

AM - JM SERIES

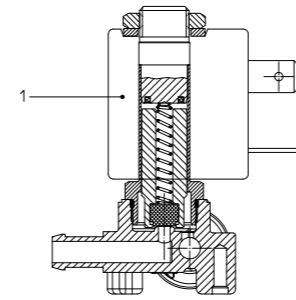
Food Grade NSF, Direct Acting

AM and **JM** are direct acting solenoid valves. The fixed core and armature tube are welded together to enhance pressure resistance and leak-tightness. Valves do not require a minimum operating pressure. A large selection of seal materials provides wide chemical compatibility. AC/DC interchangeability of the coil is possible for both NC and NO configurations.

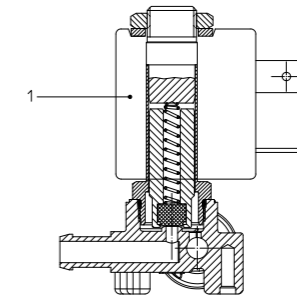
Your Gateway to Excellence



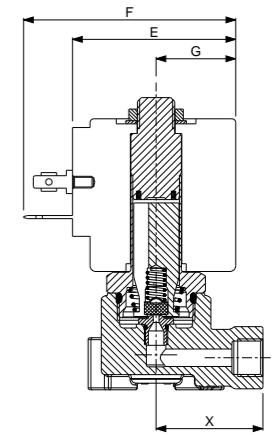
JM SERIES



JM SERIES, DC VERSION



AM SERIES



Solenoid Valves ■ General purpose ■ Food Grade NSF ■ **AM - JM SERIES**

TECHNICAL DATA

PORT CONNECTION	G 1/8 (F), G1/8 (M), Hose connection Ø6, fast fitting, push in	
SEALING MATERIALS	FKM	EPDM*
FLUID TEMPERATURE	-10°C +140°C	-10°C +140°C
FLUIDS	Air, water, inert gas, steam	Water, inert gas, steam
VISCOSITY	12 cSt up to orifice 1.5 mm, 37 cSt for orifice 2.0 and 2.3 mm, 53 cSt for orifice 2.5 mm and above	
TUBE Ø - COIL WIDTH - SERIES	JM-AM	ø 10 mm - 22 mm LBA05, LTA05 (class F), LBV05 (class H)
	JM-AM	ø 10 mm - 22 mm LBV08 (class H), ED 50%
	AM	ø 13 mm - 30 mm BDA08, BVA08 (class F), BDV08 (class H)
INSTALLATION	as required, preferably with actuator upright	
PROTECTION DEGREE	IP65 EN 60529 (DIN 40050) with plug connector	

* Available on request with minimum order quantity.

MATERIALS

BODY	PPS
ORIFICE	For JM series: PPS For AM series: stainless steel
ARMATURE TUBE	Stainless steel AISI series 300
FIXED CORE	Stainless steel AISI series 400
PLUNGER	Stainless steel AISI series 400
PHASE DISPLACEMENT RING	Gold plated copper
SPRING	Stainless steel AISI series 300
SEALING	V=FKM, E=EPDM

V = FKM+EPDM for valves with PPS body and PUSH IN connections.

■ **CE**

- 2014/35/EU (LVD)
- 2014/30/EU (EMC)
- 2014/68/EU (PED)
art. 4.3 up to 1"

■ **UL** recognized and **VDE, CSA**

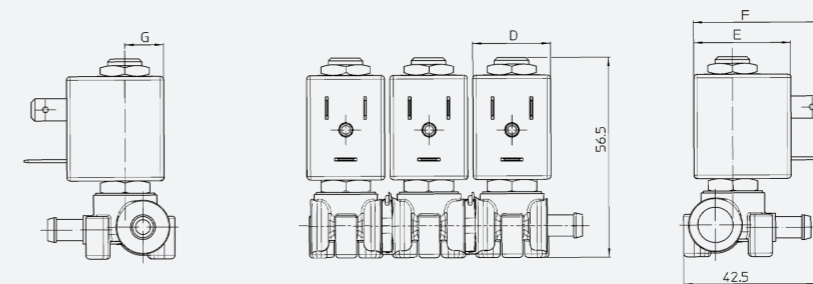
approved coils are available for this series, please refer to coil section.

■ **NSF/ANSI 169** certification (Special Food Equipment and Devices) is available for this series, please refer to coil section.

