3 > Treatment



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Series MX filters

MX2 ports: G3/8, G1/2, G3/4 - MX3 ports: G3/4, G1
Modular
Bowl with technopolymer cover and bayonet-type mounting




FT01 =
filter without drain
with threaded port


FT02 =
filter with semiautomatic
manual drain


FT03 =
filter with automatic
or depressuring drain

CODING EXAMPLE

MX	2	-	3/8	-	F	0	0	-	LH

MX	SERIES
2	SIZE: 2 = G3/8 - G1/2 - G3/4 3 = G3/4 - G1
3/8	PORT: 3/8 = G3/8 1/2 = G1/2 3/4 = G3/4 1 = G1
F	FILTER
0	FILTERING ELEMENT: 0 = 25 µm (standard) 1 = 5 µm
0	DRAINING OF CONDENSATE *: 0 = semiautomatic-manual drain (standard) 3 = automatic drain 5 = depressuring drain, protected 8 = without drain, with port G1/8
LH	FLOW DIRECTION: = from left to right (standard) LH = from right to left

* = Further details about condensate drains are available at the end of this chapter

Series MX coalescing filters

MX2 ports: G3/8, G1/2, G3/4 - MX3 ports: G3/4, G1
Modular
Bowl with technopolymer cover and bayonet-type mounting




FA01 =
coalescing filter
without drain
with threaded port


FA02 =
coalescing filter with
semi-automatic manual drain


FA03 =
coalescing filter with automatic
or depressuring drain

CODING EXAMPLE

MX	2	-	3/8	-	FC	0	0	-	LH

MX	SERIES
2	SIZE: 2 = G3/8 - G1/2 - G3/4 3 = G3/4 - G1
3/8	PORTS: 3/8 = G3/8 1/2 = G1/2 3/4 = G3/4 1 = G1
FC	COALESCING FILTER
0	FILTERING ELEMENT: 0 = 0,01 µm (standard) 1 = 1 µm
0	DRAINING OF CONDENSATE *: 0 = semiautomatic-manual drain (standard) 3 = automatic drain 5 = depressuring drain, protected 8 = without drain, with port G1/8
LH	FLOW DIRECTION: = from left to right (standard) LH = from right to left

* = Further details about condensate drains are available at the end of this chapter

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Series MX activated carbon filters

MX2 ports: G3/8, G1/2, G3/4 - MX3 ports: G3/4, G1
Modular
Bowl with technopolymer cover and bayonet-type mounting





FC01 =
Absorption function
without cup hole

CODING EXAMPLE

MX	2	-	3/8	-	FCA	-	LH

MX	SERIES
2	SIZE: 2 = G3/8 - G1/2 - G3/4 3 = G3/4 - G1
3/8	PORT: 3/8 = G3/8 1/2 = G1/2 3/4 = G3/4 1 = G1
FCA	ACTIVATED CARBON FILTER
LH	FLOW DIRECTION: = from left to right (standard) LH = from right to left

Series MX pressure regulators

MX2 ports: G3/8, G1/2, G3/4 - MX3 ports: G3/4, G1
Manifold ports: G1/2 (MX2 only)
Modular. Available with built-in pressure gauges or ports for gauges

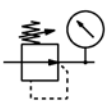




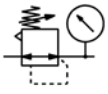
PR01 =
regulator
without relieving



PR02 =
regulator
with relieving



PR05 =
regulator without relieving
and with pressure gauge



PR06 =
regulator with relieving
and pressure gauge

CODING EXAMPLE

MX	2	-	3/8	-	R	0	0	4	-	LH

MX	SERIES
2	SIZE: 2 = G3/8 - G1/2 - G3/4 3 = G3/4 - G1
3/8	PORTS: 3/8 = G3/8 1/2 = G1/2 3/4 = G3/4 1 = G1
R	TYPER OF REGULATOR: R = pressure regulator M = Manifold pressure regulator (MX2 - G1/2 only)
0	OPERATING PRESSURE (1 bar = 14,5 psi): 0 = 0,5 ÷ 10 bar (standard) 4 = 0 ÷ 4 bar 7 = 0,5 ÷ 7 bar (MX2 only)
0	DESIGN TYPE: 0 = relieving (standard) 1 = without relieving
4	PRESSURE GAUGE: 0 = without pressure gauge (with threaded port for gauges) 2 = with built-in pressure gauge 0-6 and working pressure 0 ÷ 4 bar 3 = with built-in pressure gauge 0-10 and working pressure 0 ÷ 7 bar (MX2 only) 4 = with built-in pressure gauge 0-12 and working pressure 0,5 ÷ 10 bar (standard)
LH	FLOW DIRECTION: = from left to right (standard) LH = from right to left

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Series MX lubricators

MX2 ports: G3/8, G1/2, G3/4 - MX3 ports: G3/4, G1
Modular
Bowl with technopolymer cover and bayonet-type mounting





LU01 = lubricator

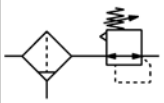
CODING EXAMPLE

MX	2	-	3/8	-	L	00	-	LH

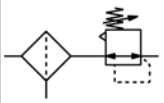
MX	SERIES
2	SIZE: 2 = G3/8 - G1/2 - G3/4 3 = G3/4 - G1
3/8	PORT: 1/2 = G1/2 3/4 = G3/4 1 = G1
L	LUBRICATOR
00	DESIGN TYPE: 00 = atomized oil
LH	FLOW DIRECTION: = from left to right (standard) LH = from right to left

Series MX filter-regulators

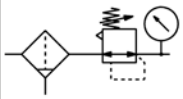
MX2 ports: G3/8, G1/2, G3/4 - MX3 ports: G3/4, G1
Modular
Bowl with technopolymer cover and bayonet-type mounting



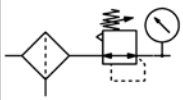
FR01 = filter-regulator with relieving and manual drain



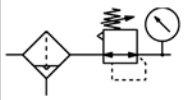
FR02 = filter-regulator with relieving and without drain



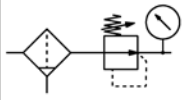
FR03 = filter-regulator with relieving, manual drain and pressure gauge



FR04 = filter-regulator with relieving, without drain and with pressure gauge



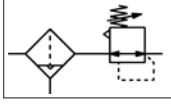
FR05 = filter-regulator with relieving, automatic drain and pressure gauge



FR10 = filter-regulator with manual drain, without relieving and with pressure gauge



