ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

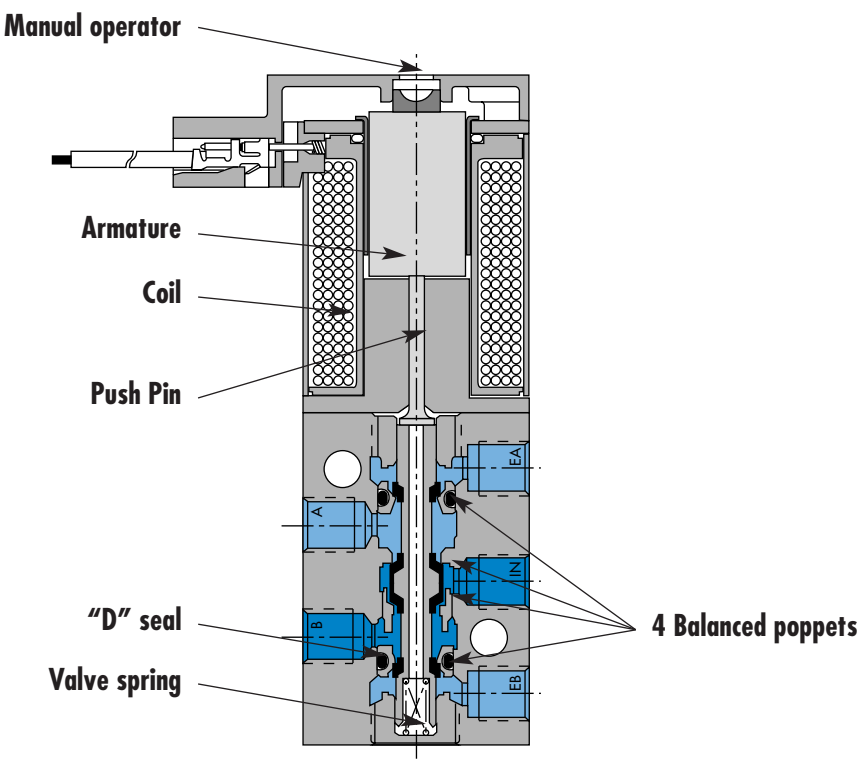
Find the *MAC 44C-AAA-GDCA-1KV* at our website: ***Click HERE***

Individual mounting

Inline

Series

33
34
36
32
37
38
52
67
69
44
46
42
47
48P
48
400
92
93
ISO 01
ISO 02
ISO 1
ISO 2
ISO 3



SERIES FEATURES

- High force MACSOLENOID®.
- 10mm direct operated.
- # 10-32 or M5 ports.
- Rated for lubricated or non-lubricated service.

Consult "Precautions" page 327 before use, installation or service of MAC Valves..

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Function	Port size	Flow (Max)	Individual Mounting	Series
5/2	**M5, # 10-32**	**0.1 C_v**	Inline	

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

SOLENOID OPERATOR

Port size	Universal valve	For use with external flow controls
		
M5	44C-ABA-G ***XXX-XXX***	44C-BBA-G ***XXX-XXX***
# 10-32	44C-AAA-G ***XXX-XXX***	44C-BAA-G ***XXX-XXX***

LATCHING SOLENOID

Port size	Universal valve	For use with external flow controls
		
M5	44B-ABA-L ***XXX-XXX***	44B-BBA-L ***XXX-XXX***
# 10-32	44B-AAA-L ***XXX-XXX***	44B-BAA-L ***XXX-XXX***

SOLENOID OPERATOR ➤ G ***XXX-XXX****

XX	Voltage
AA	120 VAC (2.5W)
DC	24 VDC (1.8W)
DD	24 VDC (2.5W)
DF	24 VDC (4.0W)

X	Wire length
A	18″
B	24″

X	Manual operator
1	Non-locking recessed
2	Locking recessed

XX	Electrical connection
BA	Flying leads
BT	Flying leads with light
GA	MAC JAC Solenoid Plug-in
KA	Plug-in wire assembly.
KC	Plug-in wire assembly with rectifier & light
KT	Plug-in wire assembly with light

