Modular Solenoid valve 2/2 way N.C. Direct acting - NSF Certified

JM Series R1

PRESENTATION:

Direct acting S.V. for interception of fluids compatible with the construction materials.
Minimum operational pressure is not required.
The materials used and the tests carried out ensure maximum reliability and duration.

USE: Automation, Sterilization
Vending

PIPES: G 1/8 male/female; Ø 6 (hose connection); fast fitting

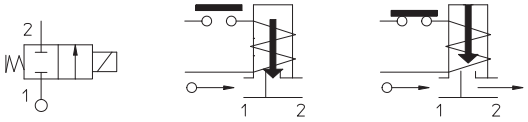
COILS: 5W - Ø 10

LBA	155°C (class F)
LBV	180°C (class H)

COIL HOUSING AND COIL FORMER MATERIAL ARE MADE BY 100% VIRGIN MATERIAL.

Max. allowable pressure (PS) 16 bar
Ambient temperature:
See coils catalogue page for its compatibility.

Gaskets	Temperature		Medium
V=FKM (fluoroelastomer)	- 10°C	+140°C	Air, water, inert gas, steam
B=NBR (nitrile rubber)	- 10°C	+ 90°C	Water, air, inert gas



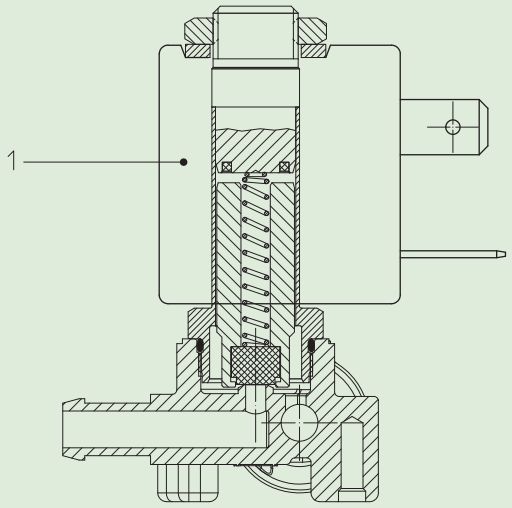
For left inlet replace the letter "**A**" with "**B** Es. 23M***B***1VBDBDBD.

Pipe	Std code n. 3 modules (inlet right)	Max viscosity		Ø	Kv	Power	Pressure		
							min	M.O.P.D.	
		cSt	°E	mm	l/mn	watt	bar	AC bar	DC bar
G 1/8 male ISO 228/1	23MA1VBDBDBD	12	~ 2	1,2	0,8	5	0	15	15
	23MA1VBEBEBE	37	~ 5	2,3	2				6
	23MA1VBFBFBF	53	~ 7	2,6	2,5			10	3,5
G 1/8 female ISO 228/1	23MA2VADADAD	12	~ 2	1,2	0,8			15	15
	23MA2VAEAEAE	37	~ 5	2,3	2				6
	23MA2VAFAFAF	53	~ 7	2,6	2,5			10	3,5
Ø 6 ext.	23MA3VCDCDCD	12	~ 2	1,2	0,8			15	15
	23MA3VCECECE	37	~ 5	2,3	2				6
	23MA3VCFCFCF	53	~ 7	2,6	2,5			10	3,5
Fast fitting	23MA4VDDDDDD	12	~ 2	1,2	0,8			15	15
	23MA4VDEDEDE	37	~ 5	2,3	2				6
	23MA4VDFDFDF	53	~ 7	2,6	2,5			10	3,5

For versions with NSF approval, add the suffix ..-**T0** to the code, for example: 23MA1VBDBDBD-**T0**

NSF COMPONENT

Note
Max torque for fittings 2Nm max, coil nut assembly 2Nm max; armature tube 4Nm max | Use the seal fittings compatible with the material of the body | Don't mount the groups with 1 or more elements cantilever | For application with steam or with PS above the 16 bar, please consult our Technical Service.



MATERIALS:

Body	PPS
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
Seal	Standard: V=FKM On request: B=NBR
Orificie	PPS
On request:	
Connector	Pg 9 o Pg 11
Connector conformity	ISO 4400

FEATURES:

Electrical conformity	IEC 335
Protection degree	IP 65 EN 60529 (DIN 40050) with coil fitted by connector.

