

Handhabungstechnik
Motore & Getriebe
Pneumatik
Hydraulik
Systemlösungen

as-tec
Mechatronik GmbH

Produktkatalog

MAC 3/2 Wegeventile

Serie 68 - 1" bis 1 1/2"



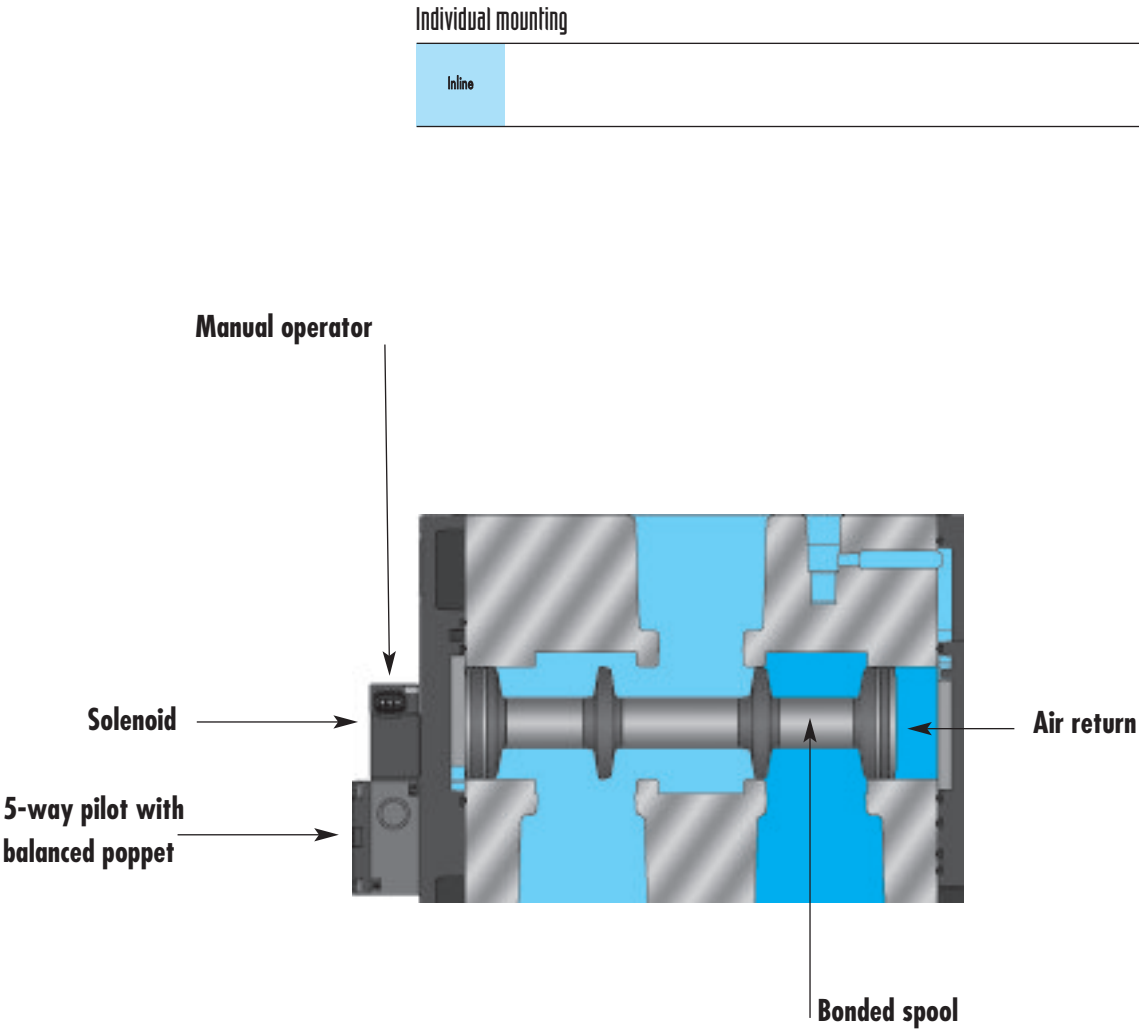
Über Uns

Die Firma **as-tec Mechatronik GmbH** ist ein herstellerunabhängiger Lieferant von Systemlösungen und Komponenten für pneumatische, hydraulische und elektrische Antriebs- und Steuerungstechnik.