FR11 = filter-regulator with manual drain and without relieving



FR18 = filter-regulator with relieving and automatic drain



CODING EXAMPLE

MX	2	-	3/8	-	FR	0	0	0	4	-	LH

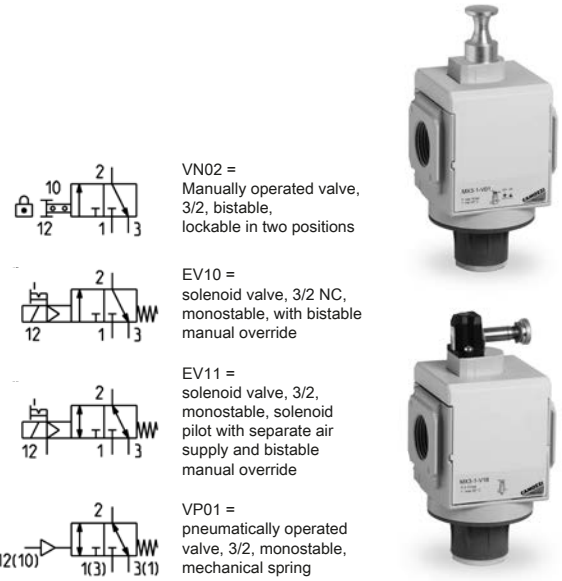
MX	SERIES
2	SIZE: 2 = G3/8 - G1/2 - G3/4 3 = G3/4 - G1
3/8	PORT: 3/8 = G3/8 1/2 = G1/2 3/4 = G3/4 1 = G1
FR	FILTER-REGULATOR
0	FILTERING ELEMENT WITH DESIGN TYPE: 0 = 25 µm with relieving (standard) 1 = 5 µm with relieving 2 = 25 µm without relieving (with semiautomatic-manual drain only) 3 = 5 µm without relieving (with semiautomatic-manual drain only)
0	DRAINING OF CONDENSATE *: 0 = semiautomatic-manual drain (standard) 3 = automatic drain 5 = depressuring drain, protected 8 = without drain, with port G1/8
0	OPERATING PRESSURE: 0 = 0,5 ÷ 10 bar (standard) 4 = 0 ÷ 4 bar 7 = 0,5 ÷ 7 bar (MX2 only)
4	PRESSURE GAUGE: 0 = without pressure gauge(with threaded port) 2 = with built-in pressure gauge 0-6 and working pressure 0 ÷ 4 bar 3 = with built-in pressure gauge 0-10 and working pressure 0 ÷ 7 bar (MX2 only) 4 = with built-in pressure gauge 0-12 and working pressure 0,5 ÷ 10 bar (standard)
LH	FLOW DIRECTION: = from left to right (standard) LH = from right to left

* = Further details about condensate drains are available at the end of this chapter

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Series MX lockable isolation 3/2-way valves

MX2 ports: G3/8, G1/2, G3/4 - MX3 ports: G3/4, G1. Modular
Manual, electro-pneumatic, servo-pilot and pneumatic control



VN02 =
Manually operated valve, 3/2, bistable, lockable in two positions

EV10 =
solenoid valve, 3/2 NC, monostable, with bistable manual override

EV11 =
solenoid valve, 3/2, monostable, solenoid pilot with separate air supply and bistable manual override

VP01 =
pneumatically operated valve, 3/2, monostable, mechanical spring

CODING EXAMPLE

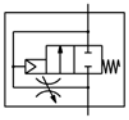
MX	2	-	3/8	-	V	01	-	LH

MX	SERIES
2	SIZE: 2 = G3/8 - G1/2 - G3/4 3 = G3/4 - G1
3/8	PORT: 3/8 = G3/8 1/2 = G1/2 3/4 = G3/4 1 = G1
V	3/2-WAY VALVE
01	DESIGN TYPE: 01 = lockable manual control 16 = electro-pneumatic control 17 = servo-pilot control 36 = pneumatic control
LH	FLOW DIRECTION: = from left to right (standard) LH = from right to left

Series MX soft start valves

MX2 ports: G3/8, G1/2, G3/4 - MX3 ports: G3/4, G1
Modular





AVP1 =
Soft start valve

CODING EXAMPLE

MX	2	-	3/8	-	AV	-	LH

MX	SERIES
2	SIZE: 2 = G3/8 - G1/2 - G3/4 - 3 = G3/4 - G1
3/8	PORT: 3/8 = G3/8 - 1/2 = G1/2 3/4 = G3/4 - 1 = G1
AV	SOFT START VALVE
LH	FLOW DIRECTION: = from left to right (standard) LH = from right to left

Series MX take-off blocks

MX2 port: G1/2 - MX3 port: G1
Modular





BL01 =
take-off block



BL02 =
take-off block with VNR

CODING EXAMPLE

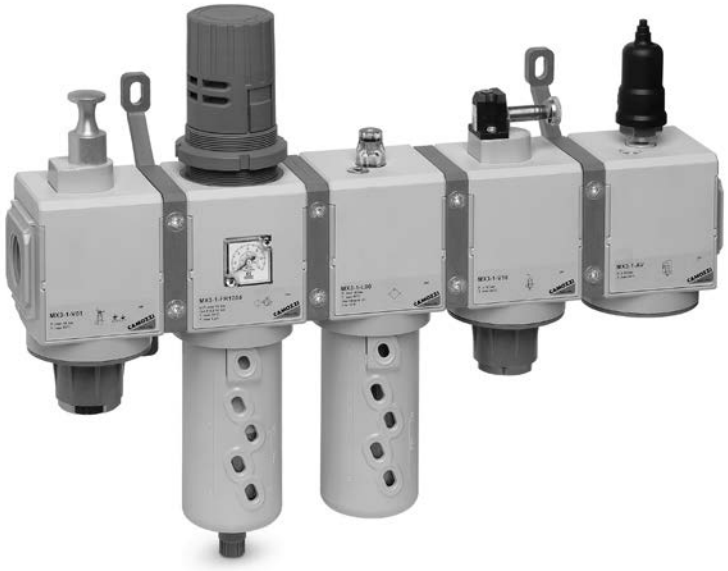
MX	2	-	1/2	-	B	00	-	LH

MX	SERIES
2	SIZE: 2 = G1/2 - 3 = G1
1/2	PORT: 1/2 = G1/2 - 1 = G1
B	TAKE-OFF BLOCK
00	DESIGN TYPE: 00 = without no return valve [VNR] (standard) 01 = with no return valve [VNR] 02 = without no return valve [VNR], with double O-ring seat
LH	FLOW DIRECTION: = from left to right (standard) LH = from right to left

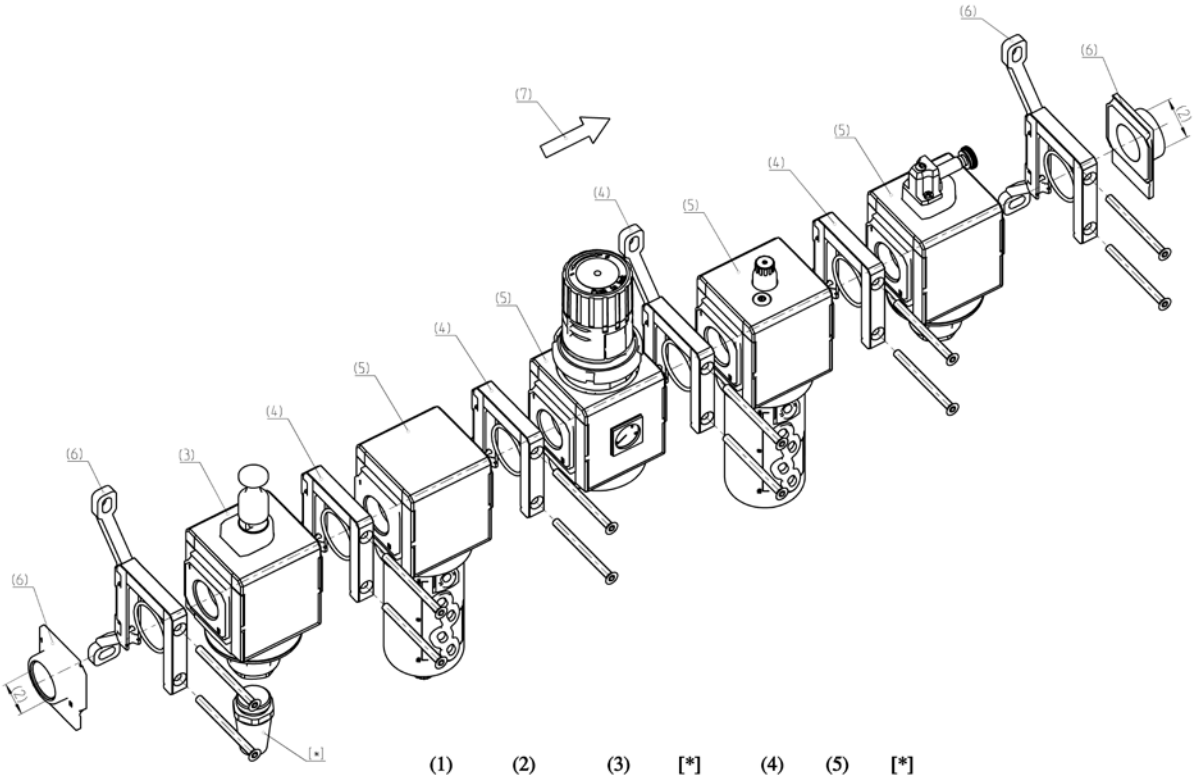
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Series MX assembled FRL