* Other options available, see page 311.
Note : AC voltage requires connector with rectifier

LATCHING SOLENOID ➤ L ***XXX-XXX****

XX	Voltage
DF	24 VDC (4.0W)
HA	24 VDC (1.95W)

X	Wire length
A	18″
B	24″
C	36″

X	Manual operator
0	No operator

XX	Electrical connection
BA	2 Wire flying leads
BJ	4 Wire flying leads
KA	2 Wire plug-in assembly
KE	4 Wire plug-in assembly
LA	3 Wire plug-in assembly (Polarity switching cover)

* Other options available, see page 319.

33
34
36
32
37
38
52
67
69
44
46
42
47
48P
48
400
92
93
ISO 01
ISO 02
ISO 1
ISO 2
ISO 3

Consult "Precautions" page 327 before use, installation or service of MAC Valves..

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

MAC

Series 44

100% OF PRODUCTION TESTED 100%

WARRANTY 18 MONTHS

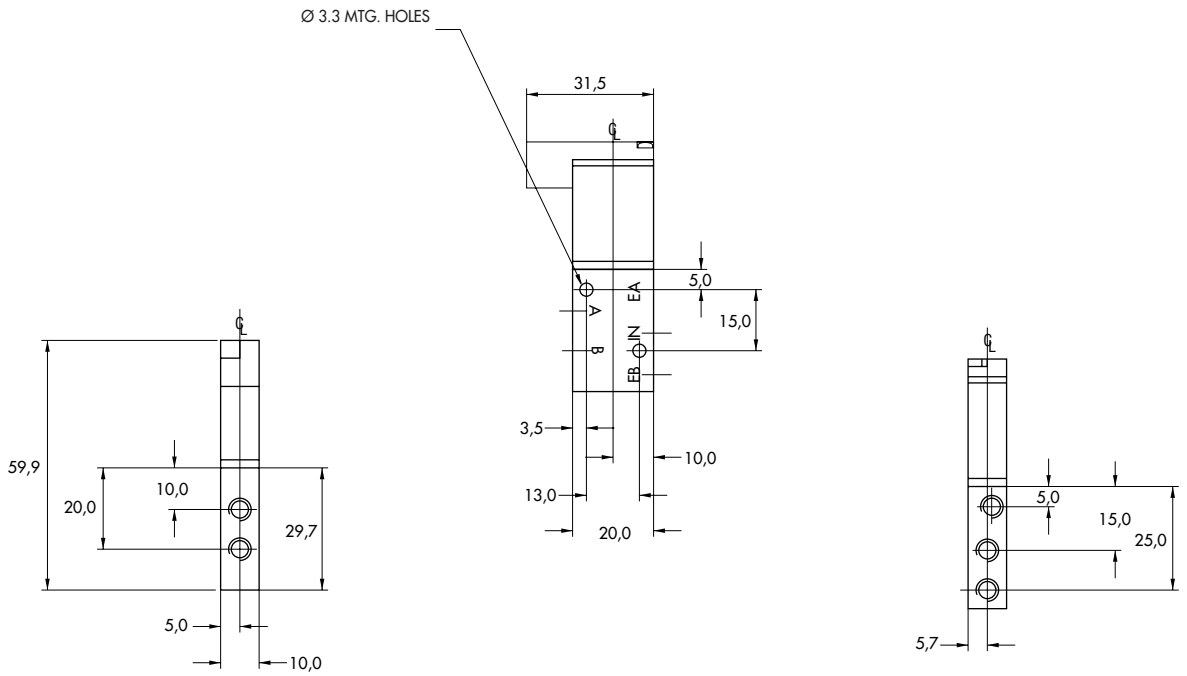
TECHNICAL DATA

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)
Flow :	4 W : (0.10 C_v) – 2.5 W : (0.08 C_v) – 1.8 W : (0.06 C_v) – 1.0W : (0.05 C_v)
Coil :	Class A wire (#22 AWG x 18), continuous duty
Voltage range :	-15% to +10% of nominal voltage
Power :	4 W – 2.5 W – 1.8 W – 1.0 W
Response times : (with 4 W coil)	Energize : 3.4 ms De-energize : 1.5 ms

Note : • Valve and coil are not interchangeable.