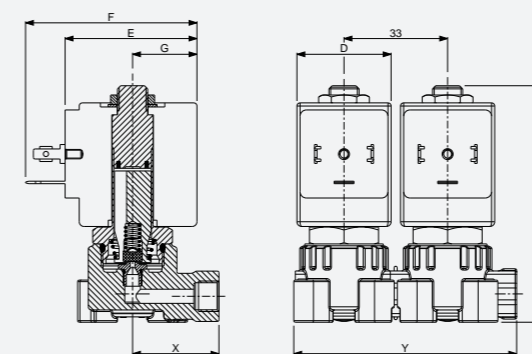
is available for this series, please refer to coil section. Valves with NSF approval are in compliance with CE regulation 1935/2004.

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DRAWING 1



DRAWING 2



SERIES	DIMENSIONS [mm]					
	D	E	F	G	X	Y
JM SERIES	22	28±1	39,5	11	-	-
AM SERIES	30	42	54	20,5	27,5	71 (G1/8 F) 74,5 (hose conn.)

■ The fluids listed in the "technical data" tables should be considered as a recommendation. Please check the chemical compatibility of the fluids with the materials of the valve at RFQ stage.
■ G type thread in accordance with ISO 228/1.
■ For spare parts list please refer to the dedicated chapter.

JM SERIES

PIPE	ORIFICE SIZE [mm]	Kv [l/min]	COIL SERIES	PRESSURE [bar]			
				MIN.	MOPD		PS
					AC	DC	
REF. TO CODIFICATION TABLE	1,2	0,7	L**05	0	15	15	16
	1,5	1,1	L**05	0	15	15	16
	2	1,8	L**05	0	15	8	16
	2,3	2,3	L**05	0	15	6	16
	2,6	2,4	L**05	0	10	3,5	16

JM SERIES, DC VERSION

PIPE	ORIFICE SIZE [mm]	Kv [l/min]	COIL SERIES	PRESSURE [bar]			
				MIN.	MOPD		PS
					AC	DC	
REF. TO CODIFICATION TABLE	1,2	0,7	L**05	0	-	15	16
	1,5	1,1	L**05	0	-	15	16
	1,8	1,6	L**05	0	-	12	16
	1,8	1,6	LBV08*	0	-	16	16
	2	1,8	L**05	0	-	8	16
	2	1,8	LBV08*	0	-	16	16
	2,3	2,3	L**05	0	-	6	16
	2,6	2,4	L**05	0	-	3,5	16

*LBV08 has ED50%. Please refer to coil chapter for further details.

AM SERIES

PIPE	ORIFICE SIZE [mm]	Kv [l/min]	COIL SERIES	PRESSURE [bar]			
				MIN.	MOPD		PS
					AC	DC	
REF. TO CODIFICATION TABLE	1,5	1	B**08	0	16	16	16
	2	1,8	B**08	0	16	16	16
	2,5	2,5	B**08	0	14	9	16
	3	3	B**08	0	10	6	16

- For application with steam or with PS > 16 bar please consult our Technical Service
- The Kv values refer to the orifice and do not take into account any reductions due to the size of the connection pipe
- Max torques: fittings 2 Nm, coil nut assembly 2 Nm, armature tube 4 Nm
- Use fitting seal compatible with body material
- Don't mount the groups with 1 or more elements cantilevered
- Not suitable for vacuum use
- Available on request and with minimum quantities.

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
2	4		M	A	2	V	BD	BD	BD	BD	-	TO

I. NUMBER OF WAYS

2 - 2 - way

II. NUMBER OF ELEMENTS

2 - number of elements
3 - number of elements
4 - number of elements

III. ARMATURE TUBE MATERIAL

Blank - std
6 - AISI (optional, NC element)

IV. SERIES

M - modular JM Series

V. INLET SIDE

A - right inlet
B - left inlet
X - double inlet

VI. INLET CONNECTION

1 - G1/8 (M)
2 - G1/8 (F)
3 - hose connection
4 - fast connection
U - PUSH IN for OD 4 mm
V - PUSH IN for OD 6 mm