MX2 ports: G3/8, G1/2, G3/4 - MX3 ports: G3/4, G1
Assembly through rapid clamps



Configurator of assembled groups Series MX



Configuration of the assembled group in the drawing below:
MX2-3/8-V01+A32XF00XR004YL00XV16-KK

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CONFIGURATOR OF ASSEMBLED GROUPS SERIES MX

MX	2	-	3/8	-	V01	X	F00	-	KK	-	LH

MX		SERIES
2	(1)	SIZE: 2 = G3/8 - G1/2 - G3/4 3 = G3/4 - G1
-		
3/8	(2)	IN / OUT THREADS: 3/8 = G3/8 1/2 = G1/2 3/4 = G3/4 1 = G1
-		
V01	(3)	MODULE + [*] (to configure the modules, see the single components pages): F... = Filter FC... = Coalescing filter FCA... = Activated carbons filter R... = Pressure regulator L... = Lubricator FR... = Filter-Regulator V... = Lockable isolation valve AV... = Soft start valve B... = Take-off block (MX2: G1/2 only - MX3: G1 only)
	[*]	The following ACCESSORIES can be added after every single module: REGULATOR AND FILTER-REGULATOR MX2 +A56 = M053-P06 (Pressure gauge) +A57 = M053-P10 (Pressure gauge) +A58 = M063-P12 (Pressure gauge) REGULATOR AND FILTER-REGULATOR MX3 +A60 = M063-P06 (Pressure gauge) +A61 = M063-P12 (Pressure gauge) LOCKABLE ISOLATION VALVE MX2 +A30 = 2901 1/2'' (Silencier) +A31 = 2921 1/2'' (Silencier) +A32 = 2931 1/2'' (Silencier) +A33 = 2938 1/2'' (Silencier) LOCKABLE ISOLATION VALVE MX3 +A34 = 2901 3/4'' (Silencier) +A35 = 2921 3/4'' (Silencier) +A36 = 2931 3/4'' (Silencier) SOFT START VALVE +A00 = PM11-NA (Pressure switch, normally open) +A01 = PM11-NC (Pressure switch, normally closed) TAKE-OFF BLOCK MX2 +A08 = PM11-NA (normally open pressure switch) with fitting for fixing to the module +A09 = PM11-NC (normally closed pressure switch) with fitting for fixing to the module +A03 = PM11-SC with fitting for fixing to the module Example: MX2-3/8-V01+A32XF00-KK-LH TAKE-OFF BLOCK MX3 +A06 = PM11-NA (normally open pressure switch) with fitting for fixing to the module +A07 = PM11-NC (normally closed pressure switch) with fitting for fixing to the module +A02 = PM11-SC with fitting for fixing to the module Example: MX3-3/4-V01+A36XF00-KK-LH
X	(4)	MODULES CONNECTION X = Rapid clamp kit Z = Rapid clamp kit with wall fixing screw Y = Rapid clamp kit with wall fixing brackets
F00	(5) + [*]	see MODULE (3)
-		
KK	(6)	TERMINAL CONNECTIONS + [**] = no terminal connection HH = n° 1 rapid clamp kit with flanges (IN / OUT) JJ = n° 1 rapid clamp kit with wall fixing screws + flanges (IN / OUT) KK = n° 1 rapid clamp kit with wall fixing brackets + flanges (IN / OUT)
	[**]	WALL CONNECTION: REGULATOR and FILTER-REGULATOR S = Bracket (only with clamps mod. X o HH) Codes examples: MX3-1-R..XV..-S; MX3-1-R..XV..-HSH
-		
LH	(7)	FLOW DIRECTION: = from left to right (standard) LH = from right to left
	(4) + (5) + [*]	REPEATABLE COMBINATION for a "n" number of times

Series MC filters

Ports G1/4, G3/8 and G1/2
Modular
Metal bowl and bayonet-type mounting



FT01 =
filter without drain
with threaded port

FT02 =
filter with semiautomatic
manual drain

FT03 =
filter with
automatic drain

CODING EXAMPLE

MC	2	02	-	F	0	0

MC SERIES

2 SIZE:
1 = G1/4
2 = G3/8 - G1/2

02 PORTS:
04 = G1/4
38 = G3/8
02 = G1/2

F FILTER

0 FILTERING ELEMENT:
0 = 25µm (standard)
1 = 5µm

0 DRAINING OF CONDENSATE *:
0 = normal - semiautomatic (standard)
3 = automatic drain (only for G3/8 and G1/2)
4 = depressurisation (only G1/4)
5 = depressurisation, protected
8 = no drain, port 1/8

* = Further details about condensate drains are available at the end of this chapter

Series MC coalescing filters

Ports G1/4, G3/8 and G1/2
Modular
Metal bowl and bayonet-type mounting



FA01 =
coalescing filter
without drain
with threaded port

FA02 =
coalescing filter
with semi-automatic
manual drain

FA03 =
coalescing filter
with automatic drain

CODING EXAMPLE

MC	2	02	-	F	B	0

MC SERIES

2 SIZE:
1 = G1/4
2 = G3/8 - G1/2

02 PORTS:
04 = G1/4
38 = G3/8
02 = G1/2

F FILTER

B FILTERING ELEMENT:
B = 0,01µm

0 DRAINING OF CONDENSATE *:
0 = manual - semi-automatic
3 = automatic (only for G3/8 and G1/2)
4 = depressurisation (only G1/4)
5 = depressurisation, protected
8 = no drain, port 1/8

* = Further details about condensate drains are available at the end of this chapter

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Series MC pressure regulators