DIMENSIONS

Dimensions shown are metric (mm)



Consult "Precautions" page 327 before use, installation or service of MAC Valves..

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

OPTIONS

Codification table for voltages / Manual operator / Electrical connection

VALVE CODE ➤ **G XX X-X XX**
1 2 3 4

OPTIONS AVAILABLE FOR
- Solenoid valves 32, 34, 38, 42, 44 & 48 Series

Consult "Precautions" page 327 before use, installation or service of MAC Valves..

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

MAC

OPTIONS

1. VOLTAGE

G-XX X-X XX	VOLTAGE
AA	120 VAC (2.5W) Requires electrical connector with rectifier
AC	24 VAC (4.0W) Requires electrical connector with rectifier
DA	24 VDC (1.0W)
DC	24 VDC (1.8W)
DD	24 VDC (2.5W)
DE	24 VDC (3.0W)
DF	24 VDC (4.0W)
DG	12 VDC (1.0W)
DJ	12 VDC (1.8W)
DK	12 VDC (2.5W)
DM	12 VDC (3.0W)
DN	12 VDC (4.0W)
DR	6 VDC (1.8W)
DS	6 VDC (3.0W)
EB	48 VDC (1.8W)
EC	48 VDC (3.0W)
ED	120 VDC (2.5W)
GD	12 VDC (0.5W) 34 series only
GE	24 VDC (0.5W) 34 series only

2. WIRE LENGTH

G-XX X-X XX	WIRE LENGTH
0	No lead wires (used only with "KJ" & "KM" connectors)
A	18" coil leads
B	24" coil leads
C	36" coil leads
D	48" coil leads
E	72" coil leads
F	96" coil leads
G	120" coil leads
H	144" coil leads
1	18" base leads
2	24" base leads
3	36" base leads
4	48" base leads
5	72" base leads
6	96" base leads
7	120" base leads

3. MANUAL OPERATOR

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

4. ELECTRICAL CONNECTION

G-XX X-X XX	ELECTRICAL CONNECTION
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 suppresion diode, blocking diode and light
BS	BA with suppression diode, blocking diode, light and ground wire
GA	MAC JAC Solenoid plug-in
GB	MAC JAC Solenoid plug-in w/Diode
GC	MAC JAC Solenoid plug-in w/MOV
GD	MAC JAC Solenoid plug-in w/LED
GE	MAC JAC Solenoid plug-in w/Diode & LED
GF	MAC JAC Solenoid plug-in w/MOV & LED
GG	MAC JAC Solenoid plug-in w/Rectifier
GH	MAC JAC Solenoid plug-in w/Rectifier & LED
KA	Solenoid plug-in wire assembly
KB	KA with ground
KC	KA with rectifier and light
KD	KA with rectifier, light and ground
KE	KA with suppression diode
KF	KA with suppression diode and ground
KJ	Solenoid plug-in housing without wire assembly
KM	Solenoid plug-in housing with ground pin without wire assembly
KN	KA with suppression diode and blocking diode
KP	KA with suppression diode, blocking diode and ground
KT	KA with light
KU	KA with light and ground
KV	KA with suppression diode and light
KW	KA with suppression diode, light and ground
KX	KA with suppression diode, blocking diode and light
KY	KA with suppression diode, blocking diode, light & ground

ELECTRICAL CONNECTION FOR PLUG-IN VALVES

G-XX X-X XX	PLUG-IN OPTIONS
SB	Base plug-in with ground
SC	Base plug-in with suppression and blocking diode
SD	Base plug-in with suppression and blocking diode and ground
SE	Base plug-in with MOV
SF	Base plug-in with MOV and ground
SG	Base plug-in with rectifier
SH	Base plug-in with rectifier and ground
SK	Base plug-in with light and ground
SL	Base plug-in with suppression and blocking diode and light
SM	Base plug-in with suppression and blocking diode with light and ground
SN	Base plug-in with MOV and light
SP	Base plug-in with MOV and light with ground
SR	Base plug-in with rectifier and light

Consult "Precautions" page 327 before use, installation or service of MAC Valves..

