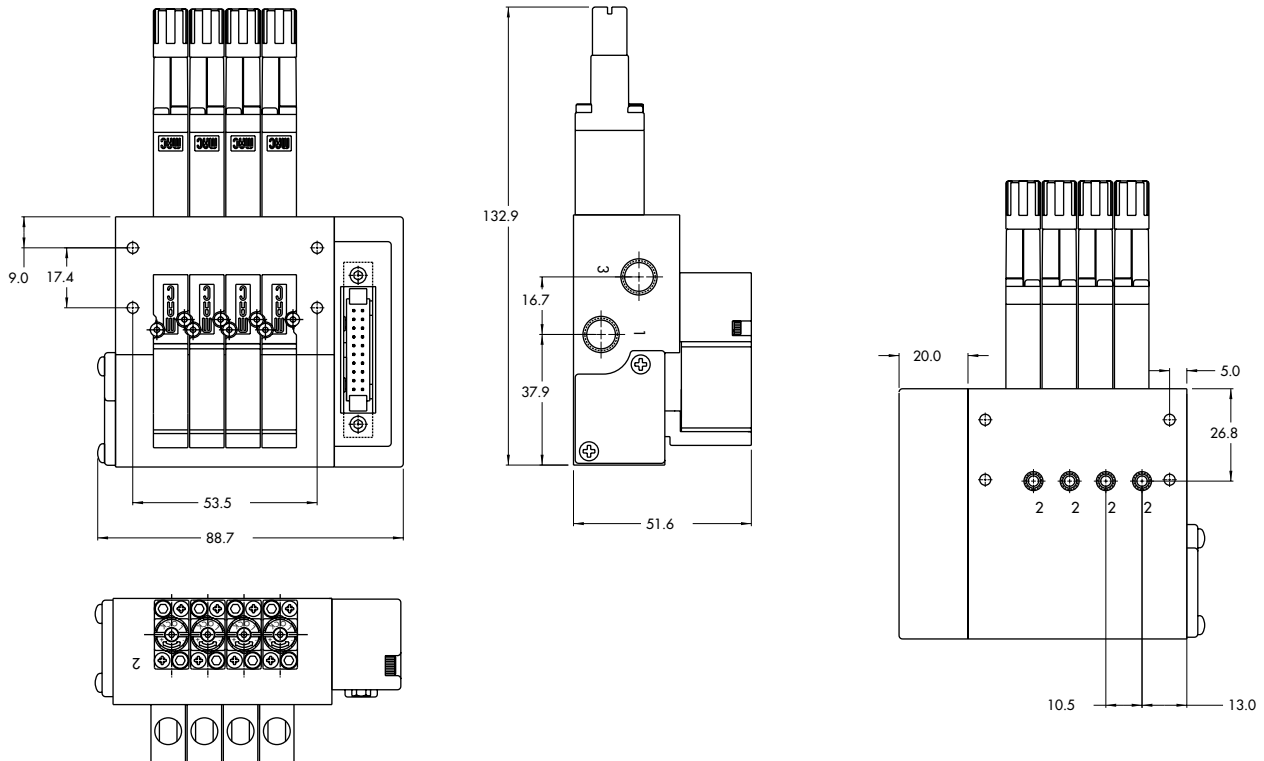
Note: Left and right end is determined by facing conduit passage.

**TECHNICAL
D A T A**

Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Vacuum to 120 PSI
Lubrication :	Not required, if used select a medium aniline point lubricant (between 180°F and 210°F)
Filtration :	40 µ
Temperature range :	0°F to 120°F (-18°C to +50°C)
Orifice :	1.8 mm
Flow (at 6 bar, ΔP=1bar) :	4 W : 0.10C _v , 2.5 W : 0.09C _v , 1.8 W : 0.07C _v
Leak rate :	50 cm ³ /min
Coil :	General purpose class A, continuous duty, encapsulated
Voltage range :	-15% to +10% of nominal voltage
Power :	4 W - 2.5 W - 1.8 W
Response times :	Energize : 4 ms
(with 4 W coil)	De-energize : 1.5 ms

- Note :
 - Valve and coil are not interchangeable.
- Spare parts :
 - Seal between valve and bar : 16595. • Mounting screw (x2) : 35031. • Blanking plate : M-34005.
 - Blanking plate for regulator : N-44003. • Base wire Plug-in protector : 24180.
- Options :
 - Isolation of inlet and/or exhaust. • BSPP Threads.