Ports G1/4, G3/8 and G1/2
Modular





PR01 =
regulator
without relieving



PR02 =
regulator
with relieving

CODING EXAMPLE

MC	2	02	-	R	0	0

MC	SERIES
2	SIZE: 1 = G1/4 2 = G3/8 - G1/2
02	PORTS: 04 = G1/4 38 = G3/8 02 = G1/2
R	REGULATOR
0	OPERATING PRESSURE: 0 = 0.5 ÷ 10 (standard) 1 = 0 ÷ 4 2 = 0 ÷ 2 (only G1/4) 7 = 0,5 ÷ 7 (only G1/4)
0	DESIGN TYPE: 0 = self-relieving (standard) 1 = non-relieving 5 = precise relieving

Series MC lubricators

Ports G1/4, G3/8 and G1/2
Modular
With metal bowl and bayonet-type mounting





LU01 =
lubricator

CODING EXAMPLE

MC	2	02	-	L	00

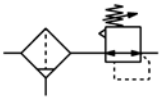
MC	SERIES
2	SIZE: 1 = G1/4 2 = G3/8 - G1/2
02	PORTS: 04 = G1/4 38 = G3/8 02 = G1/2
L	LUBRICATOR
00	DESIGN TYPE: 00 = atomized oil

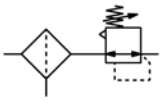
Products designed for industrial applications.
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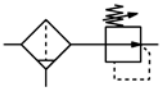
Series MC filter-regulators

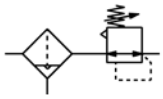
Ports G1/4, G3/8 and G1/2
Modular
Metal bowl and bayonet-type mounting




FR01 =
filter-regulator
with relieving
and manual drain


FR02 =
FR with relieving
and without drain


FR11 =
FR with manual drain
and wiithout relieving


FR18 =
FR with relieving
and automatic drain

CODING EXAMPLE

MC	2	02	-	D	0	0	-	4

MC SERIES

2 SIZE:
1 = G1/4
2 = G3/8 - G1/2

02 PORTS:
04 = G1/4
38 = G3/8
02 = G1/2

D FILTER-REGULATOR

0 FILTERING ELEMENT:
0 = 25µm (standard)
1 = 5µm

0 DRAINING OF CONDENSATE *:
0 = manual semiautomatic, self-relieving
1 = manual semiautomatic, non relieving
3 = automatic, self-relieving (only for G3/8 and G1/2)
4 = depressurisation, self-relieving (only G1/4)
5 = depressurisation, protected, self-relieving
8 = no drain, port G1/8, self-relieving

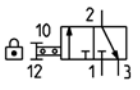
4 WORKING PRESSURE
= 0,5 ÷ 10
2 = 0 ÷ 2 (only G1/4)
4 = 0 ÷ 4
7 = 0,5 ÷ 7 (only G1/4)

* = Further details about condensate drains are available at the end of this chapter

Series MC lockable isolation 3/2-way valves

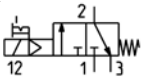
Electropneumatic, pneumatic and manual version
Ports G1/4, G3/8 and G1/2
Modular



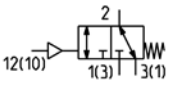


VN02 =
manually operated valve,
3/2, bistable,
lockable in two positions





EV10 =
solenoid valve,
3/2 NC, monostable,
with bistable manual
override



VP01 =
pneumatically operated
valve, 3/2, monostable,
mechanical spring

CODING EXAMPLE

MC	2	02	-	V	16

MC SERIES

2 SIZE:
1 = G1/4
2 = G3/8 - G1/2

02 PORTS:
04 = G1/4
38 = G3/8
02 = G1/2

V 3/2-WAY VALVE

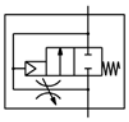
16 DESIGN TYPE:
16 = electropneumatic
36 = pneumatic
01 = padlock valve (manual command)

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Series MC soft start valves

Ports G1/4, G3/8 and G1/2
Modular





AVP1 =
Soft start valve

CODING EXAMPLE

MC	2	02	-	AV

MC	SERIES
2	SIZE: 1 = G1/4 2 = G3/8 - G1/2
02	PORTS: 04 = G1/4 38 = G3/8 02 = G1/2
AV	SOFT START VALVE

Series MC take-off blocks

Ports G1/4 and G1/2
Modular





BL01 =
take-off block



BL02 =
take-off block with VNR

CODING EXAMPLE

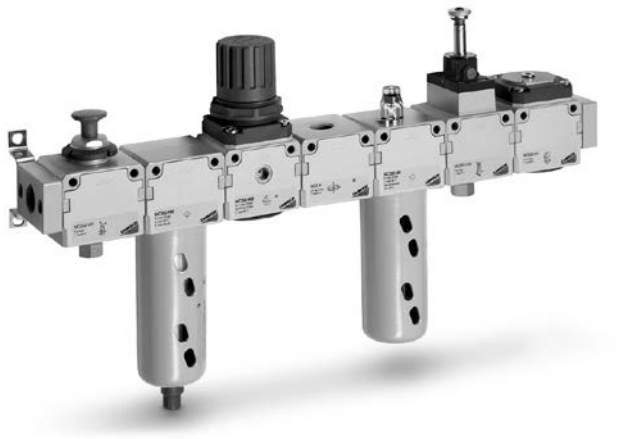
MC	2	-	B	-	VNR

MC	SERIES
2	SIZE: 1 = G1/4 2 = G1/2
B	TAKE OFF BLOCK
VNR	VERSION: VNR = with no return valve

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Series MC assembled FRL

Ports G1/4, G3/8 and G1/2



CODING EXAMPLE

MC	2	02	-	C	-	5	-	FL

MC SERIES

2 SIZE:
1 = G1/4
2 = G3/8 - G1/2

02 PORT:
04 = G1/4
38 = G3/8
02 = G1/2

C ASSEMBLY GROUP:
C = D + L
E = V01 + D + L
FRL = F + R + L
GN = D + L + V16 + AV
HNA = V01 + D + L + V16 + AV + PRESS NO
HNC = V01 + D + L + V16 + AV + PRESS NC
N = V01 + D PN = D + V16 + AV
QN = V01 + D + V16 + AV
TN = V01 + D + L + V16 + AV
U = F13 + FB3 (only for 3/8 - 1/2)
ZNA = V01 + D + V16 + AV + PRESS NO
ZNC = V01 + D + V16 + AV + PRESS NC

5 FILTERING ELEMENT:
5 = 5 µm (standard)
25 = 25 µm (upon request)

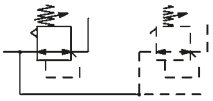
FL VERSION:
FL = with terminal flanges (without brackets)

LEGEND:
D = Filter-regulator 0.5-10 bar, semi-automatic-manual drain with relieving, filtering element 5 µm or 25 µm
L = Lubricator
V01 = 3/2-way manually operated valve
F = Filter 5 µm or 25 µm
R = Regulator 0.5-10 bar with relieving
V16 = 3/2-way electropneumatically operated valve
AV = Soft start valve
PRESS NO = Pressure switch, Normally Open
PRESS NC = Pressure switch, Normally Closed
F13 = Filter 5 µm with automatic drain
FB3 = Coalescing filter 0.01 µm with automatic drain