VII. SEALING MATERIAL

V - FKM
E - EPDM

VIII. FIRST ELEMENT TYPE

IX. SECOND ELEMENT TYPE

X. THIRD ELEMENT TYPE *

* blank if not used

XI. FOURTH ELEMENT TYPE *

* blank if not used

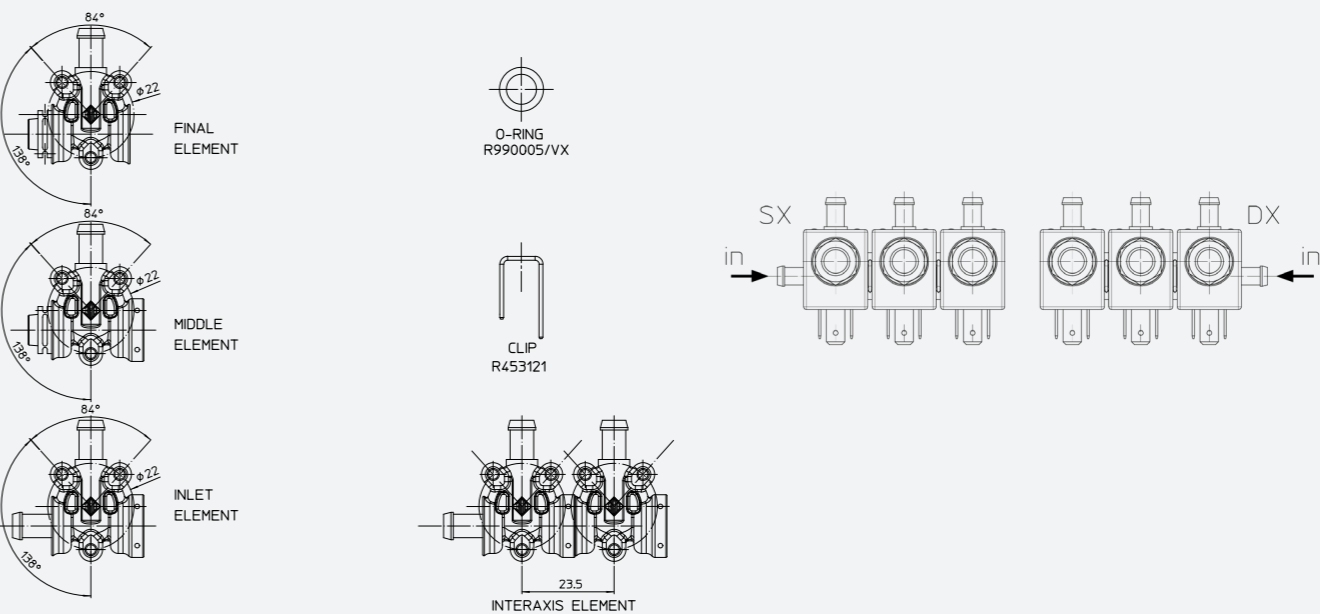
XII. NSF CERTIFICATION

TO - PPS body

OUTLET CONN.	ORIFICE [mm]	VERSION	ELEMENT CODE
G1/8 (F)	1,2	AC, DC	AD
G1/8 (F)	1,5	AC, DC	AO
G1/8 (F)	2	AC, DC	AQ
G1/8 (F)	2,3	AC, DC	AE
G1/8 (F)	2,6	AC, DC	AF
G1/8 (F)	1,2	DC	AG
G1/8 (F)	1,5	DC	AR
G1/8 (F)	1,8	DC	AS
G1/8 (F)	2	DC	AT
G1/8 (F)	2,3	DC	AH
G1/8 (F)	2,6	DC	AI
G1/8 (M)	1,2	AC, DC	BD
G1/8 (M)	1,5	AC, DC	BO
G1/8 (M)	2	AC, DC	BQ
G1/8 (M)	2,3	AC, DC	BE
G1/8 (M)	2,6	AC, DC	BF
G1/8 (M)	1,2	DC	BG
G1/8 (M)	1,5	DC	BR
G1/8 (M)	1,8	DC	BS
G1/8 (M)	2	DC	BT
G1/8 (M)	2,3	DC	BH
G1/8 (M)	2,6	DC	BI
Hose connection	1,2	AC, DC	CD
Hose connection	1,5	AC, DC	CO
Hose connection	2	AC, DC	CQ
Hose connection	2,3	AC, DC	CE
Hose connection	2,6	AC, DC	CF
Hose connection	1,2	DC	CG
Hose connection	1,5	DC	CR
Hose connection	1,8	DC	CS
Hose connection	2	DC	CT
Hose connection	2,3	DC	CH
Hose connection	2,6	DC	CI