SPARE PARTS:

1. **Coil:**

   See coils list

   O-Ring for modules:

   Code R990005/***VX***

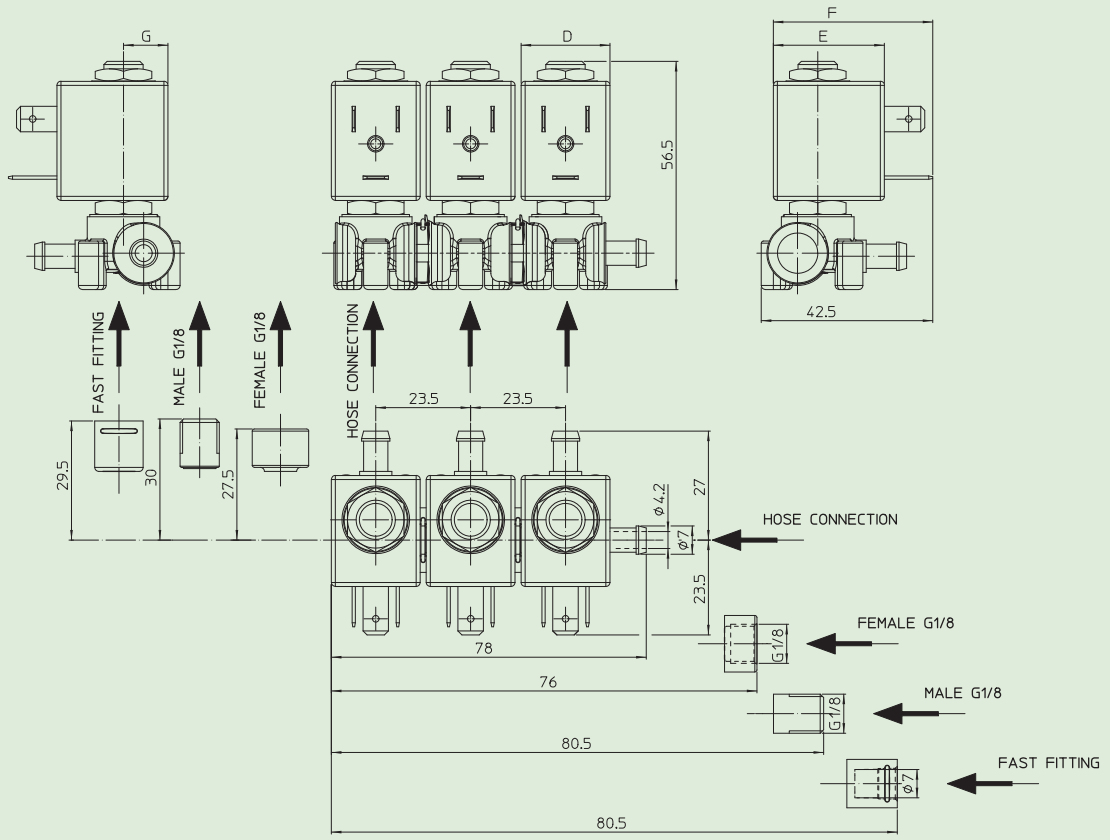
   Locker clip:

   Code R453121

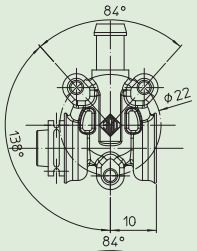
ACCESSORIES:

Tube (int.Ø 2 mm; ext.Ø 4mm)
for fast fitting
Code R453130/
Tube with male fitting
Code R453154/
Tube with double male fitting
(see catalogue page)

DIMENSIONS:

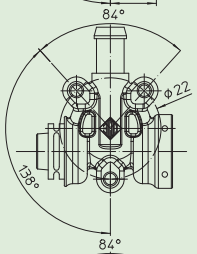


COIL TYPE	POWER ABSORPTION			DIMENSIONS			
	W ⎓	Hold VA ~	Inrush VA ~	D mm	E mm	F mm	G mm
L	5	10	15	22	27,5	39,5	11