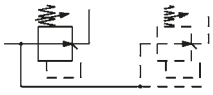
Series MC manifold pressure regulators

Ports G1/4
Modular





FR19 =
Manifold regulator
with relieving
without pressure gauge



FR21 =
Manifold regulator
without relieving
without pressure gauge

CODING EXAMPLE

MC	1	04	-	M	0	0

MC SERIES

1 SIZE:
1 = G1/4

04 PORT:
04 = G1/4

M MANIFOLD REGULATOR

0 OPERATING PRESSURE:
0 = 0,5 ÷ 10 (standard)
1 = 0 ÷ 4
2 = 0,5 ÷ 2
7 = 0,5 ÷ 7

0 CONSTRUCTION:
0 = self-relieving (standard)
1 = non-relieving
5 = precise relieving

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Series MD filters

New

Ports with interchangeable cartridges: threaded (1/8, 1/4, 3/8) or integrated with super-rapid fitting for tube with ø 6, 8 and 10 mm. Modular assembly
Bowl with technopolymer cover and bayonet-type mounting



FT01 =
filter without drain
with threaded port

FT02 =
filter with semiautomatic
manual drain

FT03 =
filter with automatic
or depressuring drain

CODING EXAMPLE

MD	1	-	F	0	0	0	-	1/8

MD	SERIES
1	DIMENSION: 1 = 42 mm
F	FILTER
0	FILTERING ELEMENT: 0 = 25 µm 1 = 5 µm
0	CONDENSATE DRAIN *: 0 = semiautomatic-manual drain 5 = automatic drain, protected depressurisation 8 = direct G1/8 exhaust
0	VISUAL BLOCKAGE INDICATOR: 0 = not present 1 = present
1/8	PORTS (IN - OUT)*: = without cartridges 1/8 = G1/8 1/4 = G1/4 3/8 = G3/8 6 = tube ø 6 8 = tube ø 8 10 = tube ø 10

* NOTE: if the inlet (IN) cartridge is di erent from the outlet (OUT) cartridge, both dimensions shall be indicated.
Example: MD1-F000-1/4-10

* = Further details about condensate drains are available at the end of this chapter

Series MD coalescing filters

New

Ports with interchangeable cartridges: threaded (1/8, 1/4, 3/8) or integrated with super-rapid fitting for tube with ø 6, 8 and 10 mm. Modular assembly
Bowl with technopolymer cover and bayonet-type mounting



FA01 =
coalescing filter
without drain
with threaded port

FA02 =
coalescing filter with
semi-automatic manual drain

FA03 =
coalescing filter with automatic
or depressuring drain

CODING EXAMPLE

MD	1	-	FC	0	0	0	-	1/8

MD	SERIES
1	DIMENSION: 1 = 42 mm
FC	COALESCING FILTER
0	FILTERING ELEMENT: 0 = 0,01 µm 1 = 1 µm
0	CONDENSATE DRAIN *: 0 = semiautomatic-manual drain 5 = automatic drain, protected depressurisation 8 = direct G1/8 exhaust
0	VISUAL BLOCKAGE INDICATOR: 0 = not present 1 = present
1/8	PORTS (IN - OUT)*: = without cartridges 1/8 = G1/8 1/4 = G1/4 3/8 = G3/8 6 = tube ø 6 8 = tube ø 8 10 = tube ø 10

* NOTE: if the inlet (IN) cartridge is di erent from the outlet (OUT) cartridge, both dimensions shall be indicated.
Example: MD1-FC000-1/4-10

* = Further details about condensate drains are available at the end of this chapter

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General terms and conditions for sale are available on www.camozzi.com.

Series MD activated carbon filters

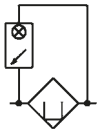
New

Ports with interchangeable cartridges: threaded (1/8, 1/4, 3/8) or integrated with super-rapid fitting for tube with ø 6, 8 and 10 mm. Modular assembly
Bowl with technopolymer cover and bayonet-type mounting





FC01 = activated carbon filter



FC02 = activated carbon filter with visual blockage indicator

CODING EXAMPLE

MD	1	-	FCA	0	-	1/8

MD SERIES

1 DIMENSION:
1 = 42 mm

FCA ACTIVATED CARBON FILTER

0 VISUAL BLOCKAGE INDICATOR:
0 = not present
1 = present

1/8 PORTS (IN - OUT)*:
= without cartridges
1/8 = G1/8
1/4 = G1/4
3/8 = G3/8
6 = tube ø 6
8 = tube ø 8
10 = tube ø 10

* NOTE: if the inlet (IN) cartridge is different from the outlet (OUT) cartridge, both dimensions shall be indicated.
Example: MD1-FCA1-1/4-10

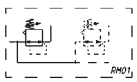
Series MD pressure regulators

New

Ports with interchangeable cartridges: threaded (1/8, 1/4, 3/8) or integrated with super-rapid fitting for tube with ø 6, 8 and 10 mm
Versions: single, combined with other functions, Manifold



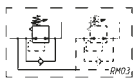




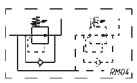
RM01 = manifold regulator with relieving



RM02 = manifold regulator without relieving



RM03 = manifold regulator with relieving and by-pass valve



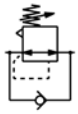
RM04 = manifold regulator without relieving, with by-pass valve



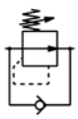
PR01 = regulator without relieving



PR02 = regulator with relieving



PR03 = regulator with relieving and by-pass valve



PR04 = regulator without relieving, with by-pass valve

CODING EXAMPLE

MD	1	-	R	T	0	0	-	1/4	-	■	-	●

MD SERIES

1 DIMENSION:
1 = 42 mm

R TYPER OF REGULATOR:
R = pressure regulator - M = Manifold pressure regulator

T OPERATING PRESSURE (1 bar = 14,5 psi):
0 = 0.5 ÷ 10 bar
2 = 0 ÷ 2 bar
4 = 0 ÷ 4 bar
7 = 0.5 ÷ 7 bar
T = calibrated **
B = locked **

0 DESIGN TYPE:
0 = with relieving - 1 = without relieving
2 = with relieving and by-pass valve - 3 = without relieving, with by-pass valve

0 PRESSURE GAUGE:
0 = without pressure gauge (with 1/8 port)

1/4 PORTS (IN - OUT)*:
= without cartridges
1/8 = G1/8
1/4 = G1/4
3/8 = G3/8
6 = tube ø 6
8 = tube ø 8
10 = tube ø 10

* NOTE: if the inlet (IN) cartridge is different from the outlet (OUT) cartridge, both dimensions shall be indicated.
Example: MD1-R020-1/4-10

** NOTE: IF THE REGULATOR IS CALIBRATED OR LOCKED, AFTER THE PORTS ADD THE INLET PRESSURE "■" AND THE OUTLET PRESSURE "●"

INLET PRESSURE: ■ = enter the SUPPLY pressure value

OUTLET PRESSURE: ● = enter the OUTLET pressure value for the LOCKED regulator or the maximum value of the ADJUSTABLE pressure for the CALIBRATED regulator.