Wir bieten unseren Kunden für ihre Projekte im Maschinen- und Anlagenbau, beziehungsweise für die Instandhaltung ihrer Fertigungseinrichtungen die am besten geeigneten Produkte aus unserem herstellerübergreifenden Produktportfolio.

In unserer Werkstätte produzieren wir kundenspezifische Lösungen wie zum Beispiel Ventileinheiten, Schaltschränke und Sonderzylinder. Weiters halten wir sowohl Standardkomponenten als auch speziell für Kunden bevorratete Produkte auf Lager.





SERIES FEATURES

- The 4-way pilot develops maximum shifting forces both ways.
- Balanced spool, immune to variations of pressure.
- Bonded spool with minimum frictions, shifting in a glass-like finished bore.
- Pilot with balanced poppet, high flow, short and consistent response times.
- Memory spring available.

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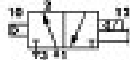
Function	Port size	Flow [Max]	Individual mounting	Series
3/2, 2/2	G1"-G1 1/4"-G1 1/2"	31000 NI/min	Inline	

OPERATIONAL BENEFITS

1. The 4-way pilot develops maximum shifting forces both ways.
2. Balanced spool, immune to variations of pressure, also provides high flow.
3. Bonded spool with minimum friction, shifting in a glass like finished bore
4. Pilot with balanced popet, high flow, short and consistent response times.



HOW TO ORDER

Port size	Pilot air	Single operator NC	Single operator NO	Single operator Universal valve
				
G1"	Internal	68A-A1-DAA-Jxxx-xxx	68A-C1-DAA-Jxxx-xxx	-
	External	68A-A1-DAB-Jxxx-xxx	68A-C1-DAB-Jxxx-xxx	68A-G1-DAB-Jxxx-xxx
G1 1/4"	Internal	68A-A1-EAA-Jxxx-xxx	68A-C1-EAA-Jxxx-xxx	-
	External	68A-A1-EAB-Jxxx-xxx	68A-C1-EAB-Jxxx-xxx	68A-G1-EAB-Jxxx-xxx
G1 1/2"	Internal	68A-A1-FAA-Jxxx-xxx	68A-C1-FAA-Jxxx-xxx	-
	External	68A-A1-FAB-Jxxx-xxx	68A-C1-FAB-Jxxx-xxx	68A-G1-FAB-Jxxx-xxx

SOLENOID OPERATOR ➤

J XXX-XXX**			
XX Voltage	X Wire length	X Manual operator	XX Electrical connection
AA* 120V~/5.4W	0 No lead wire	0 No operator	BA Flying leads
AC* 24V~/5.4W	A 45 cm	1 Recessed - Non locking	GA MAC JAC Solenoid plug-in
DA 24V=/5.4W	B 60 cm	2 Recessed - Locking	GB MAC JAC Solenoid plug-in with diode
DB 12V=/5.4W	C 90 cm	3 Extended - Non locking	GH MAC JAC Solenoid plug-in with rectifier and LED
DC 24V=/2.4W	D 120 cm	4 Extended - Locking	JB Rectangular connector
DD 12V=/2.4W	E 180 cm		JD Rectangular connector with light
DE 24V=/1.8W	F 240 cm		KA Mini square plug-in
DF 12V=/1.8W			KB Mini square plug-in with diode
			KH Mini square plug-in with rectifier & light