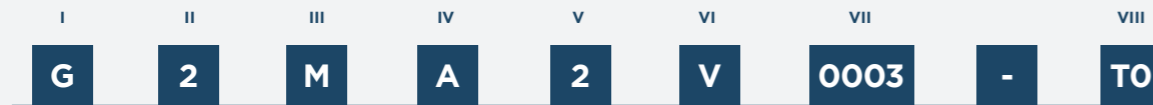
OUTLET CONN.	ORIFICE [mm]	VERSION	ELEMENT CODE
Fast fitting	1,2	AC, DC	DD
Fast fitting	1,5	AC, DC	DO
Fast fitting	2	AC, DC	DQ
Fast fitting	2,3	AC, DC	DE
Fast fitting	2,6	AC, DC	DF
Fast fitting	1,2	DC	DG
Fast fitting	1,5	DC	DR
Fast fitting	1,8	DC	DS
Fast fitting	2	DC	DT
Fast fitting	2,3	DC	DH
Fast fitting	2,6	DC	DI
P.I. Ø4mm	1,2	AC, DC	ED
P.I. Ø4mm	1,5	AC, DC	EO
P.I. Ø4mm	2	AC, DC	EQ
P.I. Ø4mm	2,3	AC, DC	EE
P.I. Ø4mm	2,6	AC, DC	EF
P.I. Ø4mm	1,2	DC	EG
P.I. Ø4mm	1,5	DC	ER
P.I. Ø4mm	1,8	DC	ES
P.I. Ø4mm	2	DC	ET
P.I. Ø4mm	2,3	DC	EH
P.I. Ø4mm	2,6	DC	EI
P.I. Ø6mm	1,2	AC, DC	FD
P.I. Ø6mm	1,5	AC, DC	FO
P.I. Ø6mm	2	AC, DC	FQ
P.I. Ø6mm	2,3	AC, DC	FE
P.I. Ø6mm	2,6	AC, DC	FF
P.I. Ø6mm	1,2	DC	FG
P.I. Ø6mm	1,5	DC	FR
P.I. Ø6mm	1,8	DC	FS
P.I. Ø6mm	2	DC	FT
P.I. Ø6mm	2,3	DC	FH
P.I. Ø6mm	2,6	DC	FI

- Please contact ODE to configure manifolds of 5 elements and above
- Some element types/combinations have a minimum order quantity. Please contact ODE before order.



JM SERIES - CODIFICATION

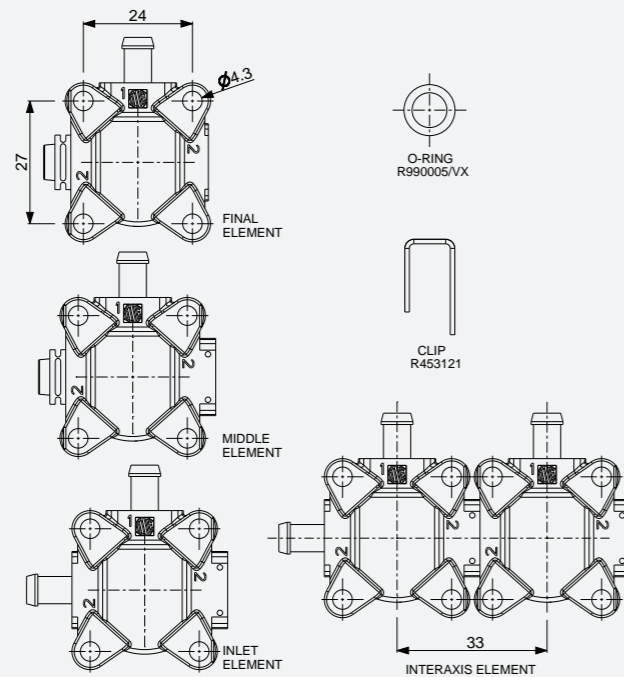
AM SERIES - CODIFICATION



- I. TYPE OF VALVE**
G - manifold
- II. NUMBER OF ELEMENTS**
2 - number of elements
3 - number of elements
4 - number of elements
- III. SERIES**
M - modular AM Series
- IV. INLET SIDE**
A - right inlet
B - left inlet

- V. INLET CONNECTION**
2 - G1/8 (F)
3 - hose connection
- VI. SEALING MATERIAL**
V - FKM
E - EPDM
- VII. SERIAL NUMBER**
- VIII. NSF CERTIFICATION**
TO - PPS body

- Serial number is to be assigned by ODE for every specific configuration. Please contact ODE before order.
- Please contact ODE to configure manifolds of 5 elements and above
- Some element types/combinations have a minimum order quantity. Please contact ODE before order.



OPTIONAL FEATURES

FEATURES	JM SERIES	AM SERIES	NOTES
DISTRIBUTING FUNCTION	X	X	Single inlet, multiple outlet
MIXING FUNCTION		X	Multiple inlet, single outlet Please contact ODE for codification and performances
2/2 NO ELEMENT	X	X	Please contact ODE for codification and performances
3/2 NC ELEMENT	X (only as last element)	X	Please contact ODE for codification and performances
FLANGE CONNECTION		X	Please contact ODE for codification and performances
OPTIONALS	JM SERIES	AM SERIES	NOTES
AISI 316 ARMATURE TUBE	X	X	-
STAINLESS STEEL ORIFICE		X	Standard for AM series

JM and AM elements can be assembled together. Please contact ODE for further information