Example of a calibrated regulator with Inlet Pressure = 6.3 bar and Outlet Pressure = 4.5 bar.
Complete part number: MD1-RT00-1/4-6.3-4.5

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Series MD lubricators

New

Ports with interchangeable cartridges: threaded (1/8, 1/4, 3/8) or integrated with super-rapid fitting for tube with ø 6, 8 and 10 mm. Modular assembly
Bowl with technopolymer cover and bayonet-type mounting





LU01 = lubricator

CODING EXAMPLE

MD	1	-	L	0	0	-	1/8

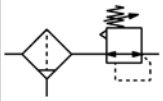
MD	SERIES
1	DIMENSION: 1 = 42 mm
L	LUBRICATOR
00	DESIGN TYPE: 00 = oil mist with refill valve 10 = oil mist without refill valve
1/8	PORTS (IN - OUT)*: = without ports 1/8 = G1/8 1/4 = G1/4 3/8 = G3/8 6 = tube ø 6 8 = tube ø 8 10 = tube ø 10

* NOTE: if the inlet (IN) cartridge is different from the outlet (OUT) cartridge, both dimensions shall be indicated.
Example: MD1-L00-1/4-1/8

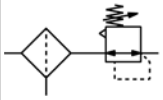
Series MD pressure filter-regulators

New

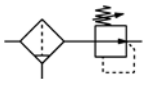
Ports with interchangeable cartridges: threaded (1/8, 1/4, 3/8) or integrated with super-rapid fitting for tube with ø 6, 8 and 10 mm. Modular assembly
Bowl with technopolymer cover and bayonet-type mounting



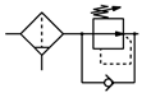
FR01 = filter-regulator with relieving and semi-automatic manual drain



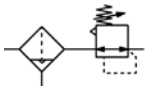
FR02 = filter-regulator with relieving and direct G1/8 exhaust



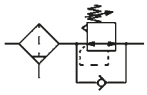
FR11 = filter-regulator without relieving, with semi-automatic manual drain



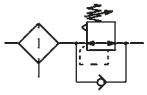
FR13 = filter-regulator without relieving, with by-pass valve and semi-automatic manual drain



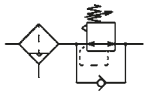
FR18 = filter-regulator with relieving and automatic/depressuring drain



FR24 = filter-regulator with relieving, by-pass valve and semi-automatic manual drain



FR25 = filter-regulator with relieving, by-pass valve and direct G1/8 exhaust



FR26 = filter-regulator with relieving, by-pass valve and automatic/depressuring drain



CODING EXAMPLE

MD	1	-	FR	0	0	0	0	-	1/8

MD	SERIES
1	DIMENSION: 1 = 42 mm
FR	FILTER-REGULATOR
0	FILTERING ELEMENT AND DESIGN TYPE: 0 = 25 µm with relieving 1 = 5 µm with relieving 2 = 25 µm without relieving * 3 = 5 µm without relieving * 4 = 25 µm with relieving and by-pass valve 5 = 5 µm with relieving and by-pass valve 6 = 25 µm without relieving, with by-pass valve * 7 = 5 µm without relieving, with by-pass valve * * this option is available with semiautomatic-manual drain only
0	CONDENSATE DRAIN: 0 = semiautomatic-manual drain 5 = automatic drain, protected depressurisation 8 = direct G1/8 exhaust
0	OPERATING PRESSURE (1 bar = 14,5 psi): 0 = 0.5 ÷ 10 bar 2 = 0 ÷ 2 bar 4 = 0 ÷ 4 bar 7 = 0.5 ÷ 7 bar
0	PRESSURE GAUGE: 0 = without pressure gauge (with 1/8 port)
1/8	PORTS (IN - OUT)*: = without cartridges 1/8 = G1/8 1/4 = G1/4 3/8 = G3/8 6 = tube ø 6 8 = tube ø 8 10 = tube ø 10

* NOTE: if the inlet (IN) cartridge is different from the outlet (OUT) cartridge, both dimensions shall be indicated.
Example: MD1-FR0000-1/4-1/8

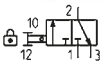
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Series MD lockable isolation 3/2-way valves

New

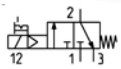
Ports with interchangeable cartridges: threaded (1/8, 1/4, 3/8) or integrated with super-rapid fitting for tube with ø 6, 8 and 10 mm. Modular. Manual, electro-pneumatic, servo-pilot and pneumatic control



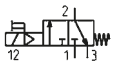


VN27 =
valve with lockable manual control

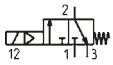




EV10 =
valve with electro-pneumatic control, bistable manual override, lever type

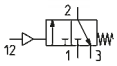


EV54 =
valve with electro-pneumatic control, monostable manual override



EV55 =
valve with electro-pneumatic control without manual override





YES1 =
valve with pneumatic control

CODING EXAMPLE

MD	1	-	V	01	-	1/8

MD	SERIES
1	DIMENSION: 1 = 42 mm
V	3/2-WAY VALVE
01	DESIGN TYPE: 01 = lockable manual control 16 = electro-pneumatic control, Push & Turn manual override 16IL = electro-pneumatic control, bistable manual override, lever type 16IM = electro-pneumatic control, monostable manual override 16IT = electro-pneumatic control without manual override 36 = pneumatic control
1/8	PORTS (IN - OUT) *: = without cartridges 1/8 = G1/8 - 1/4 = G1/4 - 3/8 = G3/8 6 = tube ø 6 - 8 = tube ø 8 - 10 = tube ø 10

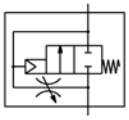
* NOTE: if the inlet (IN) cartridge is different from the outlet (OUT) cartridge, both dimensions shall be indicated. Example: MD1-V01-1/4-1/8

Series MD soft start valves

New

Ports with interchangeable cartridges: threaded (1/8, 1/4, 3/8) or integrated with super-rapid fitting for tube with Ø 6, 8 and 10 mm. Modular assembly





AVP1 =
soft start valve

CODING EXAMPLE

MD	1	-	AV	-	1/8

MD	SERIES
1	DIMENSION: 1 = 42 mm
AV	SOFT START VALVE
1/8	PORTS (IN - OUT) *: = without cartridges - 1/8 = G1/8 - 1/4 = G1/4 - 3/8 = G3/8 6 = tube ø 6 - 8 = tube ø 8 - 10 = tube ø 10

* NOTE: if the inlet (IN) cartridge is different from the outlet (OUT) cartridge, both dimensions shall be indicated. Example: MD1-AV-1/4-1/8

Series MD take-off blocks

New

Module with interchangeable cartridges: threaded (1/8, 1/4, 3/8) or integrated with super-rapid fitting for tube with Ø 6, 8 and 10 mm (5-way version). Intermediate joining cartridge (3-way version)







BL01 =
take-off block

CODING EXAMPLE

MD	1	-	B	00	-	1/8

MD	SERIES
1	DIMENSION: 1 = 42 mm
B	TAKE-OFF BLOCK
00	DESIGN TYPE: 00 = standard derivation
1/8	PORTS (IN - OUT) *: = without cartridges - 1/8 = G1/8 - 1/4 = G1/4 - 3/8 = G3/8 6 = tube ø 6 - 8 = tube ø 8 - 10 = tube ø 10

* NOTE: if the inlet (IN) cartridge is different from the outlet (OUT) cartridge, both dimensions shall be indicated. Example: MD1-B00-3/8-10