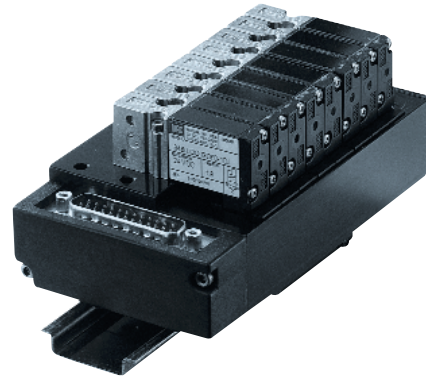
DIMENSIONS



Function	Port size	Flow [Max]	Circuit bar mounting
3/2 NO-NC	M5 - #10-32, 4mm tube receptacle	0.11C_v	din rail, plug-in with pre-wired connector

OPERATIONAL BENEFITS

1. 10 mm valve, direct solenoid operated.
2. Balanced poppet, immune to variations of pressure.
3. Short stroke with high flow.
4. The patented solenoid develops high shifting forces.
5. Powerful return spring.
6. Flow is specifically adjusted on each valve.
7. Manual operator standard on all valves.



HOW TO ORDER

HOW TO ORDER VALVE FOR CIRCUIT BAR MOUNTING

Port size (see base)	Universal valve	NC only valve
Valve less base	34B-100-GxxO-xxx	34B-NOO-GxxO-xxx

SOLENOID OPERATOR >

G **XX** O - **X** **XX** *

XX Voltage	X Manual operator	XX Electrical connection
DC 24VDC (1.8 W)	1 Non-locking	DJ Plug-in
DD 24VDC (2.5 W)		DT Plug-in with light
DF 24VDC (4.0 W)		DE Plug-in with suppression diode
		DV Plug-in with light and suppression diode

HOW TO ORDER CIRCUIT BAR

Port size	Side cylinder ports (10.5 mm)
M5	ECF34B-00ADB- zzxx
# 10-32	ECF34B-00ABB- zzxx
4 mm tube receptacle	ECF34B-00AEB- zzxx

Number of stations (03=3 stations)

Din rail spec. (EN50 022)

Note : dic for valves mounted on base at the factory, add - 9 to the model number.

L=Left Side; R=Right Side

ZZ	Connector	ZZ	Connector
LA	9 Pin Sub D*	RA	9 Pin Sub D*
LB	15 Pin Sub D*	RB	15 Pin Sub D*
LC	25 Pin Sub D*	RC	25 Pin Sub D*
LD	10 Pin Ribbon Cable**	RD	10 Pin Ribbon Cable**
LE	16 Pin Ribbon Cable**	RE	16 Pin Ribbon Cable**
LF	20 Pin Ribbon Cable**	RF	20 Pin Ribbon Cable**
LG	26 Pin Ribbon Cable**	RG	26 Pin Ribbon Cable**
LH	3/8" NPSM Conduit Port Standard Base Wires	RH	3/8" NPSM Conduit Port Standard Base Wires