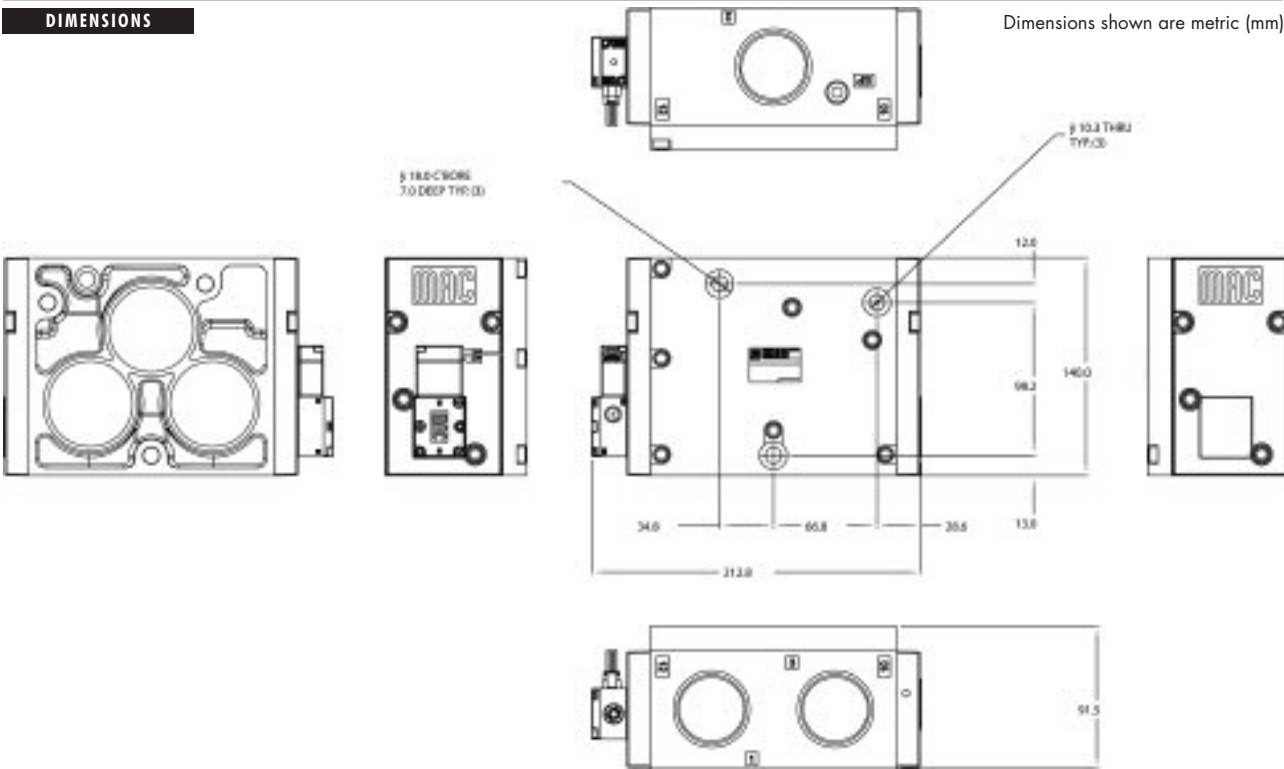
* Note: AC voltage requires connector with rectifier

** Other options available, see page 393.

OPTIONS

Pilot exhaust: 68A-xx-x-Xx-Jxxx-xxx (G)	
	G Ground wire / pin
	A Standard Pilot exhaust
	B Pilot exhaust out main exhaust

TECHNICAL DATA	
Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Internal pilot: 1,3 to 8 bar External pilot: Vacuum to 8 bar
Pilot pressure :	1,3 to 8 bar
Lubrication :	Not required, if used select a medium aniline point lubricant (between 80°C and 100°C)
Filtration :	40 µ
Temperature range :	-18°C to +50°C
Flow :	31000 NI/min (Cv 31.0)
Power :	5.4 to 1.8 W
Voltage range:	-15% to +10% of nominal voltage
Options :	• NPTF threads



Direct solenoid and solenoid pilot operated valves

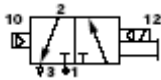
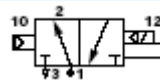
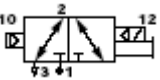
Function	Port size	Flow [Max]	Individual Mounting	Series
3/2, 2/2	1", 1 1/4", 1 1/2"	31.0 Cv	Inline	68

OPERATIONAL BENEFITS

1. The 4-way pilot develops maximum shifting forces both ways.
2. Balanced spool, immune to variations of pressure, also provides high flow.
3. Bonded spool with minimum friction, shifting in a glass like finished bore
4. Pilot with balanced poppet, high flow, short and consistent response times.



HOW TO ORDER

Port size	Pilot air	Single operator NC	Single operator NO	Single operator Universal valve
				
1" NPTF	Internal	68A-A1-AAA-Jxxx-xxx	68A-C1-AAA-Jxxx-xxx	-
	External	68A-A1-AAB-Jxxx-xxx	68A-C1-AAB-Jxxx-xxx	68A-G1-AAB-Jxxx-xxx
1 1/4" NPTF	Internal	68A-A1-BAA-Jxxx-xxx	68A-C1-BAA-Jxxx-xxx	-
	External	68A-A1-BAB-Jxxx-xxx	68A-C1-BAB-Jxxx-xxx	68A-G1-BAB-Jxxx-xxx
1 1/2" NPTF	Internal	68A-A1-CAA-Jxxx-xxx	68A-C1-CAA-Jxxx-xxx	-
	External	68A-A1-CAB-Jxxx-xxx	68A-C1-CAB-Jxxx-xxx	68A-G1-CAB-Jxxx-xxx

SOLENOID OPERATOR ➤

J XX X - X XX

XX Voltage	X Wire length	X Manual operator	XX Electrical connection
AA* 120VAC (5.4W) AC* 24VAC (5.4W) DA 24VDC (5.4W) DB 12VDC (5.4W) DC 24VDC (2.4W) DD 12VDC (2.4W) DE 24VDC (1.8W) DF 12VDC (1.8W)	0** No lead wire A 18" B 24" C 36" D 48" E 72" F 96"	0 No operator 1 Recessed – Non locking 2 Recessed - Locking 3 Extended – Non locking 4 Extended - Locking	BA Flying leads GA MAC JAC Solenoid plug-in GB MAC JAC Solenoid plug-in with diode GH MAC JAC Solenoid plug-in with rectifier and LED JB Rectangular connector JD Rectangular connector with light KA Mini square plug-in KB Mini square plug-in with diode KH Mini square plug-in with rectifier & light

* AC voltage requires connector with rectifier
 ** For use with "J", "K", and "L" type electrical connectors

OPTIONS

Pilot exhaust: 68A-xx-x**X**x-Jxxx-xxx (-**G**)

G Ground wire / pin

A Standard Pilot exhaust
B Pilot exhaust out main exhaust

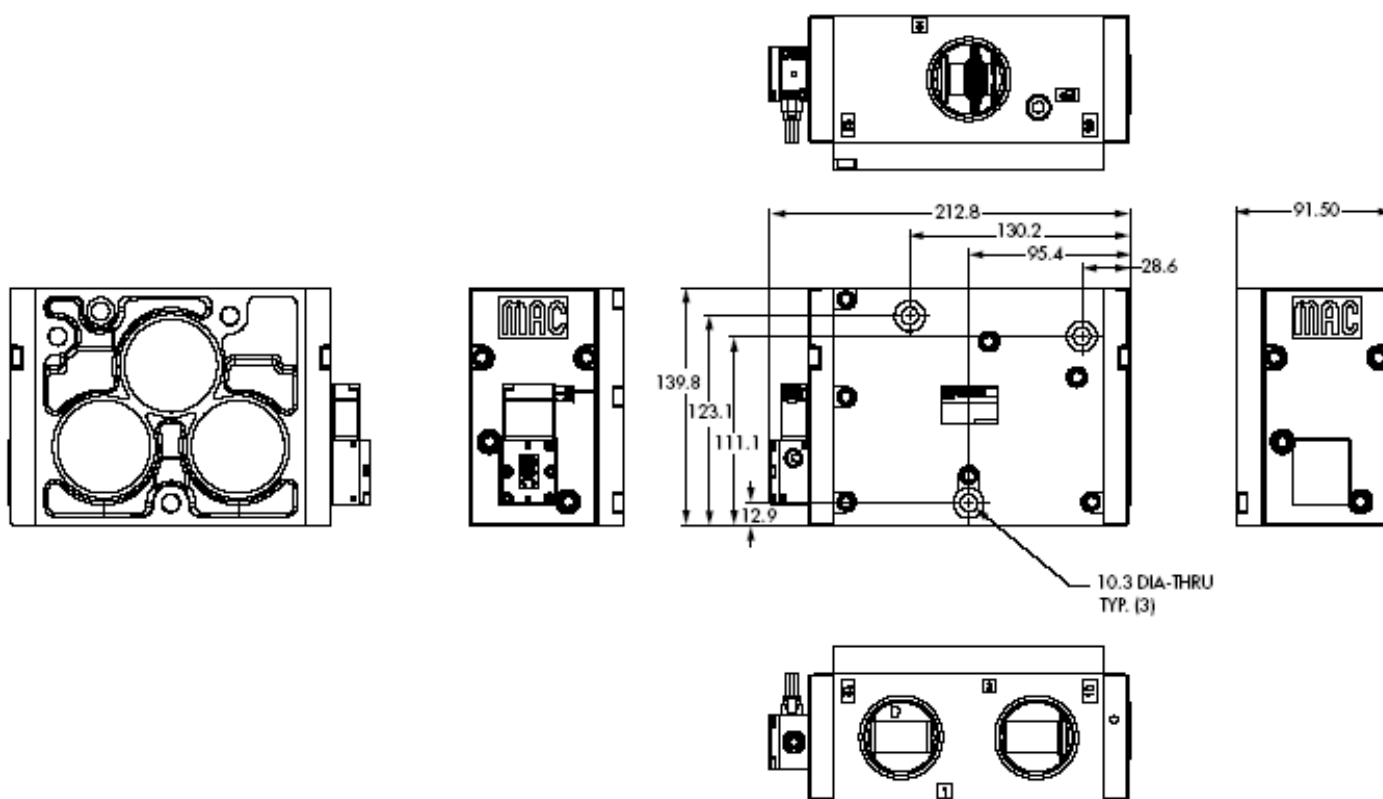
Direct solenoid and solenoid pilot operated valves

TECHNICAL DATA

Fluid:	Compressed air, vacuum, inert gases
Pressure range:	Internal pilot: 20 to 120 PSI External pilot: Vacuum to 120 PSI
Pilot pressure:	20 to 120 PSI
Lubrication:	Not required, if used select a medium aniline point lubricant (between 180°F and 210°F)
Filtration:	40μ
Temperature range:	0°F to 120°F
Flow:	Cv 31.0
Power:	5.4 to 1.8 W
Voltage range:	-15% to +10% of nominal voltage

Options: BSPP threads

DIMENSIONS



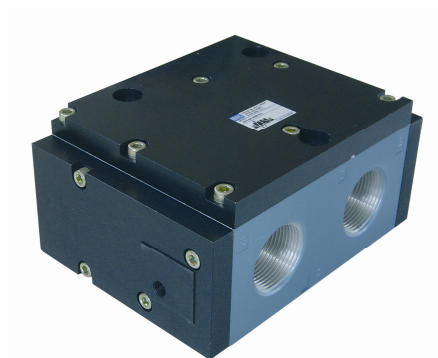


Remote air valves

Function	Port size	Flow [Max]	Individual mounting
3/2, 2/2	1", 1 1/4", 1 1/2"	31.0 C_v	Inline

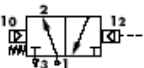
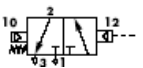
OPERATIONAL BENEFITS

1. Balanced spool, immune to variations of pressure, also provides high flow.
2. Bonded spool with minimum friction, shifting in a glass-like finished bore.
3. Wiping effect eliminates sticking
4. Long service life

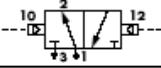
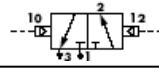


HOW TO ORDER

SINGLE OPERATOR

Port size	Air spring	Single operator NO Valve	Single operator NC Valve
			
1" NPTF	Internal	68A-C3-ARA-RA	68A-A3-ARA-RA
1 1/4" NPTF		68A-C3-BRA-RA	68A-A3-BRA-RA
1 1/2" NPTF		68A-C3-CRA-RA	68A-A3-CRA-RA
1" NPTF	External	68A-C3-ARB-RE	68A-A3-ARB-RE
1 1/4" NPTF		68A-C3-BRB-RE	68A-A3-BRB-RE
1 1/2" NPTF		68A-C3-CRB-RE	68A-A3-CRB-RE