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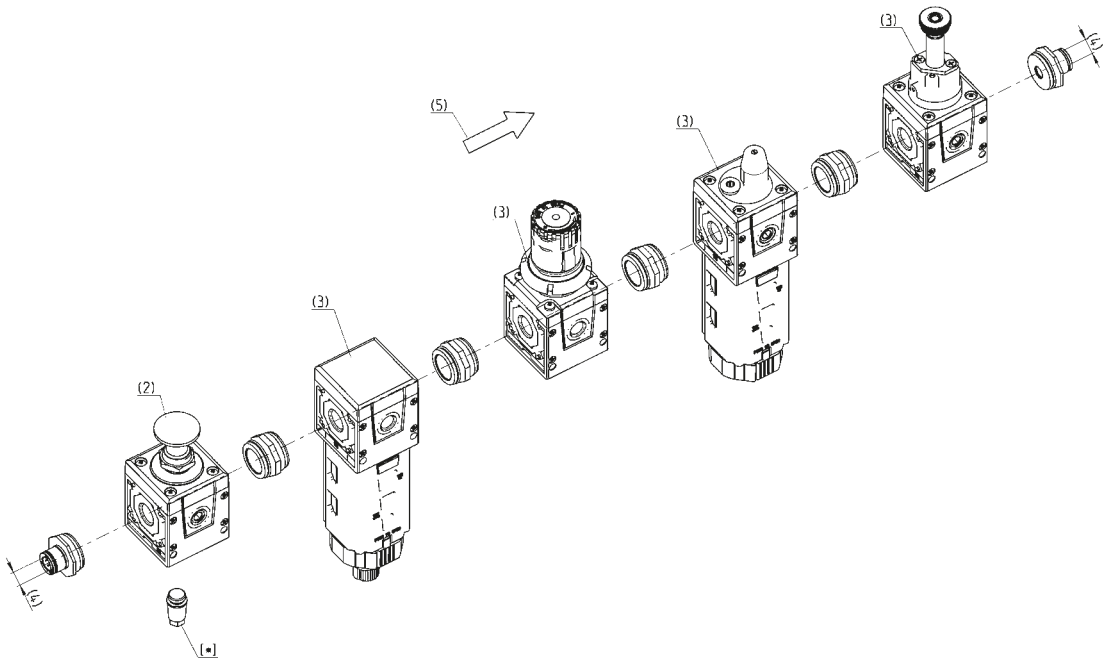
Series MD assembled FRL

New

Ports with interchangeable cartridges: threaded (1/8, 1/4, 3/8)
or integrated with super-rapid fitting for tube with ø 6, 8 and 10 mm
Modular assembly



Configuration of Series MD assembled groups



Configuration of the assembled group in the drawing below:
MD1-V01+A26F000R000L00V16-8

CONFIGURATOR OF SERIES MD ASSEMBLED GROUPS

MD	1	-	V01	F000	R004	L00	V16	-	8	-	LH

MD		SERIES
1	(1)	DIMENSION: 1 = 42 mm
-		
V01	(2)	MODULE + [*] (to configure the modules, see the single components pages): F... = Filter FC... = Coalescing filter FCA... = Activated carbons filter R... = Pressure regulator L... = Lubricator FR... = Filter-Regulator V... = Lockable isolation valve AV... = Soft start valve B... = Take-off block
	[*]	The following ACCESSORIES can be added after every single module: REGULATOR, FILTER-REGULATOR AND MANIFOLD REGULATOR +A01 = M043-P04 (pressure gauge) +A02 = M043-P06 (pressure gauge) +A03 = M043-P10 (pressure gauge) +A04 = M043-P12 (pressure gauge) +A05 = SWCN-P10-P3-2 (pressure switch) +A06 = SWCN-P10-P4-2 (pressure switch) +A07 = SWCN-P10-P4-M (pressure switch) +A08 = PG010-PB-1/8 (pressure gauge) LOCKABLE ISOLATION VALVE ...V01 / V16 / V36 +A25 = 2901 1/8 (silencier) +A26 = 2921 1/8 (silencier) - recommended choice +A27 = 2931 1/8 (silencier) +A28 = 2938 1/8 (silencier) +A01 = M043-P04 (pressure gauge) +A02 = M043-P06 (pressure gauge) +A03 = M043-P10 (pressure gauge) +A04 = M043-P12 (pressure gauge) +A05 = SWCN-P10-P3-2 (pressure switch) +A06 = SWCN-P10-P4-2 (pressure switch) +A07 = SWCN-P10-P4-M (pressure switch) +A08 = PG010-PB-1/8 (pressure gauge) LOCKABLE ISOLATION VALVE...V16 +A35 = U7H (coils 12V DC) +A36 = U77 (coils 24V DC) +A37 = U79 (coils 48V DC) +A38 = U7K (coils 110V AC) +A39 = U7J (coils 230V AC) +A40 = G7H (coils 12V DC) +A41 = G77 (coils 24V DC) +A42 = G79 (coils 48V DC) +A43 = G7K (coils 110V AC) +A44 = G7J (coils 230V AC) SOFT START VALVE AND 5-WAY TAKE-OFF BLOCK +A15 = PM11-NC (pressure switch mounted on top) +A16 = PM11-NA (pressure switch mounted on top) +A17 = PM681-1 (pressure switch mounted on top) +A18 = PM681-3 (pressure switch mounted on top) +A19 = PM11-SC + S2520 1/8-1/4 (pressure switch with fitting mounted on top) +A05 = SWCN-P10-P3-2 (front mounted pressure switch) +A06 = SWCN-P10-P4-2 (front mounted pressure switch) +A07 = SWCN-P10-P4-M (front mounted pressure switch) +A08 = PG010-PB-1/8 (front mounted pressure switch) INTERMEDIATE JOINING CARTRIDGE WITH DERIVATION (MD1-B) +A17 = PM681-1 (pressure switch mounted on top) +A18 = PM681-3 (pressure switch mounted on top)
F000	(3)	see MODULE (2) + [*]
R004	(3)	see MODULE (2) + [*]
L00	(3)	see MODULE (2) + [*]
V16	(3)	see MODULE (2) + [*]
-		
8	(4)	PORTS (IN - OUT)**: = without cartridges 1/8 = G1/8 1/4 = G1/4 3/8 = G3/8 6 = tube ø 6 8 = tube ø 8 10 = tube ø 10
-		
LH	(5)	FLOW DIRECTION: = from left to right (standard) LH = from right to left

nx = the combination “(3) + (*)” can be repeated an odd (“n”) number of times
** NOTE: if the inlet (IN) cartridge is different from the outlet (OUT) cartridge, both dimensions shall be indicated. Example: MD1-V01F000R004-3/8-8

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Series N filters and coalescing filters

New version

Ports G1/8, G1/4
Available with transparent PA12 bowl or nickel-plated brass bowl for the small version (N1)



FT01 = filter without drain with threaded port

FA01 = coalescing filter without drain with threaded port

FT02 = filter with semiautomatic manual drain

FA02 = coalescing filter with semi-automatic manual drain

CODING EXAMPLE

N	2	04	-	F	0	0	-	

N SERIES

2 SIZE:
1 = small bowl (11 cm³)
2 = normal bowl (28 cm³)

04 PORTS:
08 = G1/8
04 = G1/4

F FILTER

0 FILTERING ELEMENT:
0 = 25µm (standard)
1 = 5µm
B = 0.01µm

0 TYPE OF CONDENSATE DRAIN*:
0 = manual - semiautomatic drain
4 = depressurisation - only normal bowl (2)
5 = depressurisation, protected - only normal bowl (2)
8 = no drain, port G1/8