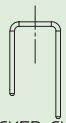


TERMINAL MODULE

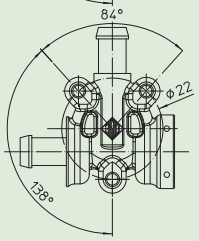
O-RING FOR MODULES
R990005/VX



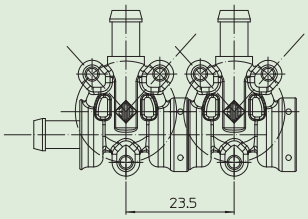
INTERMEDIATE MODULE



LOCKER CLIP
R453121



INLET MODUL



INCREMENTAL MODUL

2	3	M	A	1	V	B	D	B	D	B	D

Valve specification (see table)

Type of way

n. of elements
min 2 - max 4

Serial type

Inlet
A=right
B=left

Type of inlet pipe

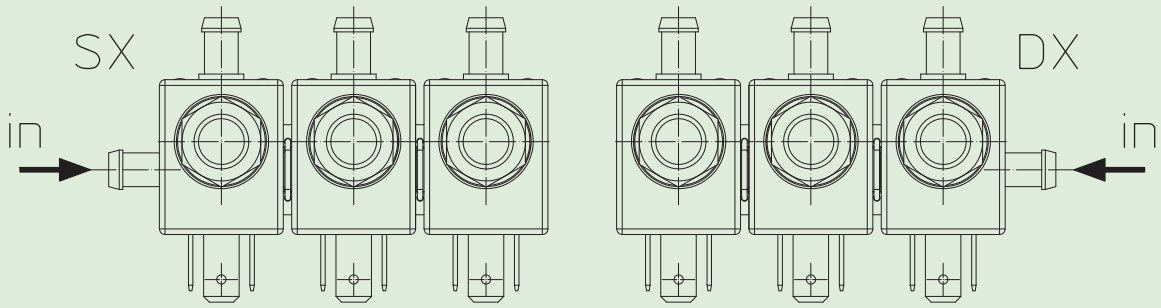
Gasket type

Pipe outlet	Ø orifice	Element code
1	1,2	BD
2		AD
3		CD
4		DD
1	2,3	BE
2		AE
3		CE
4		DE
1	2,6	BF
2		AF
3		CF
4		DF

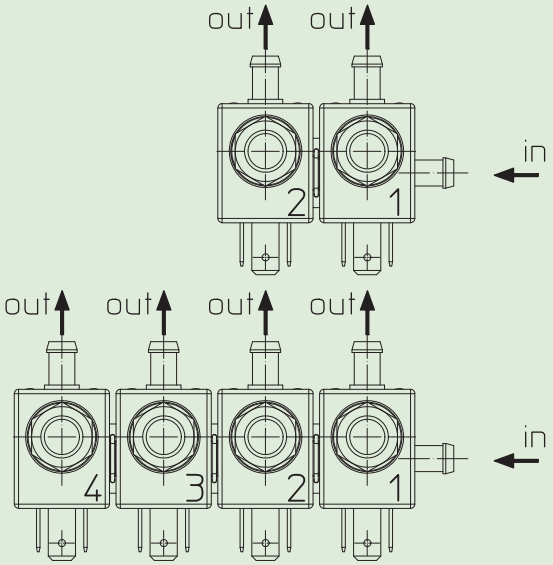
Pipe code inlet / outlet			
1	G 1/8 male	3	Hose connection
2	G 1/8 female	4	Fast fitting

Description/example
2= number of way
3=n. 3 elements
M= Modular plastic series
A= Set S.V. with right inlet
1= Inlet G 1/8 male
V= FKM Seal
BD= Outlet G 1/8; Ø orifice 1,2; fixed core type R1
BD= Outlet G 1/8; Ø orifice 1,2; fixed core type R1
BD= Outlet G 1/8; Ø orifice 1,2; fixed core type R1

TYPE WITH LEFT AND RIGHT INLET



SET S.V. FROM N. 2 TO N. 4 S.V.



ROTATIONAL STEP TO 90°