DOUBLE OPERATOR

Port size	Double operator NO Valve	Double operator NC Valve
		
1 " NPTF	68A-D4-ARB-RA	68A-B4-ARB-RA
1 1/4" NPTF	68A-D4-BRB-RA	68A-B4-BRB-RA
1 1/2" NPTF	68A-D4-CRB-RA	68A-B4-CRB-RA



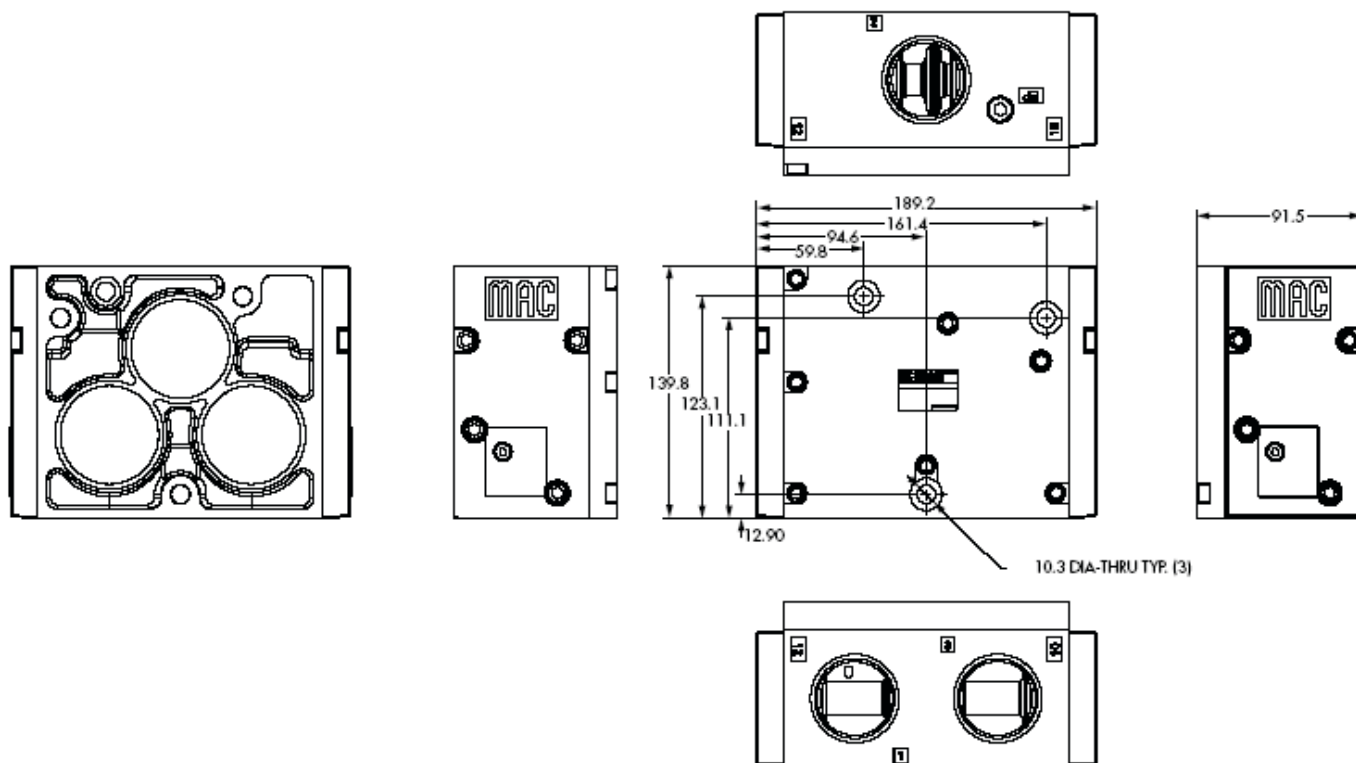
Series 68

Remote air valves

TECHNICAL DATA

Fluid:	Compressed air, vacuum, inert gases
Pressure range:	Vacuum to 120 PSI
Air signal pressure:	20 to 120 PSI (Must be $\geq$ main valve pressure)
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:	33,4 mm
Flow:	Cv 31.0

DIMENSIONS



Notizen

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