BOWL MATERIAL:
= transparent PA12 (standard)
TM = nickel-plated brass (only in the small size with semi-automatic manual drain or without drain)

* = Further details about condensate drains are available at the end of this chapter

Series N pressure regulators

Ports G1/8, G1/4



PR01 = regulator without relieving

PR02 = regulator with relieving

CODING EXAMPLE

N	12	04	-	R	T	0	-	■	-	●

N SERIES

12 SIZE:
12

04 PORTS:
08 = G1/8
04 = G1/4

R REGULATOR

T OPERATING PRESSURE:
0 = 0.5 ÷ 10 bar (standard)
1 = 0 ÷ 4 bar
2 = 0 ÷ 2 bar
7 = 0.5 ÷ 7 bar
T = calibrated *
B = locked *

0 DESIGN TYPE:
0 = self-relieving
1 = non-relieving

* NOTE: IF THE REGULATOR IS CALIBRATED OR LOCKED, AFTER THE DESIGN TYPE ADD THE INLET PRESSURE "■" AND THE OUTLET PRESSURE "●"
INLET PRESSURE:
■ = enter the SUPPLY pressure value
OUTLET PRESSURE:
● = enter the OUTLET pressure value for the LOCKED regulator or the maximum value of the ADJUSTABLE pressure for the CALIBRATED regulator

Example of a calibrated regulator with Inlet Pressure = 6.3 bar and Outlet Pressure = 4.5 bar
Complete part number: N1204-RT0-6.3-4.5

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Series N lubricators

New version

Ports G1/8, G1/4
Available with transparent PA12 bowl or nickel-plated brass bowl for the small version (N1)





LU01 =
lubricator

CODING EXAMPLE

N	2	04	-	L	00	-	

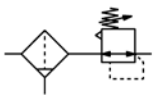
N	SERIES
2	SIZE: 1 = small bowl (26 cm³) 2 = normal bowl (37 cm³)
04	PORTS: 08 = G1/8 04 = G1/4
L	LUBRICATOR
00	DESIGN TYPE: 00 = atomized oil
	BOWL MATERIAL: = transparent PA12 (standard) TM = nickel-plated brass (only in the small size)

Series N filter-regulators

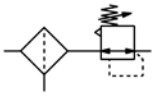
New version

Ports G1/8, G1/4
Available with transparent PA12 bowl or nickel-plated brass bowl for the small version (N1)

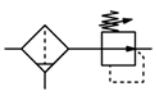




FR01 =
filter-regulator
with relieving and
manual drain



FR02 =
FR with
relieving and
without drain



FR11 =
FR with
manual drain and
without relieving

CODING EXAMPLE

N	2	04	-	D	0	0	-	4	-	

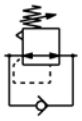
N	SERIES
2	SIZE: 1 = small bowl (11 cm³) 2 = normal bowl (28 cm³)
04	PORTS: 08 = G1/8 04 = G1/4
D	FILTER-REGULATOR
0	FILTERING ELEMENT: 0 = 25µm (standard) 1 = 5µm
0	DRAINING OF CONDENSATE AND DESIGN TYPE: 0 = semi-automatic manual drain with self-relieving 1 = semi-automatic manual drain without relieving 4 = depressurisation with self-relieving (with normal bowl only) 5 = protected depressurisation with self-relieving (with normal bowl only) 8 = no drain (direct port 1/8), with self-relieving
4	OPERATING PRESSURE: = 0,5 ÷ 10 bar (standard) 2 = 0 ÷ 2 bar 4 = 0 ÷ 4 bar 7 = 0,5 ÷ 7 bar
	BOWL MATERIAL: = transparent PA12 (standard) TM = nickel-plated brass (only in the small size with semi-automatic manual drain or without drain)

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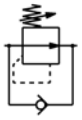
Series CLR micro pressure regulators

Ports G1/4, G1/8
With banjo stem with or without relieving
Available with or without banjo in technopolymer





PR03 = Regulator with relieving and by-pass valve



PR04 = Regulator without relieving and with by-pass valve

Mod.
CLR 1/8-4
CLR 1/8-6
CLR 1/8-8
CLR 1/4-6
CLR 1/4-8

Mod.
CLR 1/8
CLR 1/4

CODING EXAMPLE

CL	R		1/8	-	01	-	4

CL	SERIES
R	REGULATOR
1/8	PORTS: 1/8 = G1/8 - 1/4 = G1/4
	DESIGN TYPE: = with relieving 01 = without relieving
4	TUBE: = without banjo 4 = ø 4 mm (G1/8 only) 6 = ø 6 mm 8 = ø 8 mm

Series M pressure microregulators

Ports G1/8, G1/4

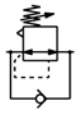




PR01 = regulator without relieving



PR02 = regulator with relieving



PR03 = regulator with relieving and by-pass valve

Mod.
M008-R00*
M004-R00*
* = calibrated or blocked regulator avalaible on request

CODING EXAMPLE

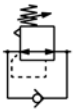
M	0	04	-	R	T	0	-	■	-	●

M	SERIES
0	SIZE
04	PORTS: 08 = G1/8 - 04 = G1/4
R	REGULATOR
T	OPERATING PRESSURE: 0 = 0.5 ÷ 10 bar (standard) 1 = 0 ÷ 4 bar 2 = 0 ÷ 2 bar 7 = 0.5 ÷ 7 bar T = calibrated * B = locked *
0	DESIGN TYPE: 0 = self relieving 1 = non relieving 5 = precise setting
	REGULATION TYPE: = without high relief flow (standard) VS = high relief flow
	* NOTE: IF THE REGULATOR IS CALIBRATED OR LOCKED, AFTER THE REGULATION TYPE ADD THE INLET PRESSURE "■" AND THE OUTLET PRESSURE "●" INLET PRESSURE: ■ = enter the SUPPLY pressure value OUTLET PRESSURE: ● = enter the OUTLET pressure value for the LOCKED regulator or the maximum value of the ADJUSTABLE pressure for the CALIBRATED regulator Example of a calibrated regulator with Inlet Pressure = 6.3 bar and Outlet Pressure = 4.5 bar Complete part number: M04-RT0-6.3-4.5

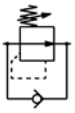
Series T pressure microregulators

Ports G1/8 and G1/4





PR03 = regulator with relieving and by-pass valve



PR04 = regulator without relieving and with by-pass valve

Mod.
T108-R00
T104-R00

CODING EXAMPLE

T	1	08	-	R	0	0

T	SERIES
1	SIZE
08	PORTS: 08 = G1/8 04 = G1/4
R	REGULATOR
0	OPERATING PRESSURE: 0 = 0,5 ÷ 10 1 = 0 ÷ 4 2 = 0 ÷ 2 7 = 0 ÷ 7 (standard)
0	DESIGN TYPE: 0 = self-relieving 1 = non relieving

Series PR precision regulators with manual override

Ports: G1/4





PR02 = regulator with relieving

CODING EXAMPLE

PR	1	04	-	M	07

PR	SERIES
1	SIZE: 1 = size 1
04	PORTS: 04 = G1/4
M	TYPE OF ADJUSTMENT: M = manual
07	OPERATING PRESSURE (1 bar = 14,5 psi): 02 = 0.05 ÷ 2 bar 04 = 0.05 ÷ 4 bar 07 = 0.05 ÷ 7 bar (standard)

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