* MIL. Spec; MIL-C-24308

** MIL. Spec; MIL-C-83503

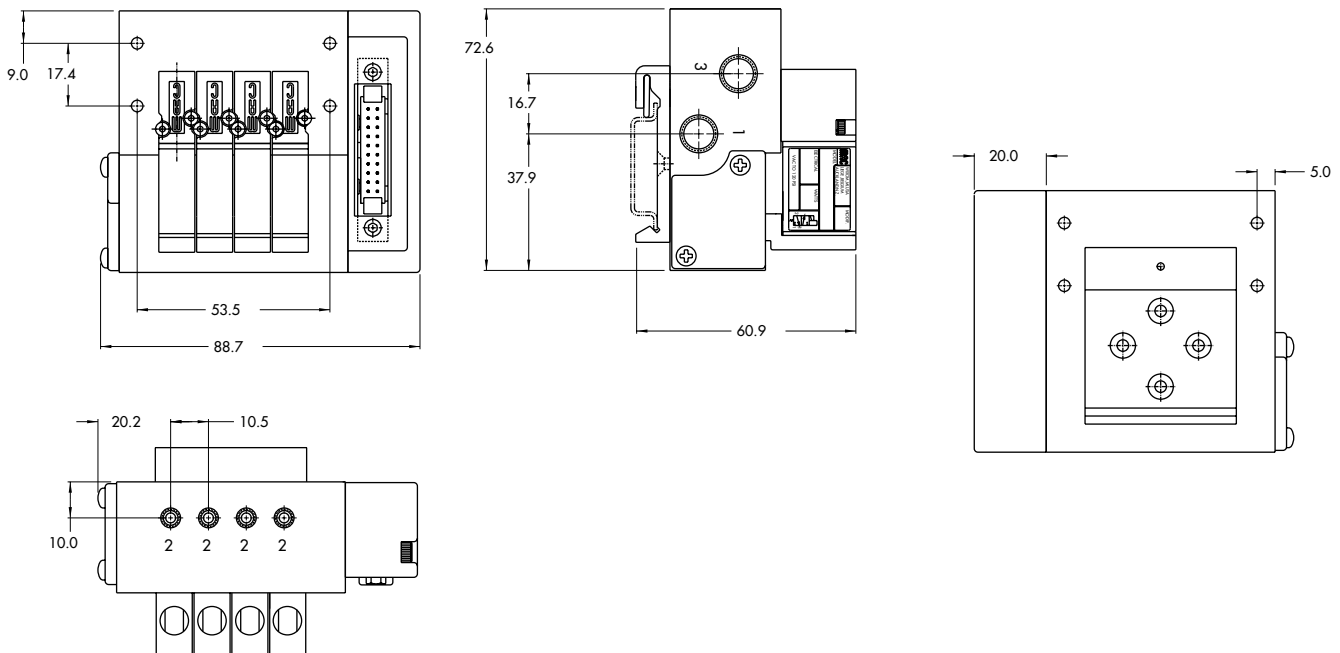
Note: Left and right end is determined by facing conduit passage.

**TECHNICAL
DATA**

Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Vacuum to 120 PSI
Lubrication :	Not required, if used select a medium aniline point lubricant (between 180°F and 210°F)
Filtration :	40 µ
Temperature range :	0°F to 120°F (-18°C to +50°C)
Orifice :	1.8 mm
Flow (at 6 bar, ΔP=1bar) :	4 W : 0.11C _v , 2.5 W : 0.09C _v , 1.8 W : 0.06C _v
Leak rate :	50 cm ³ /min
Coil :	General purpose class A, continuous duty, encapsulated
Voltage range :	-15% to +10% of nominal voltage
Power :	4 W - 2.5 W - 1.8 W
Response times :	Energize : 4 ms
(with 4 W coil)	De-energize : 1.5 ms

- Note :
 - Valve and coil are not interchangeable.
- Spare parts :
 - Seal between valve and bar : 16595. • Mounting screw (x2) : 35031. • Blanking plate : M-34005.
 - Base wire Plug-in protector : 24180.
- Options :
 - Isolation of inlet and/or exhaust. • BSPP Threads.

DIMENSIONS



Function	Port size	Flow [Max]	Circuit bar mounting
3/2 NO-NC	M5 - #10-32, 4 mm tube receptacle	0.11C_v	din rail, plug-in with F. C. and pre- wired connector

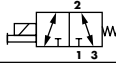
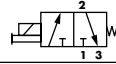
OPERATIONAL BENEFITS

1. 10 mm valve, direct solenoid operated.
2. Balanced poppet, immune to variations of pressure.
3. Short stroke with high flow.
4. The patented solenoid develops high shifting forces.
5. Powerful return spring.
6. Flow is specifically adjusted on each valve.
7. Manual operator standard on all valves.



HOW TO ORDER

HOW TO ORDER VALVE FOR CIRCUIT BAR MOUNTING

Port size (see base)	Universal valve	NC only valve
		
Valve less base	34B-100-GxxO-xxx	34B-N00-GxxO-xxx

SOLENOID OPERATOR >

G **XX** O - **X** **XX** *

XX Voltage	X Manual operator	XX Electrical connection
DC 24VDC (1.8 W)	1 Non-locking	DJ Plug-in
DD 24VDC (2.5 W)		DT Plug-in with light
DF 24VDC (4.0 W)		DE Plug-in with suppression diode
		DV Plug-in with light and suppression diode

HOW TO ORDER CIRCUIT BAR WITH FLOW CONTROLS

Port size	Side cylinder ports (10.5 mm)
M5	ECF34B-00CDB- zzxx
# 10-32	ECF34B-00CBB- zzxx
4 mm tube receptacle	ECF34B-00CEB- zzxx

Number of stations (03=3 stations)

Din rail spec. (EN50 022)

Note : clic for valves mounted on base at the factory, add - 9 to the model number.

L=Left Side; R=Right Side

ZZ	Connector	ZZ	Connector
LA	9 Pin Sub D*	RA	9 Pin Sub D*
LB	15 Pin Sub D*	RB	15 Pin Sub D*
LC	25 Pin Sub D*	RC	25 Pin Sub D*
LD	10 Pin Ribbon Cable**	RD	10 Pin Ribbon Cable**
LE	16 Pin Ribbon Cable**	RE	16 Pin Ribbon Cable**
LF	20 Pin Ribbon Cable**	RF	20 Pin Ribbon Cable**
LG	26 Pin Ribbon Cable**	RG	26 Pin Ribbon Cable**
LH	3/8" NPSM Conduit Port Standard Base Wires	RH	3/8" NPSM Conduit Port Standard Base Wires

* MIL. Spec; MIL-C-24308

** MIL. Spec; MIL-C-83503

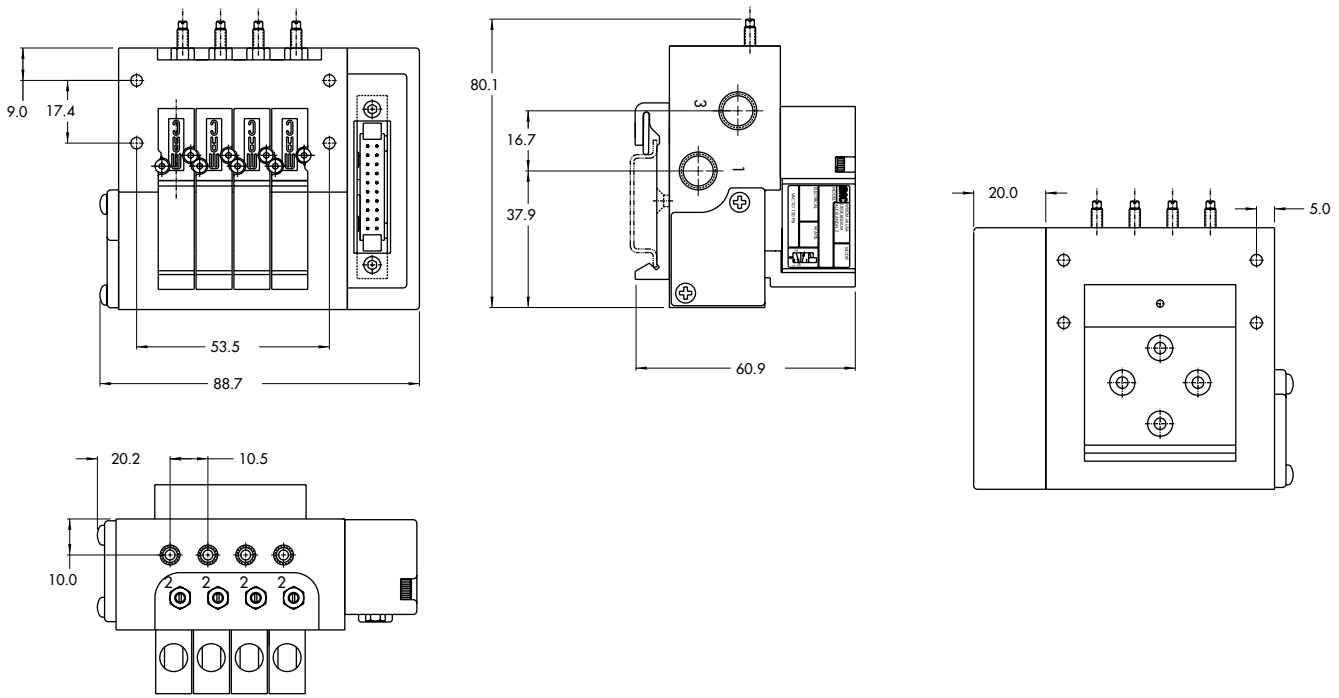
Note: Left and right end is determined by facing conduit passage.

**TECHNICAL
DATA**

Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Vacuum to 120 PSI
Lubrication :	Not required, if used select a medium aniline point lubricant (between 180°F and 210°F)
Filtration :	40 µ
Temperature range :	0°F to 120°F (-18°C to +50°C)
Orifice :	1.8 mm
Flow (at 6 bar, ΔP=1bar) :	4 W : 0.11C _v , 2.5 W : 0.09C _v , 1.8 W : 0.06C _v
Leak rate :	50 cm ³ /min
Coil :	General purpose class A, continuous duty, encapsulated
Voltage range :	-15% to +10% of nominal voltage
Power :	4 W - 2.5 W - 1.8 W
Response times :	Energize : 4 ms
(with 4 W coil)	De-energize : 1.5 ms

- Note :
 - Valve and coil are not interchangeable.
- Spare parts :
 - Seal between valve and bar : 16595. • Mounting screw (x2) : 35031. • Blanking plate : M-34005.
 - Base wire Plug-in protector : 24180.
- Options :
 - Isolation of inlet and/or exhaust. • BSPP Threads.

DIMENSIONS





Section 2

Options



0 p t i o n s

Codification table for voltages / Manual operator / Electrical connection

VALVE CODE ➤

-GXX X - X XX
1 2 3 4

OPTIONS AVAILABLE FOR

- solenoid valves 34 & 44 Series

1. VOLTAGE (type 34 Series)		1. VOLTAGE (type 44 Series)	
-G XX X - X XX	VOLTAGE	-G XX X - X XX	VOLTAGE
DC	24 VDC (1,8 W)	DA	24 VDC (1,0 W)
DD	24 VDC (2,5 W)	DC	24 VDC (1,8 W)
DE	24 VDC (3,0 W)	DD	24 VDC (2,5 W)
DF	24 VDC (4,0 W)	DF	24 VDC (4,0 W)
DJ	12 VDC (1,8 W)	DG	12 VDC (1,0 W)
DK	12 VDC (2,5 W)	DJ	12 VDC (1,8 W)
DM	12 VDC (3,0 W)	DK	12 VDC (2,5 W)
DN	12 VDC (4,0 W)	DN	12 VDC (4,0 W)

2. WIRE LENGTH (Common options for 34 & 44 Series)	
-G XX X - X XX	WIRE LENGTH
A	18"
B	24"
C	36"
D	48"
E	72"
F	96"
G	120"
H	144"

3. MANUAL OPERATOR (COMMON OPTIONS FOR 34 & 44 SERIES)

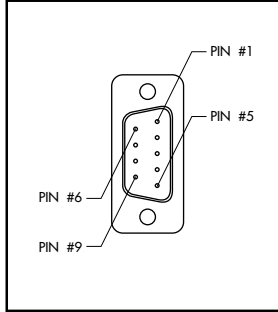
-G XX X - X XX	MANUAL OPERATOR
1	Non-locking recessed
3	Non-locking extended

4. ELECTRICAL CONNECTION (COMMON OPTIONS FOR 34 & 44 SERIES)

-G XX X - X XX	NO CONNECTOR
BA	Flying leads
BB	BA with ground wire
BC	BA with light
BD	BA with light and ground wire
BE	BA with suppression diode
BF	BA with suppression diode and ground wire
BG	BA with suppression diode and light
BH	BA with suppression diode, light and ground wire
BN	BA with suppression diode and blocking diode
BP	BA with suppression diode, blocking diode and ground wire
BR	BA with suppression diode, blocking diode and light
BS	BA with suppression diode, blocking diode, light and ground wire
BT	BA with light
BU	BA with light and ground wire
BV	BA with suppression diode and light
BW	BA with suppression diode, light and ground wire
BX	BA with suppression diode, blocking diode and light
BY	BA with suppression diode, blocking diode, light and ground wire

-G XX X - X XX	PLUG-IN CONNECTOR
KA	Mini connector with flying leads
KB	KA with ground wire
KE	KA with suppression diode
KF	KA with suppression diode and ground wire
KJ	Mini connector for KA option
KM	Mini connector for KB option
KN	KA with suppression diode and blocking diode
KP	KA with suppression diode, blocking diode and ground wire
KT	KA with light
KU	KA with light and ground wire
KV	KA with suppression diode and light
KW	KA with suppression diode, light and ground wire
KX	KA with suppression diode, blocking diode and light
KY	KA with suppression diode, blocking diode, light and ground wire

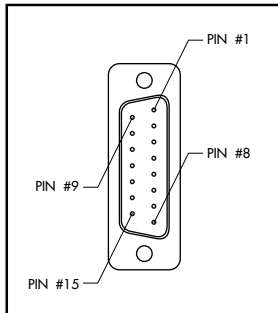
MOD. S009



TECHNICAL DATA

- Type «SUB_D»
- Number of contacts : 9
- Solder termination (Dia. 0.6 mm/0.14 mm²/26-22 AWG)
- Operating current 5 A/contact
- Rated voltage 125 V~
- Temp. range -40° to +125°C
- Insulation resistance ≥ 5.0⁹ Ω
- Protection class IP40 (DIN 40050)
- Number of solenoids : 7 max.
- Max. 24 V=/5.4 W per solenoid
- 2 common wires

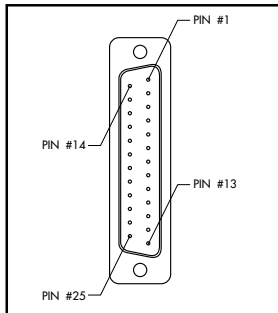
MOD. S015



TECHNICAL DATA

- Type «SUB_D»
- Number of contacts : 15
- Solder termination (Dia. 0.6 mm/0.14 mm²/26-22 AWG)
- Operating current 5 A/contact
- Rated voltage 125 V~
- Temp. range -40° to +125°C
- Insulation resistance ≥ 5.0⁹ Ω
- Protection class IP40 (DIN 40050)
- Number of solenoids : 12 max.
- Max. 24 V=/5.4 W per solenoid
- 3 common wires

MOD. S025



TECHNICAL DATA

- Type «SUB_D»
- Number of contacts : 25
- Solder termination (Dia. 0.6 mm/0.14 mm²/26-22 AWG)
- Operating current 5 A/contact
- Rated voltage 125 V~
- Temp. range -40° to +125°C
- Insulation resistance ≥ 5.0⁹ Ω
- Protection class IP40 (DIN 40050)
- Number of solenoids : 20 max.
- Max. 24 V=/5.4 W per solenoid
- 5 common wires

Note : Use desired MOD. number after circuit bar part number

Connector termination details