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

OPTIONS

Codification table for voltages / Manual operators / Electrical connections

VALVE CODE ➤ **L XX X-X XX**
1 2 3 4

OPTIONS AVAILABLE FOR

- Solenoid valves 32, 38, 42, 44, 47 & 48 Series

Consult "Precautions" page 327 before use, installation or service of MAC Valves..

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

MAC

OPTIONS

1. VOLTAGE (32, 38, 42, 44, 48 SERIES)

L- XX X-X XX	VOLTAGE
DF	24VDC (4.0W)
DN	12VDC (4.0W)
HA	24VDC (1.95W)
HE	12VDC (1.95W)

1. VOLTAGE (47 SERIES)

L- XX X-X XX	VOLTAGE
DA	24VDC (5.2W)
DF	12VDC (5.2W)

2. WIRE LENGTH (all series)

L- XX X-X XX	WIRE LENGTH
0	No lead wire
A	18"
B	24"
C	36"
D	48"
E	72"
F	96"
G	120"
H	144"

3. MANUAL OPERATOR (all series)

L- XX X-X XX	MANUAL OPERATOR
0	No operator

4. ELECTRICAL CONNECTOR (32, 38, 42, 44 & 48 series)

L-XX X-X XX	NON PLUG-IN
BA	2 wire flying leads
BB	2 wire flying leads with ground wire
BC	2 wire flying leads with light
BD	2 wire flying leads with light & ground wire
BJ	4 wire flying leads
BK	4 wire flying leads with ground
BL	4 wire flying leads with light
BM	4 wire flying leads with light & ground wire
KA	2 wire plug-in assembly
KB	2 wire plug-in assembly with ground wire
KC	2 wire plug-in assembly with light
KD	2 wire plug-in assembly with light and ground wire
KE	4 wire plug-in assembly
KF	4 wire plug-in assembly with ground wire
KG	4 wire plug-in assembly with light
KH	4 wire plug-in assembly and ground wire
LA	3 wire plug-in assembly (polarity switching cover)
L-XX X-X XX	**PLUG-IN**
*DA	Base plug-in
*DB	Base plug-in with ground pin
*DC	Base plug-in with light
*DD	Base plug-in with light & ground pin
**EA	Base plug-in 3 pin (Plarity switching cover)

* Use these options for plug-in base with 2 or 4 wire assemblies

** Use this option for plug-in bases with 3 wire assemblies

4. ELECTRICAL CONNECTOR (47 series)

L- XX X-X XX	NON PLUG-IN
BA	2 wire flying leads
BB	2 wire flying leads with ground wire
BC	2 wire flying leads with light
BD	2 wire flying leads with light & ground wire
BJ	4 wire flying leads
BK	4 wire flying leads with ground
BL	4 wire flying leads with light
BM	4 wire flying leads with light & ground wire
LA	3 wire plug-in assembly (Plarity switching cover)
MA	2 wire plug-in assembly
MB	2 wire plug-in assembly with ground wire
MC	2 wire plug-in assembly with light
MD	2 wire plug-in assembly with light and ground wire
ME	4 wire plug-in assembly
MF	4 wire plug-in assembly with ground wire
MG	4 wire plug-in assembly with light
MH	4 wire plug-in assembly with light and ground wire
L- XX X-X XX	**PLUG-IN**
EA	Base plug-in 3 pin (Polarity switching cover)
FA	Base plug-in with ground
FB	Base plug-in with ground & light
FC	Base plug-in 4 wire with ground
FD	Base plug-in 4 wire with light & ground

Consult "Precautions" page 327 before use, installation or service of MAC Valves..

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP