5

AIR PREPARATION & CONDENSATE MANAGEMENT

Air preparation removes water, oil, and particles from compressed air to protect downstream components.

Condensate management is essential for your pneumatic system's healthy running and maintenance.

FRLs











CK CAMOZ



I FESTO

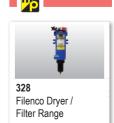


Lubricator Ranges &

Accessories

327 Stainless Steel Filter Regulators

PARKAIR°



AIR PREPARATION & CONDENSATE MANAGEMENT

CONDENSATE MANAGEMENT





330 Dropout® Water Drains & Separators

■ /// JORC **■**



Compressed Air Energy
Savers



332 Air Saver Light Switch

■ ///JORC |



332Air-Saver Remote Control



333 Magnetically Operated Zero Air Loss Drains



333
Pneumatically
Operated Level Sensed
Condensate Drain



334Electronic Zero Air Loss Drains



334 Electronic Zero Air Loss Condensate Drains

■ /// JORC



Digital Timer Drains with Integrated Strainer



335 Electronic Timer Drains



336Unblockable Motorised Ball Valve Drains



336 Oil / Water Separators



339Service Kits, Service Units & Accessories



Master Pneumatic FRLs

using 0.3 to 0.01-micron elements. You can add an adsorbing filter to remove airline vapours. These filters produce air free of oil and hydrocarbon vapours, eliminating odours from alcohols, esters, and ketones.

filters, which utilise clay desiccant, activated carbon, or molecular sieves for point-of-use cleaning and drying.

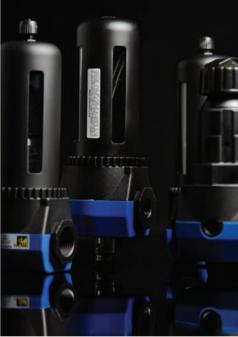
Available Ranges

- 380 Series Modular Range
 Vanguard Modular Range
 Vanguard Modular Range
 Vanguard High-Capacity Range
 Filenco Dryer / Filter Range

- Fload and Beverage for precise CO₂ and nitrogen control, commonly used in soft drink and beer dispensing systems and ice manufacturing
 General Industry applications requiring large volumes of air, such as in the glass, press, steel, and sandblasting equipment industries.

Ambient / media temperature: *4°C to 52°C (40°F to 125°F)
Fluid media: Compressed air
Seals: Nitrile











GENERAL PURPOSE FILTERS

FEATURES

In-line mountingBSPP threads, NPTF optional

SPECIFICATIONS

OI LOII IOATIONO	
Ambient / media temperature	Plastic bowl: 4°C to 52°C (40°F to 125°F) Metal bowl: 4°C to 66°C (40°F to 150°F)
Head	Aluminium
Bowl	60 ml (2 oz) capacity polycarbonate plastic, optional aluminium bowl
Filter element	5 μm rated polyethylene, optional 5 μm, 20 μm or 40 μm sintered bronze
Inlet pressure	1 bar minimum with automatic drain. Plastic bowl: 10 bar maximum. Metal bowl: 14 bar maximum
Fluid media	Compressed air
Seals	NBR
Dimensions A x B x C	Plastic bowl: 41 x 99 x 9.5 mm Metal bowl: 41 x 109 x 9.5 mm



SERIES F50

MANUAL DRAIN PLASTIC BOWL





PART NUMBER PORT SIZE FILTRATION M-F50-1W G1/8" 5 micron M-F50-2W G1/4" 5 micron



SERIES FD50

AUTOMATIC DRAIN PLASTIC BOWL

PART NUMBER	PORT SIZE	FILTRATION
M-FD50-1W	G1/8"	5 micron
M-FD50-2W	G1/4"	5 micron

COALESCENT FILTERS

FEATURES

In-line mounting
 BSPP threads, NPTF optional

SPECIFICATIONS

Dimensions A x B x C

Ambient / media temperature Plastic bowl: 4°C to 52°C (40°F to 125°F) Metal bowl: 4°C to 66°C (40°F to 150°F) Head Aluminium 60 ml (2 oz) capacity polycarbonate plastic, Rowl optional aluminium bowl Filter element 0.3 µm rated borosilicate glass-fibre coalescing element, optional 0.01 µm rated Inlet pressure 1 bar minimum with automatic drain. Plastic bowl: 10 bar maximum. Metal bowl: 14 bar maximum Fluid media Compressed air Seals NBR

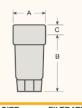
Plastic bowl: 41 x 99 x 9.5 mm

Metal bowl: 41 x 109 x 9.5 mm



SERIES FC50

MANUAL DRAIN PLASTIC BOWL





PART NUMBER PORT SIZE FILTRATION M-FC50-1W G1/8 0.3 micron M-FC50-2W G1/4" 0.3 micron

SERIES FCD50 AUTOMATIC DRAIN PLASTIC BOWL





M-FCD50-2W G1/4" 0.3 micron	D4 D7 111111DED	DODE 0175	EU ED ATION
M-FCD50-2W G1/4" 0.3 micron	PART NUMBER	PORT SIZE	FILTRATION
	M-FCD50-2W	G1/4"	0.3 micron





PRESSURE REGULATORS

FEATURES

· In-line mounting

- Optional gauge
- BSPP threads, NPTF optional
- · Self-relieving with non-relieving option

SPECIFICATIONS

Ambient / media temperature	4°C to 52°C (40°F to 125°F)
Head	Aluminium
Dome & knob	Acetal & glass filled nylon
Inlet pressure	21 bar maximum
Outlet pressure	0 to 7 bar
Optional pressure gauge	0 to 11 bar, 1/8" BSPT gauge ports front & rear
Panel mounting	30 mm (1 3/16") hole required
Fluid media	Compressed air
Seals	NBR
Dimensions A x B x C	41 x 68 x 10 mm





PISTON TYPE





3210

PART NUMBER	PORT SIZE	PRESSURE RANGE
M-R55M-1W	G1/8"	0 – 7 bar
M-R55M-2W	G1/4"	0 – 7 bar





3210

SEDIES	D56M	
OLIVILO	IXOUN	
DIABLID	A O BA TV	

DIAPHRAGM TYPE

PART NUMBER	PORT SIZE	PRESSURE RANGE
M-R56M-1W	G1/8"	0 – 7 bar
M-R56M-2W	G1/4"	0 – 7 bar

FEATURES

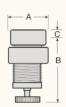
- In-line mounting
- Diaphragm type design
 Self-relieving, non-relieving optional
- Optional gauge
- Repeatability ± 0.017 bar with 7 bar inlet pressure
- BSPP threads, NPTF optional

SPECIFICATIONS

Ambient / media temperature	4°C to 52°C (40°F to 125°F)
Head	Aluminium
Dome	Aluminium
Inlet pressure	21 bar maximum
Outlet pressure	0 to 3.4 bar 0 to 4.14 bar with optional springs
Optional pressure gauge	0 to 11 bar, 1/8" BSPT gauge ports front & rear
Panel mounting	30 mm (1 3/16") hole required
Fluid media	Compressed air
Seals	NBR
Dimensions A x B x C	44 x 86 x 10 mm



SERIES R57 DIAPHRAGM TYPE





PART NUMBER	PORT SIZE	PRESSURE RANGE
M-R57M-1W	G1/8"	0 – 3.4 bar
M-R57M-2W	G1/4"	0 – 3.4 bar

AIR-LINE LUBRICATORS

FEATURES

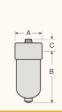
- In-line mounting
- Wick feed design
 Internal, tamperproof adjustment
 BSPP threads, NPTF optional

SPECIFICATIONS

Ambient / media temperature	Plastic bowl: 4°C to 52°C (40°F to 125°F) Metal bowl: 4°C to 66°C (40°F to 150°F)
Head	Aluminium
Bowl	60 ml (2 oz) capacity polycarbonate plastic; optional aluminium bowl
Inlet pressure	Plastic bowl: 10 bar maximum Metal bowl: 14 bar maximum
Oil adjustment	Internal, tamperproof
Fluid media	Compressed air
Seals	NBR
Dimensions A x B x C	Plastic bowl: 41 x 91 x 17 mm Metal bowl: 41 x 97 x 17 mm



SERIES L50 WICK FEED PLASTIC BOWL





3210	

PART NUMBER	PORT SIZE	RESERVOIR CAPACITY	
M-L50-1W	G1/8"	60 ml	
M-L50-2W	G1/4"	60 ml	



ADJUSTABLE RELIEF VALVES

FEATURES

- In-line mounting
- · Diaphragm type design
- · Optional pressure gauge
- · BSPP threads, NPTF optional

SPECIFICATIONS

4°C to 52°C (40°F to 125°F)
Aluminium
Nylon & acetal
20 bar maximum
0.07 to 6.9 bar
10 to 30 SCFM (4.7 to 14 l/s) with a pressure differential of 0.7 to 1 bar
5 ml/min
0 to 11 bar, 1 1/2 inch dial face, 1/8" BSPT gauge ports front & rear
30 mm (1 3/16") hole required
Compressed air
NBR
41 x 68 x 10 mm







SERIES RV56

DIAPHRAGM TYPE

M-RV56-1W G1/8" 0.07 – 6.9 bar	PART NUMBER	PORT SIZE	RELIEVING RANGE
M-PV56-2W G1/4" 0.07 – 6.9 har	M-RV56-1W	G1/8"	0.07 - 6.9 bar
0.07 = 0.3 bai	M-RV56-2W	G1/4"	0.07 - 6.9 bar

INTEGRAL FILTER / REGULATORS

FEATURES

- · Filter & regulator consolidated in a single assembly
- In-line mounting
- Piston type regulator (CFDR55M & CFR55M model)
- Diaphragm type regulator (CFDR56M & CFR56M model)
- Self-relieving regulator, non-relieving optional
- Pressure gauge included
- BSPP threads, NPTF optional

SPECIFICATIONS

Ambient / media temperature	4°C to 52°C (40°F to 125°F)
Head	Aluminium
Bowl	60 ml (2 oz) capacity polycarbonate plastic; optional aluminium bowl
Dome & knob	Nylon & acetal
Filter drain	Internal automatic drain, optional manual drain
Filter element	5 μ m-rated polyethylene, optional 5 μ m, 20 μ m or 40 μ m sintered bronze
Inlet pressure	1 bar minimum with automatic drain Plastic bowl: 10 bar maximum Metal bowl: 14 bar maximum
Outlet pressure	0 to 7 bar
Pressure gauge	0 to 11 bar, 1/8" BSPT gauge ports front & rear
Panel mounting	30 mm (1 3/16") hole required
Fluid media	Compressed air
Seals	NBR
Dimensions A x B x C	Plastic bowl: 41 x 99 x 67 mm Metal bowl: 41 x 109 x 67 mm





SERIES CFDR55

PART NUMBER

M-CFDR55M-1W

PISTON TYPE WITH AUTOMATIC INTERNAL DRAIN, PLASTIC BO

PORT

SIZE

G1/8'

G1/4"

MATIC IC BOWL		W	3210
PRESSURE RANGE	FILTRATION		
0 – 7 bar	5 micron		
0 – 7 bar	5 micron		

M-CFDR55M-2W **SERIES CFDR56**

DIAPHRAGM TYPE WITH AUTOMATIC INTERNAL DRAIN

M-CFDR56M-1W	G1/8"	0 – 7 bar	5 micron
M-CFDR56M-2W	G1/4"	0 – 7 bar	5 micron





LASTIC BOWL				•	321
PART NUMBER	PORT SIZE	PRESSURE RANGE	FILTRATION		
M-CFR55M-1W	G1/8"	0 – 7 bar	5 micron		
M-CFR55M-2W	G1/4"	0 – 7 bar	5 micron		

SERIES CFR56

SERIES CFR55M PISTON TYPE WITH MANUAL DRAIN

DIAPHRAGM TYPE WITH MANUAL DRAIN

M-CFR56M-1W	G1/8"	0 – 7 bar	5 micron	
M-CFR56M-2W	G1/4"	0 – 7 bar	5 micron	





3210

GENERAL PURPOSE FILTERS

FEATURES

- Modular or in-line mounting
 BSPP threads, NPTF optional

SPECIFICATIONS

Ambient / media temperature	Plastic bowl, both drain types 4°C to 52°C (40°F to 125°F) Metal bowl, manual drain 4°C to 79°C (40°F to 175°F) Metal bowl, auto float drain 4°C to 66°C (40°F to 150°F)
Head	Die-cast zinc
Bowl	151 ml (5.1 oz) capacity polycarbonate plastic with nylon shatterguard. Metal bowl 177 ml (6 oz) aluminium with clear nylon sight glass.
Cap colour	Blue standard. Accent grey, yellow & red optional
Filter element	5 μm rated polyethylene, optional 5 μm, 20 μm & 40 μm rated sintered bronze element.
Inlet pressure	Plastic bowl & manual drain: 0 to 10 bar (0 to 150 psig) Plastic bowl & auto float drain: 2 to 10 bar (30 to 150 psig) Metal bowl & manual drain: 0 to 17 bar (0 to 250 psig) Metal bowl & auto float drain: 2 to 14 bar (30 to 200 psig)
Fluid media	Compressed air
Seals	NBR
Dimensions A x B x C	Plastic bowl: 76.2 x 140.6 x 28.3 mm Metal bowl: 76.2 x 163.1 x 28.3 mm



SERIES F350

FILTER WITH PLASTIC BOWL MANUAL DRAIN

PART NUMBER	PORT SIZE	FILTRATION
M-F350-2C3W	G1/4"	5 micron
M-F350-3C3W	G3/8"	5 micron
M-F350-4C3W	G1/2"	5 micron



SERIES BF350

FILTER WITH METAL BOWL **AUTOMATIC DRAIN**

PART NUMBER	PORT SIZE	FILTRATION
M-BF5A350-2C3W	G1/4"	5 micron
M-BF5A350-3C3W	G3/8"	5 micron
M-BF5A350-4C3W	G1/2"	5 micron

FEATURES

- In-line mounting
 BSPP threads, NPTF optional

SPECIFICATIONS

Ambient / media temperature	Plastic bowl, both drain types 4°C to 52°C (40°F to 125°F) Metal bowl, manual drain 4°C to 79°C (40°F to 175°F) Metal bowl, auto float drain 4°C to 66°C (40°F to 150°F)
Head	Die-cast zinc
Bowl	151 ml (5.1 oz) capacity polycarbonate plastic with nylon shatterguard. Metal bowl 177 ml (6 oz) aluminium with clear nylon sight glass. Optional 300 ml (10 oz) extended aluminium bowl with clear nylon sight glass & higher flow filter element.
Cap colour	Blue standard. Accent grey, yellow & red optional
Filter element	0.3 μm rated borosilicate glass-fibre, optional. 0.01 μm rated element (reduces flow by 20%)
Inlet pressure	Plastic bowl & manual drain: 0 to 10 bar (0 to 150 psig) Plastic bowl & auto float drain: 2 to 10 bar (30 to 150 psig) Metal bowl & manual drain: 0 to 17 bar (0 to 250 psig) Metal bowl & auto float drain: 2 to 14 bar (30 to 200 psig)
Fluid media	Compressed air
Seals	NBR
Dimensions A x B x C	Plastic bowl: 76.2 x 140.7 x 59.3 mm Metal bowl: 76.2 x 163.1 x 59.3 mm Metal extended bowl: 76.2 x 241.6 x 59.3 mm



SERIES FC350

COALESCING FILTER WITH PLASTIC BOWL & GAUGE MANUAL DRAIN



PART NUMBER	PORT SIZE	FILTRATION
M-FC350S-2C3W	G1/4"	0.3 micron
M-FC350S-3C3W	G3/8"	0.3 micron
M-FC350S-4C3W	G1/2"	0.3 micron

SERIES BFC350

COALESCING FILTER WITH METAL BOWL & GAUGE AUTOMATIC DRAIN

AO IOMATIO DIVAN			_	3210
PART NUMBER	PORT SIZE	FILTRATION		
M-BFC5A350S-2C3W	G1/4"	0.3 micron		
M-BFC5A350S-3C3W	G3/8"	0.3 micron		
M-BFC5A350S-4C3W	G1/2"	0.3 micron		





ADSORBER FILTERS

DESCRIPTION

Adsorbing filters are designed to remove vapours from the air line that cannot be removed by a coalescing filter. They produce air that is virtually free of oil & hydrocarbons as required by industries such as food processing, electronics, & instrumentation.

The filter cartridges contain activated carbon to adsorb hydrocarbon vapours & odours from alcohols, esters, & ketones.

An adsorbing filter should always be preceded by a particulate filter & a coalescing filter.

FEATURES

- · Modular or in-line mounting
- BSPP port threads, NPTF optional

SPECIFICATIONS

Ambient / media temperature	Plastic bowl: 4°C to 52°C (40°F to 125°F) Metal bowl manual drain: 4°C to 79°C (40°F to 175°F)
Bowl	151 ml (5 oz) capacity polycarbonate plastic with nylon shatterguard. Metal bowl 177 ml (6 oz) aluminium with clear nylon sight glass. Optional 300 ml (10 oz) extended aluminium bowl with clear nylon sight glass & extended flow filter element
Bowl ring	Nylon
Cap colour	Yellow standard. Accent grey, blue & red optional
Filter cartridge	Activated carbon with urethane seals
Inlet pressure	Plastic bowl & manual drain: 0 – 10 bar Metal bowl & manual drain: 0 – 17 bar
Seals	NBR
Dimensions A x B x C	Plastic bowl: 76 x 140 x 28 mm Metal bowl: 76 x 163 x 28 mm Extended metal bowl: 76 x 241 x 28 mm



ADSORBER FILTER WITH PLASTIC BOWL MANUAL DRAIN



PART NUMBER	PORT SIZE	RESERVOIR CAPACITY	
M-FC350-2CE9W	G1/4"	151 ml	
M-FC350-3CE9W	G3/8"	151 ml	
M-FC350-4CE9W	G1/2"	151 ml	



SERIES BFC350-E9

ADSORBER FILTER WITH METAL BOWL MANUAL DRAIN

PART NUMBER	PORT SIZE	RESERVOIR CAPACITY
M-BFC350-2C3E9W	G1/4"	151 ml
M-BFC350-3C3E9W	G3/8"	151 ml
M-BFC350-4C3E9W	G1/2"	151 ml

REGULATORS

FEATURES

- · Modular or in-line mounting
- Self-relieving, diaphragm type regulator, non-relieving optional
 Optional, removable, pressure adjustment locking key, tamper resistant pressure setting

 BSPP threads, NPTF optional
- · Pressure gauge optional

SPECIFICATIONS

Ambient / media temperature	4°C to 79°C (40°F to 174°F)
Head	Die-cast zinc
Dome & valve cap	Nylon
Inlet pressure	300 psig (21 bar) maximum
Output pressure range	See table
Optional pressure gauge	0 to 14 bar, 1/4" BSPT gauge ports front & rear
Panel mounting	52 mm (2.05") hole required
Fluid media	Compressed air
Seals	NBR
Valve	Brass
Dimensions A x B x C	76.2 x 114.9 x 37 mm

Gauge supplied separately





P/

DIA

RIES R350 APHRAGM TYF	PΕ		
ART NUMBER	PORT SIZE	PRESSURE RANGE	
M-R350-2W	G1/4"	0 - 10 bar	
M-R350-3W	G3/8"	0 – 10 bar	
M-R350-4W	G1/2"	0 – 10 bar	





3210

SERIES R350

DIAPHRAGM TYPE

DIAI IIIKAOWI I II	_		3210
PART NUMBER	PORT SIZE	PRESSURE RANGE	
M-R350-4LW	G1/2"	0 - 3.4 bar	
M-R350-4L100W	G1/2"	0 – 7.0 bar	
M-R350-4HW	G1/2"	0 - 14.0 bar	
M-R350-4H250W	G1/2"	0 - 17.0 bar	



m_o

AIR-LINE LUBRICATORS

FEATURES

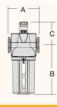
- · Modular or in-line mounting
- Sight feed design, transparent dome shows how much oil is being dispensed
- External oil adjusting knob, removable for tamper resistance
- Polycarbonate plastic bowl with nylon shatterguard or aluminium bowl with clear nylon sight glass
- · All working parts can be replaced with a single service cartridge
- · BSPP threads, NPTF optional

SPECIFICATIONS

Ambient / media temperature	Plastic bowl: 4°C to 52°C (40°F to 125°F) Metal bowl: 4°C to 79°C (40°F to 175°F)
Head	Die-cast zinc
Bowl	151 ml (5.1 oz) capacity polycarbonate plastic with nylon shatterguard. Metal bowl 177 ml (6 oz) aluminium with clear nylon sight glass. Optional 300 ml (10 oz) extended aluminium bowl with clear nylon sight glass.
Cap colour	Blue standard. Accent grey, yellow & red optional
Sight dome	Nylon
Inlet pressure	Plastic bowl: 10 bar maximum
	Metal bowl: 17 bar maximum
Fluid media	Compressed air
Seals	NBR
Dimensions A x B x C	Plastic bowl: 76.2 x 119.9 x 56.1 mm Metal bowl: 76.2 x 152.9 x 56.1 mm Metal extended bowl: 76.2 x 238 x 56.1 mm



SERIES L350 LUBRICATOR WITH PLASTIC BOWL

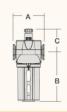




 PART NUMBER M-L350D-2C3W
 PORT SIZE G1/4"
 RESERVOIR CAPACITY

 M-L350D-3C3W M-L350D-4C3W
 G3/8"
 151 ml

 M-L350D-4C3W
 G1/2"
 151 ml





SERIES BL350 LUBRICATOR

WITH METAL BOWL

PART NUMBER	PORT SIZE	RESERVOIR CAPACITY	
M-BL350D-2C3W	G1/4"	177 ml	
M-BL350D-3C3W	G3/8"	177 ml	
M-BL350D-4C3W	G1/2"	177 ml	

COMBINED FILTER / REGULATOR

FEATURES

- · Filter & regulator consolidated into a single, space saving assembly
- Modular or in-line mounting
- Self-relieving, diaphragm type regulator, non-relieving optional
 Optional removable pressure adjustment locking key tamper resi
- Optional, removable, pressure adjustment locking key, tamper resistant pressure setting
- BSPP threads, NPTF optional
- Pressure gauge optional

SPECIFICATIONS

Ambient / media temperature	Plastic bowl, both drain types 4°C to 52°C (40°F to 125°F) Metal bowl, manual drain 4°C to 79°C (40°F to 175°F) Metal bowl, auto float drain 4°C to 66°C (40°F to 150°F)
Head	Die-cast zinc
Dome & valve cap	Nylon
Bowl	151 ml (5.1 oz) capacity polycarbonate plastic with nylon shatterguard. Metal bowl 177 ml (6 oz) aluminium with clear nylon sight glass
Filter bowl drain	Manual drain
Filter element	5 μm rated polyethylene, optional 5 μm, 20 μm & 40 μm rated sintered bronze element.
Inlet pressure	Plastic bowl & manual drain: 0 to 150 psig (0 to 10 bar) Plastic bowl & float drain: 30 to 150 psig (2 to 10 bar) Metal bowl & manual drain: 0 to 250 psig (0 to 17 bar) Metal bowl & float drain: 30 to 200 psig (2 to 14 bar)
Outlet pressure	0 to 10 bar (150 psig), optional adjusting springs
Optional pressure gauge	0 to 14 bar, 1/4" BSPT gauge ports front & rear
Panel mounting	52 mm (2.05") hole required
Fluid media	Compressed air
Seals	NBR
Valve	Brass
Dimensions A x B x C	Plastic bowl: 76.2 x 140.6 x 119 mm Metal bowl: 76.2 x 161.8 x 119 mm





FILTER / REGULATOR WITH PLASTIC BOWL MANUAL DRAIN

PART NUMBER

M-CFR350-2W

M-CFR350-3W

M-CFR350-4W



PORT SIZE

G1/4"

G3/8'

G1/2"



FILTRATION
5 micron
5 micron
5 micron





SERIES BCFR350

FILTER / REGULATOR WITH METAL BOWL AUTOMATIC DRAIN

PART NUMBER	PORT SIZE	FILTRATION
M-BCF5AR350-2W	G1/4"	5 micron
M-BCF5AR350-3W	G3/8"	5 micron
M-BCF5AR350-4W	G1/2"	5 micron



CDECIFICATIONS

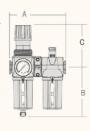
FILTER / REGULATOR & LUBRICATOR

SPECIFICATIONS	
Ambient / media temperature	Plastic bowl, both drain types 4°C to 52°C (40°F to 125°F) Metal bowl, manual drain 4°C to 79°C (40°F to 175°F) Metal bowl, auto float drain 4°C to 66°C (40°F to 150°F)
Head	Die-cast zinc
Sight dome	Clear nylon
Regulator valve	Brass
Regulator dome & valve cap	Nylon
Cap colour	Filter / regulator, black only. Blue lubricator, red, yellow & grey optional.
Bowl	151 ml (5.1 oz) capacity polycarbonate plastic with nylon shatterguard, Optional 177 ml (6 oz) aluminium with clear nylon sight glass.
Filter drain	Internal automatic drain, optional manual drain
Filter element	5 μm rated polyethylene, optional 5 $\mu m,20~\mu m$ & 40 μm rated sintered bronze element.
Inlet pressure	Plastic bowl & manual drain: 0 to 10 bar (0 to 150 psig) Plastic bowl & auto float drain: 2 to 10 bar (30 to 150 psig) Metal bowl & manual drain: 0 to 17 bar (0 to 250 psig) Metal bowl & auto float drain: 2 to 14 bar (30 to 200 psig)
Outlet pressure	0 to 10 bar
Pressure gauge	0 to 14 bar, 1/4" BSPT gauge ports front & rear
Fluid media	Compressed air
Seals	NBR
Dimensions A x B x C	Plastic bowl: 164.5 x 140.7 x 118.9 mm Metal bowl: 164.5 x 163.1 x 118.9 mm Metal extended bowl: 164.5 x 237.1 x 118.9 mm

FEATURES

- Filter & regulator consolidated in a single assembly, sight feed lubricator
- · Modular or optional in-line mounting
- · External tamper resistant oil adjustment
- · Self-relieving, diaphragm type regulator, non-relieving optional
- Pressure gauge, two gauge ports · BSPP threads, NPTF optional







SERIES 350 INTEGRAL ASSEMBLY

PLASTIC BOWLS AUTOMATIC FLOAT DRAIN WITH PRESSURE GAUGE

PART NUMBER	PORT SIZE	PRESSURE RANGE	FILTRATION	
M-DAG3A0B6A1B	G1/4"	0 – 10 bar	5 micron	
M-DAG3A0B6A1C	G3/8"	0 – 10 bar	5 micron	
M-DAG3A0B6A1D	G1/2"	0 – 10 bar	5 micron	

For wall mounting brackets use part number M-A118-103

FILTER / REGULATOR / LUBRICATOR

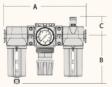
SPECIFICATIONS	
Ambient / media temperature	Plastic bowl, both drain types 4°C to 52°C (40°F to 125°F) Metal bowl, manual drain 4°C to 79°C (40°F to 175°F) Metal bowl, auto float drain 4°C to 66°C (40°F to 150°F)
Head	Die-cast zinc
Sight dome	Clear nylon
Regulator valve	Brass
Regulator dome & valve cap	Nylon
Cap colour	Blue standard. Accent grey, yellow & red optional
Bowl	151 ml (5.1 oz) capacity polycarbonate plastic with nylon shatterguard, optional 177 ml (6 oz) aluminium bowl with clear nylon sight glass. Lubricator bowl has an optional 300 ml (10 oz) extended aluminium bowl with clear nylon sight glass.
Filter drain	Internal automatic float drain, optional manual drain.
Filter element	5 μm rated polyethylene, optional 5 $\mu m,$ 20 μm & 40 μm rated sintered bronze element.
Inlet pressure	Plastic bowl & manual drain: 0 to 10 bar (0 to 150 psig) Plastic bowl & auto float drain: 2 to 10 bar (30 to 150 psig) Metal bowl & manual drain: 0 to 17 bar (0 to 250 psig) Metal bowl & auto float drain: 2 to 14 bar (30 to 200 psig)
Outlet pressure	0 to 10 bar
Pressure gauge	0 to 14 bar, 1/4" BSPT gauge ports front & rear
Seals	NBR
Dimensions A x B x C	Plastic bowl: 247.4 x 140.7 x 56.2 mm Metal bowl: 247.4 x 163.1 x 56.2 mm Metal extended bowl: 247.4 x 238 x 56.2 mm

FEATURES

- Individual filter, regulator & sight feed lubricator
 Internal, automatic float drain included

- Modular or optional in-line mounting
 Self-relieving, diaphragm type regulator, non-relieving optional
 External oil adjustment, tamper resistant
- · Optional removable, pressure adjustment locking key
- · Pressure gauge; two gauge ports
- · BSPP threads; NPTF optional







WITH GAUGE PLASTIC BOWLS **AUTOMATIC FLOAT DRAIN**



PART NUMBER	PORT SIZE	PRESSURE RANGE	FILTRATION
M-DAG1A1B6A1B	G1/4"	0 – 10 bar	5 micron
M-DAG1A1B6A1C	G3/8"	0 – 10 bar	5 micron
M-DAG1A1B6A1D	G1/2"	0 – 10 bar	5 micron

For wall mounting brackets use part number M-A118-103





3210

3210

GENERAL PURPOSE FILTERS

FEATURES

- · Modular or in-line mounting
- · BSPP threads, NPTF optional

SPECIFICATIONS

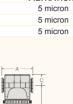
Ambient / media temperature	Plastic bowl, all drain types: 4°C to 52°C (40°F to 125°F) Metal bowl, manual & auto drain: 4°C to 79°C (40°F to 175°F) Metal bowl, float drain: 4°C to 66°C (44° to 150°F)
Head	Die-cast zinc
Bowl	270 ml (9 oz) capacity polycarbonate plastic with steel shatterguard, or aluminium bowl with clear nylon sight glass
Bowl ring	Nylon
Cap colour	Blue standard. Accent grey, yellow & red optional
Filter element	5 μm rated polyethylene, optional 5 μm, 20 μm sintered bronze & 40 μm polyethylene elements
Inlet pressure	Plastic bowl & manual drain: 0 to 10 bar (0 to 150 psig) Plastic bowl & auto float drain: 2 to 10 bar (30 to 150 psig) Metal bowl & manual drain: 0 to 17 bar (0 to 250 psig) Metal bowl & auto float drain: 2 to 14 bar (30 to 200 psig)
Fluid media	Compressed air
Seals	NBR
Dimensions A x B x C	Plastic bowl: 88 x 195 x 28 mm Metal bowl: 88 x 193 x 28 mm



SERIES F380

FILTER WITH PLASTIC BOWL MANUAL DRAIN

PART NUMBER	PORT SIZE	FILTRATION
M-F380-3C3W	G3/8"	5 micron
M-F380-4C3W	G1/2"	5 micron
M-F380-6C3W	G3/4"	5 micron





SERIES FD380

FILTER WITH METAL BOWL **AUTOMATIC DRAIN**

PART NUMBER	PORT SIZE	FILTRATION
M-BF5A380-3C3W	G3/8"	5 micron
M-BF5A380-4C3W	G1/2"	5 micron
M-BF5A380-6C3W	G3/4"	5 micron

FEATURES

- · Modular or in-line mounting
- · Differential pressure gauge to indicate when filter element needs
- · BSPP threads, NPTF optional

SPECIFICATIONS

3F LOII ICATIONS	
Ambient / media temperature	Plastic bowl, all drain types: 4°C to 52°C (40°F to 125°F) Metal bowl, manual & auto: 4°C to 79°C (40°F to 175°F) Metal bowl, auto float drain: 4°C to 66°C (40°F to 150°F)
Head	Die-cast zinc
Bowl	270 ml (9 oz) capacity polycarbonate plastic with steel shatterguard, or aluminium bowl with clear nylon sight glass. Optional 450 ml (15 oz) extended aluminium bowl, with a clear nylon sight glass & higher flow filter element.
Bowl ring	Nylon
Cap colour	Blue standard. Accent grey, yellow & red optional
Filter element	0.3 µm rated borosilicate glass-fibre, optional 0.01 µm rated element (reduces flow by 20%)
Inlet pressure	bar minimum with automatic drain. bar minimum with auto float drain. Plastic bowl: 10 bar maximum Metal bowl: 14 bar maximum
Fluid media	Compressed air
Seals	NBR
Dimensions A x B x C	Plastic bowl: 88 x 195 x 55 mm Metal bowl: 88 x 193 x 55 mm Metal extended bowl: 88 x 284 x 55 mm
Gauge options	Small differential gauge, optional no gauge

or large differential.



SERIES FC380

COALESCENT FILTER WITH PLASTIC BOWL & SMALL DIFFERENTIAL GAUGE MANUAL DRAIN

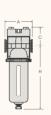
N. W.	T 0
	В



PART NUMBER	PORT SIZE	FILTRATION	
M-FC380S-3C3W	G3/8"	0.3 micron	
M-FC380S-4C3W	G1/2"	0.3 micron	
M-FC380S-6C3W	G3/4"	0.3 micron	



COALESCENT FILTER WITH **METAL BOWL & SMALL DIFFERENTIAL GAUGE AUTOMATIC DRAIN**





	31-1-12	3210	
N			

PART NUMBER	PORT SIZE	FILTRATION	
M-BFC5A380S-3C3W	G3/8"	0.3 micron	
M-BFC5A380S-4C3W	G1/2"	0.3 micron	
M-BFC5A380S-6C3W	G3/4"	0.3 micron	



mo

ADSORBER FILTERS

DESCRIPTION

Adsorbing filters are designed to remove vapours from the air line that cannot be removed by a coalescing filter. They produce air that is virtually free of oil & hydrocarbons as required by industries such as food processing, electronics, & instrumentation.

The filter cartridges contain activated carbon to adsorb hydrocarbon vapours & odours from alcohols, esters, & ketones.

An adsorbing filter should always be preceded by a particulate filter & a coalescing filter.

FEATURES

- · Modular or in-line mounting
- BSPP port threads, NPTF optional

SPECIFICATIONS

Ambient / media temperature	Plastic bowl: 4°C to 52°C (40°F to 125°F) Metal bowl: 4°C to 79°C (40°F to 175°F)
Head	Die-cast zinc
Bowl	270 ml (9 oz) capacity polycarbonate plastic with steel shatterguard, or aluminium bowl. Optional 450 ml (15 oz) extended aluminium bowl includes a higher capacity adsorbing cartridge
Bowl ring	Nylon
Cap colour	Blue standard. Accent grey, yellow & red optional
Filter cartridge	Activated carbon
Inlet pressure	Plastic bowl: 10 bar maximum Metal bowl: 14 bar maximum
Seals	NBR
Dimensions A x B x C	Plastic bowl: 88 x 195 x 28 mm Metal bowl: 88 x 193 x 28 mm Extended metal bowl: 88 x 284 x 28 mm



M

M

М

SERIES FC380-E9

ADSORBER FILTER WITH PLASTIC BOWL MANUAL DRAIN





PART NUMBER	PORT SIZE	RESERVOIR CAPACITY
-FC380-3C3E9W	G3/8"	270 ml
-FC380-4C3E9W	G1/2"	270 ml
-FC380-6C3E9W	G3/4"	270 ml

A C



SERIES FC380-E9 ADSORBER FILTER WITH METAL BOWL

MANUAL DRAIN

PART NUMBER
M-BFC380-3C3E9W
M-BFC380-4C3E9W
M-BFC380-6C3CE9W

	PORT SIZE	RESERVOIR CAPACITY
	G3/8"	270 ml
	G1/2"	270 ml
V	G3/4"	270 ml

PRESSURE REGULATORS

FEATURES

- Modular or in-line mounting. Modular mounting allows regulators to be positioned at increments of 45° for ease of adjustment
- Self-relieving diaphragm design, large diaphragm sensing ratio, non-relieving optional
- Pressure gauge included
- Pressure adjustment locking key, tamper resistant pressure setting
- BSPP threads, NPTF optional

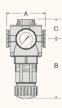
SPECIFICATIONS

Ambient / media temperature	4°C to 79°C (40°F to 175°F)
Head	Die-cast zinc
Dome	Nylon & aluminium with optional 0 to 175 psig spring
Knob	Acetal
Inlet pressure	21 bar maximum
Cap colour	Blue standard. Accent grey, yellow & red optional
Output pressure range	See table
Pressure gauge	0 to 14 bar; 1/4" BSPT gauge ports front & rear
Panel mounting	52 mm (2 1/16") hole required
Fluid media	Compressed air
Seals	NBR
Valve	Brass
Valve cap	Nylon
Dimensions A x B x C	87 x 142 x 40 mm

Supplied complete with locking key





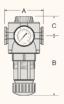




SERIES R380

DIAPHRAGM TYPE

	_		
PART NUMBER	PORT SIZE	PRESSURE RANGE	
M-R380-3GW	G3/8"	0 – 8.6 bar	
M-R380-4GW	G1/2"	0 – 8.6 bar	
M-R380-6GW	G3/4"	0 – 8.6 bar	





SERIES R380

DIAPHRAGM TYPE

DIAI III AOM I II	-		_	3210
PART NUMBER	PORT SIZE	PRESSURE RANGE		
M-R380-6LGW	G3/4"	0 - 3.4 bar		
M-R380-6HGW	G3/4"	0 - 12.0 bar		



AIR-LINE LUBRICATORS

SPECIFICATIONS	
Ambient / media temperature	Plastic bowl: 4°C to 52°C (40°F to 125°F) Metal bowl: 4°C to 79°C (40°F to 175°F)
Head	Die-cast zinc
Bowl	266 ml (9 oz) capacity polycarbonate plastic with steel shatterguard, or aluminium bowl with clear nylon sight glass Optional 444 ml (15 oz) extended aluminium bowl with two clear nylon sight glasses
Bowl ring	Nylon
Cap colour	Blue standard. Accent grey, yellow & red optional
Sight dome	Nylon
Inlet pressure	Plastic bowl: 10 bar maximum
	Metal bowl: 14 bar maximum
Fluid media	Compressed air
Seals	NBR
Reservoir capacity	266 ml
Dimensions A x B x C	Plastic bowl: 88 x 179 x 56 mm Meta bowl I: 88 x 188 x 56 mm Extended metal bowl: 88 x 269 x 56 mm

For accessories, see pages 299-302

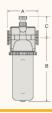
FEATURES

- · Modular or in-line mounting
- · Sight feed design, transparent dome shows how much oil is being dispensed
- External oil adjusting knob, removable for tamper resistance
- · Polycarbonate plastic bowl with steel shatterguard or aluminium bowl with sight glass
- · Optional extended metal bowl
- · All working parts can be replaced with a single service cartridge
- BSPP threads. NPTF optional



SERIES L380D

LUBRICATOR WITH PLASTIC BOWL SIGHT FEED



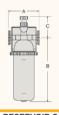


3210

PART NUMBER	PORT SIZE	RESERVOIR CAPACITY	
M-L380D-3C3W	G3/8"	266 ml	
M-L380D-4C3W	G1/2"	266 ml	
M-L380D-6C3W	G3/4"	266 ml	



LUBRICATOR WITH METAL BOWL SIGHT FEED





3210

PART NUMBER P	OKI SIZE	RESERVOIR CAPACITY	
M-BL380D-3C3W	G3/8"	266 ml	
M-BL380D-4C3W	G1/2"	266 ml	
M-BL380D-6C3W	G3/4"	266 ml	

INTEGRAL FILTER / REGULATORS

SPECIFICATIONS	
Ambient / media temperature	Plastic bowl, all drain types: 4°C to 52°C (40°F to 125°F) Metal bowl, manual & auto drains: 4°C to 79°C (40°F to 175°F) Metal bowl, float drain: 4°C to 66°C (40°F to 150°F)
Head	Die-cast zinc
Dome	Nylon, aluminium wth optional 0 to 12 bar spring
Bowl	270 ml (9 oz) aluminum bowl with clear nylon sight glass
Filter bowl drain	Internal automatic drain, optional manual drain or internal float drain.
Cap colour	Black
Filter element	5 μm rated polyethylene, optional 40 μm polyethylene, 5 μm or 20 μm sintered bronze
Inlet pressure	1 bar minimum with automatic drain, 2 bar with float drain Plastic bowl: 10 bar Metal bowl: 14 bar
Outlet pressure	0 to 8.6 bar, optional adjusting springs
Pressure gauge	0 to 14 bar, 1/4" BSPT gauge ports front & rear
Panel mounting	52 mm (2.05") hole required
Fluid media	Compressed air
Seals	NBR
Valve	Brass
Dimensions A x B x C	88 x 195 x 137 mm

FEATURES

- Filter & regulator consolidated into a single, space saving assembly
 Modular or in-line mounting

- Self-relieving, diaphragm type regulator, non-relieving optional
 Removable pressure adjustment locking key, tamper resistant pressure setting
- · Pressure gauge included
- · BSPP threads, NPTF optional





SERIES BCFDR380

INTEGRAL FILTER / REGULATOR WITH METAL BOWL **AUTOMATIC DRAIN**





PART NUMBER	PORT SIZE	FILTRATION
M-BCFDR380-3GW	G3/8"	5 micron
M-BCFDR380-4GW	G1/2"	5 micron
M-BCFDR380-6GW	G3/4"	5 micron





INTEGRAL FILTER / REGULATOR & LUBRICATOR

SPECIFICATIONS	
Ambient / media temperature	Plastic bowl, all drain types: 4°C to 52°C (40°F to 125°F) Metal bowl, manual & auto drain: 4°C to 79°C (40°F to 175°F) Metal bowl, float drain: 4°C to 66°C (40°F to 150°F)
Head	Zinc
Sight dome	Clear nylon
Regulator valve	Brass
Cap colour	Filter / regulator, black only. Blue lubricator as standard, accent grey, yellow & red optional.
Bowl	270 ml (9 oz) polycarbonate plastic bowl, optional aluminium bowl
Filter drain	Internal automatic drain, optional manual drain or float drain
Filter element	$5~\mu m$ rated polyethylene, optional 40 μm element
Inlet pressure	bar minimum with automatic drain, 2 bar minimum with float drain Metal bowls: 13.7 bar maximum Plastic bowls: 10 bar maximum
Outlet pressure	0 to 8.6 bar
Pressure gauge	0 to 14 bar, 1/4" BSPT gauge ports front & rear
Fluid media	Compressed air
Seals	NBR
Dimensions A x B x C	182 x 195 x 137 mm

FEATURES

- Filter & regulator consolidated in a single assembly, sight feed lubricator
- Modular or in-line mounting
- External oil adjustment, tamper resistant
- Self-relieving, diaphragm type regulator, non-relieving optional
 Pressure gauge included two gauge ports
- · BSPP threads, NPTF optional





SERIES 380 AUTOMATIC DRAIN PLASTIC BOWLS

PART NUMBER	PORT SIZE	PRESSURE RANGE	FILTRATION
M-DAM3A0B1A1C	G3/8"	0 – 8.6 bar	5 micron
M-DAM3A0B1A1D	G1/2"	0 – 8.6 bar	5 micron
M-DAM3A0B1A1E	G3/4"	0 – 8.6 bar	5 micron

For wall mounting brackets use part number M-A118-103

FILTER / REGULATOR / LUBRICATOR ASSEMBLIES

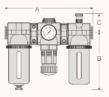
SPECIFICATIONS	
Ambient / media temperature	Plastic bowl, all drain types: 4°C to 52°C (40°F to 125°F) Metal bowl, manual & auto drains: 4°C to 79°C (40°F to 175°F) Metal bowl, float drain: 4°C to 66°C (40°F to 150°F)
Head	Die-cast zinc
Sight dome	Clear nylon
Regulator valve	Nylon
Cap colour	Blue standard. Accent grey, yellow & red optional
Bowl	270 ml (9 oz) polycarbonate plastic bowl, optional aluminium bowl
Filter drain	Internal automatic drain, optional manual drain or float drain
Filter element	5 μm rated polyethylene, optional 40 μm element
Inlet pressure	1 bar minimum with automatic drain, 2 bar minimum with float drain Metal bowls: 13.7 bar maximum Plastic bowls: 10 bar maximum
Outlet pressure	0 to 8.6 bar
Pressure gauge	0 to 14 bar, 1/4" BSPT gauge ports front & rear
Seals	NBR
Fluid media	Compressed air
Dimensions A x B x C	276 x 195 x 56 mm

FEATURES

- · Individual filter, regulator & lubricator
- Modular or in-line mounting
- Self-relieving, diaphragm type regulator, non-relieving optional
 External oil adjustment, tamper resistant
 Removable, pressure adjustment locking key

- · Pressure gauge
- BSPP threads, NPTF optional









PART NUMBER	PORT SIZE	PRESSURE RANGE	FILTRATION
M-DAM1A1B1A1C	G3/8"	0 – 14 bar	5 micron
M-DAM1A1B1A1D	G1/2"	0 – 14 bar	5 micron
M-DAM1A1B1A1E	G3/4"	0 – 14 bar	5 micron

For wall mounting brackets use part number M-A118-103





ULTRA CLEAN FILTER ASSEMBLIES

SPECIFICATIONS	
Ambient / media temperature	Plastic bowl, all drain types: 4°C to 52°C (40°F to 125°F) Metal bowl, manual & auto drains: 4°C to 79°C (40°F to 175°F) Metal bowl, float drain: 4°C to 66°C (40°F to 150°F)
Head	Die-cast zinc
Bowl ring	Nylon
Cap colour	Blue standard. Accent grey, yellow & red optional
Bowl	270 ml (9 oz) polycarbonate plastic bowl, optional aluminum bowl with sight glass. Extended bowls available upon request
Filter drain	Internal automatic drains for general purpose & coalescing filters, manual drain for adsorbing filters
Filter element	General purpose: 5 µm rated polyethylene, Coalescing: 0.3 µm rated borosilicate glass-fibre, optional 0.01µm rated element, Adsorbing: Activated carbon with urethane seals
Inlet pressure	bar minimum bar maximum with metal bowl bar maximum with plastic bowl
Dimensions A x B x C	276 x 195 x 55 mm

FEATURES

- · Consists of general purpose filter, coalescent filter & adsorber filter
- Modular or in-line mounting
- · Differential pressure gauge on coalescing filter to indicate when filter element needs changing
- · BSPP threads, NPTF optional



For wall mounting brackets use part number M-A118-103

5, 0.3 & 0.01 micron

G3/4"

VANGUARD MODULAR RANGE

GENERAL PURPOSE FILTERS

FEATURES

- · Modular or in-line mounting
- BSPP threads, NPTF optional

SPECIFICATIONS

Ambient / media temperature	Plastic bowl, all drains: 4°C to 52°C (40°F to 125°F) Metal bowl, manual & auto: 4°C to 79°C (40°F to 175°F) Metal bowl, float: 4°C to 66°C (40°F to 150°F)
Head	Die cast zinc
Bowl	240 ml (8 oz) capacity polycarbonate plastic with steel shatterguard, optional zinc bowl with clear nylon sight glass
Filter element	5 μm rated polyethylene, optional 5 μm, 20 μm or 40 μm sintered bronze
Inlet pressure	1 bar minimum with auto drain 2 bar minimum with float drain Plastic bowl: 10 bar maximum Metal bowl: 14 bar maximum
Fluid media	Compressed air
Seals	NBR
Dimensions A x B x C	Plastic bowl: 89 x 146 x 16 mm Metal bowl: 89 x 163 x 16 mm
Bowl drain	Manual. Optional automatic, internal, float & brass float

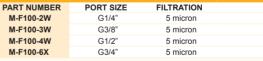


M-DAM1D0A1A9E

SERIES F100

PLASTIC BOWL









3210

SERIES FD100 AUTOMATIC DRAIN PLASTIC BOWL

PART NUMBER	PORT SIZE	FILTRATION
M-FD100-2W	G1/4"	5 micron
M-FD100-3W	G3/8"	5 micron
M-FD100-4W	G1/2"	5 micron
M-FD100-6X	G3/4"	5 micron





FEATURES

- Modular or in-line mounting
- Differential pressure gaugeBSPP threads, NPTF optional

SPECIFICATIONS

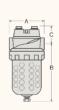
Ambient / media temperature	Plastic bowl, all drains: 4°C to 52°C (40°F to 125°F) Metal bowl, manual & auto: 4°C to 79°C (40°F to 175°F) Metal bowl, float: 4°C to 66°C (40°F to 150°F)
Head	Die cast zinc
Bowl	240 ml (8 oz) capacity polycarbonate plastic with steel shatterguard, optional zinc bowl with clear nylon sight glass. Optional 600 ml (20 oz) extended polycarbonate or zinc bowl has higher flow filter element.
Bowl ring	Aluminium
Filter element	0.3 µm rated borosilicate glass-fibre coalescing element, optional 0.01 µm rated element
Inlet pressure	1 bar minimum with auto drain 2 bar minimum with float drain Plastic bowl: 10 bar maximum Metal bowl: 14 bar maximum
Fluid media	Compressed air
Seals	NBR
Dimensions A x B x C	Plastic bowl: 89 x 146 x 45 mm Extended bowl: 89 x 260 x 45 mm
Bowl drain	Manual. Optional automatic, internal, float & brass float



SERIES FC101H

MANUAL DRAIN **EXTENDED PLASTIC BOWL**







SERIES FC101

MANUAL DRAIN PLASTIC BOWL

PART NUMBER	PORT SIZE	FILTRATION
M-FC101-2W	G1/4"	0.3 micron
M-FC101-3W	G3/8"	0.3 micron
M-FC101-4W	G1/2"	0.3 micron

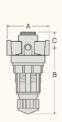
FEATURES

- · Modular assembly & in-line mounting
- Diaphragm type design
 Optional gauge
- Removable, pressure adjustment locking key
 BSPP threads, NPTF optional
 Self-relieving with non-relieving option

SPECIFICATIONS

Ambient / media temperature	4°C to 79°C (40°F to 175°F)
Head	Die cast zinc
Dome	Nylon & aluminium with optional 0 to 175 psig spring
Knob	Acetal
Inlet pressure	21 bar maximum
Outlet pressure	0 to 8.6 bar
Optional pressure gauge	0 to 14 bar, 1/4" BSPP gauge ports front & rear
Panel mounting	52 mm (2 1/16") hole required
Fluid media	Compressed air
Seals	NBR
Valve	Brass
Valve cap	Nylon
Dimensions A x B x C	88.9 x 146 x 33.3 mm







SERIES R100

DIAPHRAGM TYPE

M-R100-2W G1/4" 0 – 8.6 bar M-R100-3W G3/8" 0 – 8.6 bar M-R100-4W G1/2" 0 – 8.6 bar	PART NUMBER	PORT SIZE	PRESSURE RANGE
11.00 011	M-R100-2W	G1/4"	0 – 8.6 bar
M-R100-4W G1/2" 0 – 8.6 bar	M-R100-3W	G3/8"	0 - 8.6 bar
	M-R100-4W	G1/2"	0 - 8.6 bar
M-R100-6W G3/4" 0 – 8.6 bar	M-R100-6W	G3/4"	0 – 8.6 bar







EXTERNALLY PILOTED REGULATORS

FEATURES

- In-line mounting
- Piston-type design
- Self-relieving
- · Pressure gauge included
- · Optional remote sensing
- · Aluminium body & dome
- Flow rates exceeding 4000 SCFM
- · BSPP port threads; optional NPTF threads

SPECIFICATIONS

Ambient / media temperature	4°C to 79°C (40°F to 175°F)
Body & dome	Aluminium
Valve & valve cap	Aluminium
Fluid media	Compressed air
Inlet pressure	21 bar (300 psi) maximum
Outlet pressure	0 to 14 bar (0 to 200 psi) NOTE: Outlet pressure depends on the selection of control regulator
Pilot ports	1/4" BSPP
Pressure gauge	0 to 14 bar (0 to 200 psi); 1/4" BSPP gauge ports front & rear
Seals	NBR, optional FKM
Dimensions A x B x C	214 x 187 x 95 mm





SERIES PR300

PISTON TYPE

PART NUMBER	PORT SIZE	PRESSURE RANGE	
M-PR300-24GW	3" BSPP	0 – 14 bar	

Pilot control regulators (sold separately)

General purpose applications, order: R56M-2, R60-2, R67-2, R100-2 or R380-3

Please contact your distributor for further information

HIGH RELIEF EXTERNALLY PILOTED REGULATORS

FEATURES

- In-line mounting
- · Diaphragm design
- Optional pressure gaugesBSPP port threads: NPTF optional threads
- HPR100 series flow rates exceed 150 SCFM
- HPR180 flow rates exceed 400 SCFM
- High relief characteristics up to 200 SCFM

SPECIFICATIONS

Ambient / media temperature	-18°C to +70°C (0°F to 158°F)
Body & dome	Zinc
Valve cap	Glass filled nylon
Valve	Brass
Elastomers	Nylon
Fluid media	Compressed air
Inlet pressure	0.7 to 27.6 bar (10 to 400 psi)
Outlet pressure	0 to 17.3 bar (0 to 250 psi)
Dimensions A x B x C	HPR100: 106 x 89.3 x 39.1 mm HPR180: 106 x 101.3 x 47.5 mm





SERIES HPR100

PISTON TYPE

DADT NUMBER	PORT SIZE	CAUCE DODT SIZE
PART NUMBER	PURI SIZE	GAUGE PORT SIZE
M-HPR100-2W	1/4" BSPP	1/4" BSPP
M-HPR100-3W	3/8" BSPP	3/8" BSPP
M-HPR100-4W	1/2" BSPP	1/2" BSPP

SERIES HPR180

M-HPR180-6W	3/4" BSPP	1/2" BSPP
M-HPR180-8W	1" BSPP	1/2" BSPP
M-HPR180-10W	1 1/4" BSPP	1/2" BSPP

Gauges supplied separately







FEATURES

- Modular or in-line mounting
- L28D has a sight feed design, L28W has a wick feed design
 External oil adjusting knob, removable for tamper resistance
- · BSPP threads, NPTF optional

SPECIFICATIONS

OI LOII IOATIONO	I LOII IOATIONO			
Ambient / media temperature	Plastic bowl: 4°C to 52°C (40°F to 125°F) Metal bowl: 4°C to 79°C (40°F to 175°F)			
Head	Die cast zinc			
Bowl	236 ml (8 oz) capacity polycarbonate plastic with steel shatterguard, optional zinc bowl with sight glass. Optional 592 ml (20 oz) extended polycarbonate or zinc bowl			
Bowl ring	Aluminium			
Sight dome	Nylon			
Inlet pressure	Plastic bowl: 10 bar maximum Metal bowl: 14 bar maximum			
Fluid media	Compressed air			
Seals	NBR			
Dimensions A x B x C	Plastic bowl L28D: 89 x 132 x 32 mm Metal bowl L28D: 89 x 135 x 32 mm Plastic Extended bowl L28D: 89 x 246 x 32 mm Metal Extended bowl L28D: 89 x 249 x 32 mm Plastic bowl L28W: 89 x 132 x 17 mm			

Metal bowl L28W: 89 x 135 x 17 mm



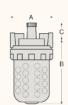




3210

SERIES L28D SIGHT FEED PLASTIC BOWL

PART NUMBER PO	IVI OIEE	RESERVOIR CAPACITY	
M-L28D-2W	G1/4"	236 ml	
M-L28D-3W	G3/8"	236 ml	
M-L28D-4W	G1/2"	236 ml	
M-L28D-6W	G3/4"	236 ml	





SERIES L28W

WICK FEED PLASTIC BOWL

PART NUMBER	PORT SIZE	RESERVOIR CAPACITY	
M-L28W-2W	G1/4"	236 ml	
M-L28W-3W	G3/8"	236 ml	
M-L28W-4W	G1/2"	236 ml	
M-L28W-6W	G3/4"	236 ml	

INTEGRAL FILTER / REGULATORS

FEATURES

- · Filter & regulator consolidated in a single assembly
- · Modular or in-line mounting
- · Self-relieving diaphragm type regulator, non-relieving optional
- · Removable pressure adjustment locking key
- · Pressure gauge included
- · BSPP threads, NPTF optional

SPECIFICATIONS

Ambient / media temperature	Plastic bowl, all drain types: 4°C to 52°C (40°F to 125°F) Metal bowl, manual & auto drains: 4°C to 79°C (40°F to 175°F) Metal bowl with float drain: 4°C to 66°C (40°F to 150°F)
Head	Die-cast zinc
Bowl	236 ml (8 oz) capacity polycarbonate plastic with steel shatterguard, optional zinc bowl with clear nylon sight glass
Dome	Nylon. Aluminium with heavy spring
Knob	Acetal
Filter drain	Internal automatic drain, optional manual drain or external Hydro-Jector drain, internal float drain
Filter element	5 μm rated polyethylene, optional 5 μm, 20 μm or 40 μm sintered bronze
Inlet pressure	1 bar minimum with automatic drain & 2 bar with float drain Plastic bowl: 10 bar maximum Metal bowl: 14 bar maximum
Outlet pressure	0 to 8.6 bar
Pressure gauge	0 to 14 bar, 1/4 BSPT gauge ports front & rear
Panel mounting	52 mm (2 1/16") hole required
Fluid media	Compressed air
Seals	NBR
Dimensions A x B x C	Plastic bowl: 89 x 146 x 146 mm

Metal bowl: 89 x 163 x 146 mm





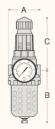


3210

SERIES CFDR100 AUTOMATIC DRAIN

PLASTIC BOWL

PART NUMBER	PORT SIZE	FILTRATION
M-CFDR100-2W	G1/4"	5 micron
M-CFDR100-3W	G3/8"	5 micron
M-CFDR100-4W	G1/2"	5 micron
M-CFDR100-6W	G3/4"	5 micron





SERIES CFR100

MANUAL DRAIN PLASTIC BOWL

LAGIIO DOWL			_	3210
PART NUMBER	PORT SIZE	FILTRATION		
M-CFR100-2W	G1/4"	5 micron		
M-CFR100-3W	G3/8"	5 micron		
M-CFR100-4W	G1/2"	5 micron		
M-CFR100-6W	G3/4"	5 micron		



m_o

GENERAL PURPOSE FILTERS

FEATURES

• In-line mounting • BSPP threads, NPTF optional

SPECIFICATIONS Ambient / media temperature Plastic, all drains: 4°C to 52°C (40°F to 125°F) Metal, manual & auto: 4°C to 79°C (40°F to 175°F) Metal, float drain: 4°C to 66°C (40°F to 150°F) Head Aluminium 480 ml (16 oz) capacity polycarbonate Bowl plastic with steel shatterguard, optional aluminium bowl with clear nylon sight glass Bowl drain Manual, internal automatic drain, float & brass float drains available Filter element 5 μm rated polyethylene, optional 5 μm, 20 µm or 40 µm sintered bronze 1 har minimum with automatic drain Inlet pressure 2 har minimum with float drains Plastic bowl: 10 bar maximum

Metal bowl: 14 bar maximum

Plastic bowl: 114 x 203 x 21 mm

Metal bowl: 114 x 210 x 21 mm

Brass float. Optional manual

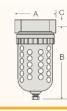
Compressed air

NBR



SERIES F100

MANUAL DRAIN PLASTIC BOWL





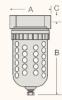
3210

PART NUMBER	
M-F100-6W	
M-F100-8W	

 BER
 PORT SIZE
 FILTRATION

 N
 G3/4"
 5 micron

 N
 G1"
 5 micron





SERIES FD100

AUTOMATIC DRAIN PLASTIC BOWL

PART NUMBER	
M-FD100-6W	
M-FD100-8W	

PORT SIZE FILTRATION
G3/4" 5 micron
G1" 5 micron

FEATURES

Fluid media

Bowl drain

Dimensions A x B x C

Seals

• In-line mounting • BSPP threads, NPTF optional

SPECIFICATIONS Ambient / media temperature | Metal bowl float drain: 4°C to 66°C (40°F to 150°F) Metal bowl manual drain: 4°C to 79°C (40°F to 175°F) Head Aluminium Bowl 3548 ml (120 oz) capacity aluminium bowl Options External Hydro-Jector drain (ask for details) Bowl ring Aluminium Filter element 40 μm rated sintered bronze, optional 5 μm sintered bronze Inlet pressure 2 bar minimum with automatic internal float drain, 14 bar maximum Fluid media Compressed air Seals **NBR** Dimensions A x B x C 204 7 x 305 x 60 3 mm Bowl drain Brass float. Optional manual



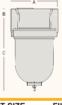
SERIES BFD400

М

М

М

AUTOMATIC INTERNAL BRASS FLOAT DRAIN





PART NUMBER	PORT SIZE	FILTRATION
I-BF6A400-10E3W	G1 1/4"	40 micron
I-BF6A400-12E3W	G1 1/2"	40 micron
I-BF6A400-16E3W	G2"	40 micron

COALESCENT FILTERS

FEATURES

• In-line mounting • BSPP threads, NPTF optional

SPECIFICATIONS Ambient / media temperature Plastic, all drains: 4°C to 52°C (40°F to 125°F) Metal, manual & auto: 4°C to 79°C (40°F to 175°F). Metal, float drains: 4°C to 66°C (40°F to 150°F) Head Aluminium Bowl 480 ml (16 oz) capacity polycarbonate plastic with steel shatterguard, optional 480 ml (16 oz) aluminium bowl with clear nylon sight glass Bowl ring Filter element 0.3 µm rated borosilicate glass fibre coalescing element, optional 0.01 µm rated Inlet pressure Plastic bowl: 10 bar maximum Metal bowl: 14 bar maximum Compressed air Fluid media Dimensions A x B x C Plastic bowl: 114 x 203 x 78 mm Metal bowl: 114 x 210 x 78 mm Bowl drain Manual. Optional automatic internal, float

& brass float







3210

SERIES FC101

MANUAL DRAIN PLASTIC BOWL

PART NUMBER	PORT SIZE	FILTRATION
M-FC101-6W	G3/4"	0.3 micron
M-FC101-8W	G1"	0.3 micron

3210



FEATURES

In-line mountingBSPP threads, NPTF optional

SPECIFICATIONS

SPECIFICATIONS	SPECIFICATIONS		
Ambient / media temperature	Metal, manual: 4°C to 79°C (40°F to 175°F) Metal, brass float: 4°C to 66°C (40°F to 150°F)		
Head	Aluminium		
Bowl	3548 ml (120 oz) capacity aluminium bowl. Optional 6802 ml (230 oz) extended aluminium bowl has higher flow filter element		
Filter element	0.3 µm rated borosilicate glass-fibre coalescing element, optional 0.01 µm rated element		
Inlet pressure	Metal bowl: 14 bar maximum		
Fluid media	Compressed air		
Seals	NBR		
Dimensions A x B x C	Metal standard bowl: 205 x 306 x 117 mm Metal extended bowl & 2": 205 x 465 x 177 mm		
Bowl drain	Manual. Optional brass float		



PART NUMBER	PORT SIZE	FILTRATION
M-BFC401-10W	G1 1/4"	0.3 micron
M-BFC401-12W	G1 1/2"	0.3 micron
M-BFC401H-16W	G2"	0.3 micron

PRESSURE REGULATORS

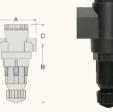
FEATURES

- · In-line mounting
- · Piston type design
- Self-relieving, non-relieving optional
- Optional gauge
- Removable pressure adjustment locking key
 BSPP threads, NPTF optional

SPECIFICATIONS

Ambient / media temperature	4°C to 79°C (40°F to 175°F)
Head	Zinc
Dome	Nylon, aluminium with optional 0 to 150 psig spring
Knob	Acetal
Inlet pressure	21 bar maximum
Outlet pressure	0 to 7 bar
Optional pressure gauge	0 to 14 bar, 1/4 BSPP gauge ports front & rear
Panel mounting	52 mm (2 1/16") hole required
Fluid media	Compressed air
Seals	NBR
Valve	Aluminium
Valve cap	Nylon
Dimensions A x B x C	R180M H series: 111.1 x 153.6 x 61.5 mm R180 H series: 123.8 x 161.5 x 53.5 mm

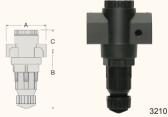




SERIES R180M

PISTON TYPE

PART NUMBER	PORT SIZE	PRESSURE RANGE
M-R180M-6W	G3/4"	0 – 7 bar
M-R180M-8W	G1"	0 – 7 bar



SERIES R180

PISTON TYPE

			_	02.0
PART NUMBER	PORT SIZE	PRESSURE RANGE		
M-R180-10W	G1 1/4"	0 – 7 bar		
M-R180-12W	G1 1/2"	0 – 7 har		





HIGH RELIEF EXTERNALLY PILOTED REGULATORS

FEATURES

- · Diaphragm design. Excellent pressure regulation & stability
- High relief characteristics up to 200 SCFM
- · Balanced valve minimises effect of pressure changes on inlet pressure
- · In-line mounting
- 3/4" BSPP exhaust port
- · Self-relieving
- · BSPP port threads; NPTF optional
- · Integral pilot regulator porting
- 1/4" BSPP auxiliary inlet pressure port

SPECIFICATIONS

Inlet pressure range	0.7 to 31 bar (10 psi to 450 psi)
Outlet pressure range	HPR251: 0 to 17.2 bar (0 to 250 psi) HPR250: 1.7 to17.2 bar (25 to 250 psi)
Operating temperature	-18°C to +79°C (0°F to 175°F) Air moisture content must be dry
Flow rating	Flow rates exceed 2000 SCFM
Body & dome	Cast aluminium
Cap	Teflon coated aluminium
Valve	NBR bonded aluminium
Elastomers	NBR
Exhaust ports	3/4" BSPP
Dimensions A x B x C	HPR251: 152.4 x 88.9 x 94 mm HPR250: 167.6 x 88.9 x 157.4 mm

Pilot control regulators (sold separately)

General purpose applications, order: R56M-2. R350-2 or R67-2

Recommended for HPR251-12W & HPR251-16W

Please contact your distributor for further information

DIAPHRAGM TYPE 3210

PART NUMBER M-HPR251-12W M-HPR251-16W

SERIES HPR250 DIAPHRAGM TYPE

SERIES HPR251

PORT SIZE GAUGE PORT SIZE 1 1/2" RSPP 1/4" RSPP 2" BSPP 1/4" BSPP

Gauges supplied separately



C/W INTEGRAL CONTROL REGULATOR PART NUMBER PORT SIZE M-HPR250-0B0A0A-B

GAUGE PORT SIZE 1 1/2" BSPP 1/4" BSPP M-HPR250-0B0A0A-D 2" BSPP 1/4" BSPP

Gauges supplied separately

AIR-LINE LUBRICATORS

FEATURES

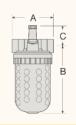
- · In-line mounting
- · L29D has a sight feed design & external, removable, oil adjustment
- · L100 has a wick feed design & internal oil adjustment
- · BSPP threads, NPTF optional

SPECIFICATIONS

Ambient / media temperature	Plastic bowl: 4°C to 52°C (40°F to 125°F) Metal bowl: 4°C to 79°C (40°F to 175°F)
Head	Aluminium
Bowl	473 ml (16 oz) capacity polycarbonate plastic with steel shatterguard. Optional aluminium bowl with sight glass
Bowl ring	Aluminium
Sight dome	Nylon
Inlet pressure	Plastic bowl: 10 bar maximum Metal bowl: 14 bar maximum
Fluid media	Compressed air
Seals	NBR
Dimensions A x B x C	Plastic bowl L29D: 108 x 208 x 37 mm Metal bowl L29D: 108 x 185 x 37 mm Plastic bowl L100: 114 x 195 x 21 mm Metal bowl L100: 114 x 208 x 21 mm



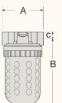






CITY	

PART NUMBER PORT SIZE RESERVOIR CAPAC M-L29D-6W G3/4" 473 ml M-L29D-8W G1" 473 ml M-I 29D-10W 473 ml G1 1/4" M-L29D-12W G1 1/2' 473 ml





SERIES L100

WICK FEED PLASTIC BOWL

PART NUMBER	PORT SIZE	RESERVOIR CAPACITY
M-L100-8W	G1"	473 ml

3210





SILENCERS / RECLASSIFIERS

DESCRIPTION

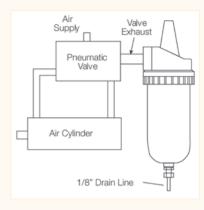
Silencers / reclassifiers are integral silencer & oil separation devices. When installed at the exhaust ports of pneumatic valves, they reduce exhaust noise & capture lubricants contained in the exhausting air. They are used on valve-cylinder applications & on air tools with piped exhausts.

FEATURES

- Exhaust noise reduced to between 80 & 85 dBA under standard, steady-state test conditions
- Peak impact noise is reduced to between 106 & 108 dBA
- · A drain cock is supplied for manual or automatic draining of accumulated liquids
- · External oil adjustment, tamper resistant
- Optional 1/8 tube fitting (00142W) is available for automatic draining

SPECIFICATIONS

SPECIFICATIONS	
Ambient / media temperature	Plastic bowl: 4°C to 51°C (40°F to 125°F) RS metal bowl: 4°C to 79°C (40°F to 175°F)
Bowl	240 ml polycarbonate plastic bowl for RS 480 ml polycarbonate plastic bowl for MRS Optional metal bowl
Element	Sintered bronze
Fluid media	Compressed air
Inlet pressure	5 to 150 wg (0.3 bar to 10 bar) maximum
Dimensions A x B x C	88.9 x 139.7 x 17.5 mm (RS100) 107 x 213 x 69 mm (MRS100)





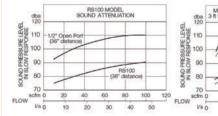


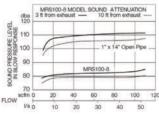
SERIES RS100

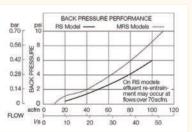
PART NUMBER	PORT SIZE	WEIGHT
M-RS100-4W	G1/2"	0.59 kg















mo

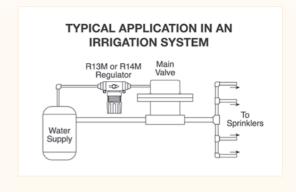
SENTRY MODULAR RANGE

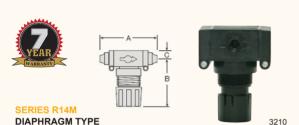
FEATURES

- Designed to set pilot pressure of the water for the main valve in a sprinkler
- system
- Diaphragm type design
- Non-relieving
- Corrosion resistant construction
- · Optional large valve seat for water flows up to six gallons per minute
- Threaded ports or quick-connect fittings for tubing up to 10 mm in diameter
- · BSPP threads, NPTF optional

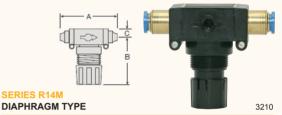
SPECIFICATIONS

OI LOII IOATIONO	
Ambient / media temperature	1.7°C to 52°C (35°F to 125°F)
Head	Acetal
Dome & knob	Acetal
Main spring	Stainless steel
Fluid media	Water
Inlet pressure	10 bar maximum
Outlet pressure	0 to 7 bar locking adjustment cap
Panel mounting	30 mm (1 3/16") hole required
Pressure gauge	Optional (0 – 160 psig)
Seals	NBR





PART NUMBER	PORT SIZE	DIMENSIONS	
M-R14M-1AW	G1/8"	76 x 67 x 13 mm	
M-R14M-2AW	G1/4"	76 x 67 x 13 mm	



PART NUMBER	PORT SIZE	DIMENSIONS
M-R14M-04A	1/4" OD	86 x 67 x 13 mm
M-R14M-06A	3/8" OD	99 x 67 x 13 mm
M-R14M-M4A	4 mm OD	86 x 67 x 13 mm
M-R14M-M6A	6 mm OD	86 x 67 x 13 mm
M-R14M-M8A	8 mm OD	86 x 67 x 13 mm
M-R14M-M10A	10 mm OD	99 x 67 x 13 mm

Models above have quick connect fittings for tubing





MASTER PNEUMATIC SEVEN YEAR WARRANTY



seven years. This warranty does not cover standard service parts (such as filter elements) or parts that fail due to chemical attack*, abuse, improper service, or improper use. This warranty does not cover products not manufactured by Master Pneumatic, Inc. These products will be covered by the original manufacturer's warranty, if any. The preceding warranty is exclusive & instead of all other warranties, whether written, oral, express, or implied. There is NO WARRANTY OF MERCHANTABILITY OF FITNESS OF PURPOSE. If, within seven years from the date of shipment by the Company, the equipment has not met the warranties specified above & the purchaser notifies the Company promptly. In that case, the Company shall correct any defect, at its option, either by repairing any defective part or parts or making a replacement part available at the Company's plant. Unless the manufacturer specifies, these parts are designed for compressed air service.

Use with any other fluid must be approved by Master Pneumatic, Inc. In no event will Master Pneumatic, inc. be liable for business interruptions, loss of profits, harm, injury, damage, personal injury, cost of delay, or any special, indirect, incidental, or consequential losses, costs, or damages.

^{*} It is crucial to use our products in an appropriate setting. Polycarbonate, acetal, nylon, ABS, and other plastics are particularly susceptible to damage caused by specific chemicals and their fumes, such as compressor oils, solvents, and cleaners. If you are uncertain, please consult your chemical provider to verify if their products may harm any components used in Master Pneumatic products.





ACCESSORY GUIDE

A vast range of spares & accessories are available to suit all Master Pneumatic ranges. To select the correct product to suit the range you require, please see the colour markers on the individual pages, the corresponding colour markers are in the tables below. If you do not see the spare or accessory you require, please contact our technical sales team who will be happy to assist you.

ACCESSORY SYMBOL KEY

Miniature range
350 modular range
380 modular range
Vanguard modular range

ACCESSORY SYMBOL KEY

Vanguard high capacity range
Silencers / reclassifiers
Water pressure regulators

FILTER ELEMENTS













FILTER ELEMENTS FOR GENERAL PURPOSE FILTERS

5 MICRON		3210
PART NUMBER	DESCRIPTION	
M-KA130-27PE5	5 micron polyethylene	
M-KA130-27E5	5 micron bronze	
M-A60F-03PE5	5 micron polyethylene	
M-A60F-03E5	5 micron bronze	
M-A115-106PE5	5 micron polyethylene	
M-A115-106E5	5 micron bronze	
M-KA103-03PE5	5 micron polyethylene	
M-KA103-03E5	5 micron bronze	
M-KA109-3PE	5 micron polyethylene	
M-KA109-03E5	5 micron bronze	
M-KA106-33E5	5 micron bronze	

20 MICRON

M-KA130-27E4	20 micron bronze	
M-A60F-03E4	20 micron bronze	
M-A115-106E4	20 micron bronze	
M-KA103-03E4	20 micron bronze	
M-KA109-03E4	20 micron bronze	
40 MICRON		

40 MICRON		
M-KA130-27E3	40 micron bronze	
M-A60F-03E3	40 micron bronze	
M-A115-106PE3	40 micron polyethylene	
M-KA103-03E3	40 micron bronze	
M-KA109-03E3	40 micron bronze	
M-K106-33	40 micron bronze	

FILTER ELEMENTS FOR USE WITH COALESCENT FILTERS

.3 MICRON			321
PART NUMBER		DESCRIPTION	
M-A10F-16		0.3 micron coalescent	
M-A60F-23		0.3 micron coalescent plastic	
M-A60F-29		0.3 micron coalescent metal bowl	
M-A115-117		0.3 micron coalescent metal	
M-A115-118		0.3 micron coalescent metal	
M-A103-160S		0.3 micron coalescent	
M-A103-160L	•	0.3 micron coalescent, extended 20 oz bowl	
M-A109-106		0.3 micron coalescent plastic	
M-A106-24		0.3 micron coalescent plastic	
M-A106-24L		0.3 micron coalescent	

0.01 MICRON

PART NUMBER		DESCRIPTION	
M-A10F-16E8		0.01 micron coalescent	
M-A60F-23E8		0.01 micron coalescent plastic	
M-A60F-29E8		0.01 micron coalescent metal bowl	
M-A60F-32E8	•	0.01 micron coalescent metal extended 10 oz bowl	
M-A115-117E8		0.01 micron coalescent	
M-A115-118E8		0.01 micron coalescent extended 15 oz bowl	
M-A103-160SE8		0.01 micron coalescent	
M-A103-160LE8	•	0.01 micron coalescent, extended 20 oz bowl	
M-A109-106E8		0.01 micron coalescent plastic	
M-A106-24E8		0.01 micron coalescent plastic	
M-106-24LE8		0.01 micron coalescent metal extended 23 oz bowl	



FILTER ELEMENTS FOR USE WITH ADSORBER FILTERS					
STANDARD BOWL					
PART NUMBER		DESCRIPTION			
M-A60F-29E9		Activated carbon element kit			
M-A115-117E9		Activated carbon element kit			
EXTENDED BOWL					
M-A60F-32E9		Activated carbon element kit			
M-A115-118E9		Activated carbon element kit			





REPLACEMENT ELEMENT KITS

			02.10
PART NUMBER		DESCRIPTION	
M-KA103-03E4		RS replacement element kit	
M-KA109-32		MRS replacement element kit	





MOUNTING BRACKETS & CONNECTORS



EGULATOR MOUNTING BRACKETS			
PART NUMBER		DESCRIPTION	
M-33-82		Regulator mounting bracket	

TOP MOUNTING L BRACKET

Top mounting L bracket

3210 DESCRIPTION

PART NUMBER

M-K30-08



REGULA	TOR PAN	EL MOU	NTING NI	UΤ

PART NUMBER	DESCRIPTION
M-10R-26	Panel mounting nut
M-127-11	Panel mounting nut

GAUGE PORT & MOUNTING BRACKET

PART NUMBER		DESCRIPTION	
M-KA37-68	••••	Gauge port & mounting bracket	

REGULATOR PANEL MOUNTING NUT



GAUGE PORT & EXTENDED MOUNTING BRACKETS



PART NUMBER		DESCRIPTION
M-KA37-68L	••••	Gauge port & extende mounting bracket

& BRACKET

PART NUMBER		DESCRIPTION	
M-A33-82		Regulator panel mounting nut & bracket	
M-A-127-11		Regulator panel mounting nut & mounting bracket	
M-K37-71M	•••	Regulator panel mounting nut & mounting bracket	

IN MOUNTING BRACKETS FOR EXTERNAL PILOT REGULATORS



PART NUMBER DESCRIPTION M-A37-381 HPR100 kit M-37-364 HPR180 bracket

MOUNTING BRACKET & SCREWS





PART NUMBER M-A118-103 Mounting bracket & screws

U-BOLT BRACKET KITS



MODULAR CONNECTOR KIT

PART NUMBER	DESCRIPTION
M-A118-105M	Modular connector kit
M-KA30-04	Modular connector kit

MODULAR CONNECTOR



PART NUMBER	DESCRIPTION
M-A118-105	Modular connector

GAUGES



REGULATOR PRESSURE GAUGE

PART NUMBER	DESCRIPTION
M-70MDD	0 to 160 psi gauge

COALESCENT FILTER DIFFERENTIAL GAUGE







REGULATOR PRESSURE GAUGE

PART NUMBER	DESCRIPTION	
M-200-BDD	0 to 200 psi gauge	

COALESCENT FILTER DIFFERENTIAL GAUGE

PART NUMBER	DESCRIPTION
M-106-35	Large differential pressure
	gauge





PLASTIC FILTER BOWLS

PART NUMBER		DESCRIPTION	
M-AF125-02	•	Plastic filter bowl, manual drain – 5.1 oz	
M-AL125-02LDC		Plastic lubricator bowl - 5.1 oz	
M-AF115-109		Plastic filter bowl, manual drain – 9 oz	
M-AL115-109		Plastic lubricator bowl - 9 oz	







PART NUMBER		DESCRIPTION	
M-ABF125-03	•	Metal filter bowl, manual drain – 6 oz	
M-ABL125-03		Metal lubricator bowl - 6 oz	
M-ABL125-03H	•	Extended metal lubricator bowl – 10 oz	
M-ABF115-100		Metal filter bowl, manual drain – 9 oz	
M-ABL115-100		Metal lubricator bowl – 9 oz	
M-ABL115-100H		Extended metal lubricator bowl – 15 oz	

AUTOMATIC FLOAT DRAIN

PLASTIC STEM

PART NUMBER M-A802-42

DESCRIPTION

Automatic float drain - plastic

stem

AUTOMATIC INTERNAL DRAIN

PART NUMBER M-D350 M-D380

DESCRIPTION Automatic internal drain Automatic internal drain



AUTOMATIC FLOAT DRAIN

REPLACEMENT SPRINGS

BRASS STEM

PART NUMBER DESCRIPTION M-A802-49 Automatic float drain – brass stem



3210

MANUAL DRAIN

PART NUMBER DESCRIPTION M-A802-32 Manual drain

SPRINGS

PART NUMBER	DESCRIPTION	
M-33-113M	1 bar (15 psi)	
M-33-114M	2 bar (30 psi)	
M-33-104H	8.6 bar (125 psi)	

ASSEMBLY KITS







3210

DIAPHRAGM REGULATOR ASSEMBLY KITS

PART NUMBER DESCRIPTION M-A33-544A Non-relieving piston with u-cup M-A33-544 Relieving piston with u-cup





PORTS

FEATURES

- An extra port block can be placed between modules to provide two auxiliary ports. Auxiliary ports are available in 1/4", 3/8" or 1/2" sizes
- Its mounting position can be rotated to obtain the most convenient operating orientation
- · An extra port block can be ordered as part of an assembly or individually

NOTE: If only one auxiliary port is to be used the unused port must be closed with a pipe plug. The inlet & outlet of modular extra port is not threaded



3210

MODULAR EXTRA PORTS

PART NUMBER	DESCRIPTION	
M-118-106-2W	Modular extra port – 1/4"	
M-118-106-3W	Modular extra port – 3/8"	
M-118-106-4W	Modular extra port – 1/2"	

FEATURES

- End ports can be attached to threaded inlet & outlet lines. This allows all
 modules of an FRL assembly to be removed easily & quickly, simply by
 removing modular clamp instead of having to unthread.
- The end port is attached to product using a modular clamp. If ordering seperately each port will require a clamp: part M-A118-105 or M-A118-105M.



MODULAR END PORTS

		-
PART NUMBER	DESCRIPTION	
M-118-100-3W	End ports – 3/8" female	
M-118-100-4W	End ports – 1/2" female	
M-118-100-6W	End ports – 3/4" female	

LOCK-OUT VALVES

FEATURES

- · Modular or inline mounting
- Provides positive lockout of supply air & exhausting of downstream air
- · Provides delayed pressure buildup for safe starts
- 3/2 operation non threaded exhaust
- Can be padlocked only in the closed position
- BSPP port threads; optional NPTF threads

FEATURES

- High flow threaded exhaust port to accommodate muffler or a line for remote exhausting
- · Compact modular or inline
- · Optional slow start (delayed-pressure-buildup) function
- 3 ported valve



Please note: Padlock not supplied

MODULAR LOCK-OUT VALVE WITH EXHAUST

3210

MODULAR LOCK-OUT VALVES

M-V380-2W	ff valve – 1/4"
M-V380-3W Shut-o	ff valve – 3/8"
M-V380-4W Shut-o	ff valve – 1/2"
M-V380-6W Shut-o	ff valve – 3/4"

Accessory symbol key

350 modular

380 modular

SAFETY

Did you know?

Products with safety benefits are indicated by a chevron at the bottom of their table



E.MC FRLs

E.MC's filter-regulator-lubricator assemblies are designed to be easy to assemble and durable, with high flow rates. These FRLs are built to be reliable and robust, with a modular construction. Recent advancements in the regulator mechanism have made it more sensitive, allowing better control and ensuring the system operates at optimum pressure.

FRLs can be purchased as fully assembled units, or users can assemble their modular units using connectors and wall mounting kits. All units have undergone rigorous pressure testing and inspection to ensure quality. The EA Series features a manual drain, while the E Series offers manual and auto drain options.

Our range of products includes various accessories such as brackets, gauges, filter elements, and spacers that are available to purchase separately.

Benefits

Higher flow rates
Simple assembly and maintenance
Reduced downtime

Specifications

Max. working pressure: 10 bar

Working temperature: -5°C to +60°C

Max. inlet pressure: 15 bar

*EA Series

Available Ranges

EA Series









Max. inlet pressure



3650

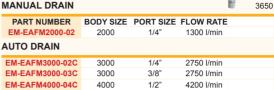
EAFM MIST SEPARATOR

SPECIFICATIONS	
Max. working pressure	10 bar
Working temperature	-5°C to +60°C (no freezing)
Filter precision	0.3 micron
Working medium	Clean air (after 40 µm filtration)
Bowl material	Polycarbonate

15 bar

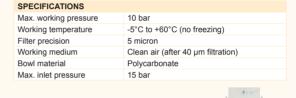


EAFM SERIES MIST SEPARATOR



EAF FILTER

SPECIFICATIONS	
Max. working pressure	10 bar
Working temperature	-5°C to +60°C (no freezing)
Filter precision	40 micron
Working medium	Clean air (after 40 µm filtration)
Bowl material	Polycarbonate
Max. inlet pressure	15 bar





EAF SERIES FILTER

MANUAL DRAIN WITH BRACKET

PART NUMBER	BODY SIZE	PORT SIZE	FLOW RATE	
EM-EAF2000-02	2000	1/4"	1300 l/min	
EM-EAF3000-03	3000	3/8"	2750 I/min	
EM-EAF4000-04	4000	1/2"	4200 I/min	



3650

EAF SERIES FILTER MANUAL DRAIN WITH BRACKET

PART NUMBER	BODY SIZE	PORT SIZE	FLOW RATE
EM-EAF2000-02-5M	2000	1/4"	1300 l/min
EM-EAF3000-03-5M	3000	3/8"	2750 l/min
EM-EAF3000-04-5M	4000	1/2"	4200 I/min

EAR REGULATORS

SPECIFICATIONS

Max. working pressure	10 bar
Working temperature	-5°C to +60°C (no freezing)
Working medium	Clean air (after 40 µm filtration)
Max. inlet pressure	15 bar
Adjustable pressure range	1.5 to 9 bar
Tyne	Relieving

PANEL CUT OUT HOLE

BODY SIZE	Ø	MAX. PLATE THICKNESS
2000	31.5 mm	3.5 mm
3000	36.5 mm	3.0 mm
4000	52.5 mm	3.0 mm





INTEGRAL GAUGE & BRACKET

PART NUMBER	BODY SIZE	PORT SIZE	FLOW RATE
EM-EAR2000-02	2000	1/4"	1300 l/min
EM-EAR3000-03	3000	3/8"	2750 l/min
EM-EAR4000-04	4000	1/2"	4200 I/min

EAL LUBRICATOR

SPECIFICATIONS	
Max. working pressure	0.5 to 10 bar
Working temperature	-5°C to +60°C (no freezing)
Working medium	Clean air (after 40 µm filtration)
Bowl material	Polycarbonate
Max. inlet	15 bar



EAL SERIES LUBRICATOR

PART NUMBER BODY SIZE PORT SIZE	FLOW RATE	
EM-EAL2000-02 2000 1/4"	2500 l/min	
EM-EAL3000-03 3000 3/8"	4000 I/min	
EM-EAL4000-04 4000 1/2"	5250 l/min	

E-MC*

3650



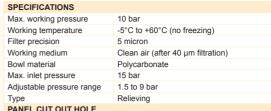
FILTER, REGULATOR & LUBRICATOR ASSEMBLIES - EA SERIES

EAW FILTER / REGULATORS

SPECIFICATIONS	
Max. working pressure	10 bar
Working temperature	-5°C to +60°C (no freezing)
Filter precision	40 micron
Working medium	Clean air (after 40 µm filtration)
Bowl material	Polycarbonate
Max. inlet pressure	15 bar
Adjustable pressure range	1.5 to 9 bar
Type	Relieving

PANEL CUT OUT HOLE

BODY SIZE	Ø	MAX. PLATE THICKNESS
2000	31.5 mm	3.5 mm
3000	36.5 mm	3.0 mm
4000	52.5 mm	3.0 mm



PANEL COT OUT HOLE		
BODY SIZE	Ø	MAX. PLATE THICKNESS
2000	31.5 mm	3.5 mm
3000	36.5 mm	3.0 mm
4000	52.5 mm	3.0 mm



EAW SERIES FILTER / REGULATOR

MANUAL DRAIN WITH BRACKET

PART NUMBER	BODY SIZE	PORT SIZE	FLOW RATE
EM-EAW2000-02	2000	1/4"	1300 l/min
EM-EAW3000-03	3000	3/8"	2750 l/min
EM-EAW4000-04	4000	1/2"	4100 l/min



EAW SERIES FILTER / REGULATOR

MANUAL DRAIN WITH BRACKET

PART NUMBER	BODY SIZE	PORT SIZE	FLOW RATE
EM-EAW2000-25M	2000	1/4"	1300 l/min
EM-EAW3000-35M	3000	3/8"	2750 l/min
EM-EAW4000-45M	4000	1/2"	4100 l/min

RELIEVING TYPE - AUTO DRAIN WITH BRACKET

EM-EAW3000-03D-5M	3000	3/8"	2750 I/min	
EM-EAW4000-04D-5M	4000	1/2"	4100 l/min	

EAC FILTER / REGULATOR & LUBRICATOR

SPECIFICATIONS	
Max. working pressure	10 bar
Working temperature	-5°C to +60°C (no freezing)
Filter precision	40 micron
Working medium	Clean air (after 40 µm filtration)
Bowl material	Polycarbonate
Max. inlet pressure	15 bar
Adjustable pressure range	1.5 to 9 bar
Туре	Relieving

SPECIFICATIONS	
Max. working pressure	10 bar
Working temperature	-5°C to +60°C (no freezing)
Filter precision	5 micron
Working medium	Clean air (after 40 µm filtration)
Bowl material	Polycarbonate
Max. inlet pressure	15 bar
Adjustable pressure range	1.5 to 9 bar
Туре	Relieving



EAC SERIES FILTER / REGULATOR & LUBRICATOR

MANUAL DRAIN WITH BRACKET & SQUARE GAUGE

PART NUMBER	BODY SIZE	PORT SIZE	FLOW RATE
EM-EAC2010-02	2000	1/4"	1200 I/min
EM-EAC3010-03	3000	3/8"	2400 I/min
EM-EAC4010-04	4000	1/2"	4100 l/min

AUTO DRAIN WITH BRACKET & SQUARE GAUGE

EM-EAC3010-03D	3000	3/8"	2400 l/min	
EM-EAC4010-04D	4000	1/2"	4100 l/min	



3650

EAC SERIES FILTER / REGULATOR & LUBRICATOR

MANUAL DRAIN WITH BRACKET & SQUARE GAUGE

PART NUMBER	BODY SIZE	PORT SIZE	FLOW RATE
EM-EAC2010-02-5M	2000	1/4"	1200 l/min
EM-EAC3010-03-5M	3000	3/8"	2400 l/min
EM-EAC4010-04-5M	4000	1/2"	4100 l/min





FILTER, REGULATOR & LUBRICATOR ASSEMBLIES - EA SERIES

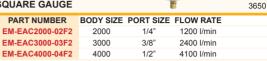
EAC FILTER & REGULATOR & LUBRICATOR

SPECIFICATIONS	
Max. working pressure	10 bar
Working temperature	-5°C to +60°C (no freezing)
Filter precision	40 micron
Working medium	Clean air (after 40 µm filtration)
Bowl material	Polycarbonate
Max. inlet pressure	15 bar
Adjustable pressure range	1.5 to 9 bar



EAC SERIES FILTER & REGULATOR & LUBRICATOR

MANUAL DRAIN WITH BRACKET & SQUARE GAUGE



AUTO DRAIN WITH BRACKET & SQUARE GAUGE

EM-EAC3000-03DF2	3000	3/8"	2400 l/min
EM-EAC4000-04DF2	4000	1/2"	4100 l/min

FILTER, REGULATOR & LUBRICATOR ASSEMBLIES - E SERIES

SPECIFICATIONS				
Max. working pressur	е	10 bar		
Working temperature		5°C to 60°C		
Filter precision		5 micron		
Bowl material	Polycarbonat sizes 3000 &		te – metal bowl guard fitted on above	
Inlet pressure		15 bar		
Adjustable pressure r	range 0.5 to 8.5 ba		ır	
Drain type	Manual drain		n / auto drain	
Туре		Relieving		
PANEL CUT OUT HO	DLE			
BODY SIZE		Ø	MAX. PLATE THICKNESS	
2000	33.5 mm		3.5 mm	
3000	42.5 mm		3.5 mm	
4000	52.5 mm		5.0 mm	
5000	52.5 mm		5.0 mm	

EW & EC series products come complete with gauge & bracket Flow rates are based on an 8 bar supply pressure & 6.3 bar set pressure

ER REGULATORS



PART NUMBER	BODY SIZE	PORT SIZE	FLOW RATE	
EM-ER2000-01-5	2000	1/8"	1178 l/min	
EM-ER2000-02-5	2000	1/4"	1200 l/min	
EM-ER3000-02-5	3000	1/4"	2112 l/min	
EM-ER3000-03-5	3000	3/8"	2212 l/min	
EM-ER4000-03-5	4000	3/8"	5020 l/min	
EM-ER4000-04-5	4000	1/2"	5312 l/min	
EM-ER5000-06-5	5000	3/4"	6400 l/min	
EM-ER5000-10-5	5000	1"	6600 I/min	

EW FILTER / REGULATORS



EW SERIES FILTER / REGULATOR

MA	NU	ΑL	DRA	IN

PART NUMBER	BODY SIZE	PORT SIZE	FLOW RATE
EM-EW2000-01-5	2000	1/8"	1078 l/min
EM-EW2000-02-5	2000	1/4"	1165 l/min
AUTO DRAIN			

EM-EW2000-01D-5	2000	1/8"	1078 l/min	
EM-EW2000-02D-5	2000	1/4"	1165 l/min	

EC FILTER / REGULATOR / LUBRICATORS



EC SERIES FILTER / REGULATOR, LUBRICATOR

MANUAL DRAIN			4	3650
PART NUMBER	BODY SIZE	PORT SIZE	FLOW RATE	
EM-EC2010-01-5	2000	1/8"	945 l/min	
EM-EC2010-02-5	2000	1/4"	960 l/min	
AUTO DRAIN				
EM-EC2010-01D-5	2000	1/8"	945 l/min	
EM-EC2010-02D-5	2000	1/4"	960 I/min	

3650

3650



Æ E·MC°

EC FILTER / REGULATOR / LUBRICATORS

SPECIFICATIONS	
Max. working pressure	10 bar
Working temperature	5°C to 60°C
Filter precision	25 micron
Bowl material	Polycarbonate – metal bowl guard fitted on sizes 3000 & above
Inlet pressure	15 bar
Adjustable pressure range	0.5 to 8.5 bar
Drain type	Manual drain / auto drain
Туре	Relieving

PANEL CUT OUT HOLE							
BODY SIZE	Ø	MAX. PLATE THICKNESS					
2000	33.5 mm	3.5 mm					
3000	42.5 mm	3.5 mm					
4000	52.5 mm	5.0 mm					
5000	52.5 mm	5.0 mm					



EW SERIES FILTER / REGULATOR WITH METAL BOWL GUARD

MANUAL DRAIN

PART NUMBER	BODY SIZE	PORT SIZE	FLOW RATE
EM-EW3000-02-5	3000	1/4"	1998 l/min
EM-EW3000-03-5	3000	3/8"	2177 l/min
EM-EW4000-03-5	4000	3/8"	5108 l/min
EM-EW4000-04-5	4000	1/2"	5211 l/min
EM-EW5000-06-5	5000	3/4"	6200 l/min
EM-EW5000-10-5	5000	1"	6400 l/min

AUTO DRAIN

EM-EW3000-02D-5	3000	1/4"	1998 l/min	
EM-EW3000-03D-5	3000	3/8"	2177 l/min	
EM-EW4000-03D-5	4000	3/8"	5108 l/min	
EM-EW4000-04D-5	4000	1/2"	5211 l/min	
EM-EW5000-06D-5	5000	3/4"	6200 l/min	
EM-EW5000-10D-5	5000	1"	6400 l/min	

EC SERIES FILTER / REGULATOR, LUBRICATOR WITH METAL BOWL GUARD

MANUAL DRAIN

PART NUMBER	BODY SIZE	PORT SIZE	FLOW RATE
EM-EC3010-02-5	3000	1/4"	1874 l/min
EM-EC3010-03-5	3000	3/8"	1956 l/min
EM-EC4010-03-5	4000	3/8"	4923 I/min
EM-EC4010-04-5	4000	1/2"	5120 l/min
EM-EC5010-06-5	5000	3/4"	6000 I/min
EM-EC5010-10-5	5000	1"	6200 I/min

AUTO DRAIN

EM-EC3010-02D-5	3000	1/4"	1874 l/min	
EM-EC3010-03D-5	3000	3/8"	1956 I/min	
EM-EC4010-03D-5	4000	3/8"	4923 l/min	
EM-EC4010-04D-5	4000	1/2"	5120 l/min	
EM-EC5010-06D-5	5000	3/4"	6000 l/min	
EM-EC5010-10D-5	5000	1"	6200 l/min	



EC SERIES FILTER, REGULATOR, LUBRICATOR

MANUAL DRAIN

PART NUMBER	BODY SIZE	PORT SIZE	FLOW RATE	
EM-EC2000-01-5	2000	1/8"	1000 l/min	
EM-EC2000-02-5	2000	1/4"	1100 l/min	
AUTO DRAIN				
EM-EC2000-01D-5	2000	1/8"	1000 l/min	
EM-EC2000-02D-5	2000	1/4"	1100 I/min	

EC series products come complete with gauge & bracket Flow rates are based on an 8 bar supply pressure & 6.3 bar set pressure

EC SERIES FILTER, REGULATOR LUBRICATOR WITH METAL BOWL GUARD

MANUAL DRAIN

PART NUMBER	BODY SIZE	PORT SIZE	FLOW RATE
EM-EC3000-02-5	3000	1/4"	1950 l/min
EM-EC3000-03-5	3000	3/8"	2105 l/min
EM-EC4000-03-5	4000	3/8"	4950 I/min
EM-EC4000-04-5	4000	1/2"	5200 l/min
EM-EC5000-06-5	5000	3/4"	6200 I/min
EM-EC5000-10-5	5000	1"	6500 I/min
ALITO DDAIN			

AUTO DRAIN

EM-EC3000-02D-5	3000	1/4"	1950 l/min	
EM-EC3000-03D-5	3000	3/8"	2105 l/min	
EM-EC4000-03D-5	4000	3/8"	4950 l/min	
EM-EC4000-04D-5	4000	1/2"	5200 l/min	
EM-EC5000-06D-5	5000	3/4"	6200 l/min	
EM-EC5000-10D-5	5000	1"	6500 l/min	



$E \cdot MC^{\circ}$

3650

EF FILTERS



EF SERIES FILTER

MANUAL DRAIN

EM-EF2000-02DJ

PART NUMBER	BODY SIZE	PORT SIZE	FLOW RATE
EM-EF2000-01J	2000	1/8"	1222 I/min
EM-EF2000-02J	2000	1/4"	1278 l/min
AUTO DRAIN			
EM-EF2000-01DJ	2000	1/8"	1222 l/min

1/4"

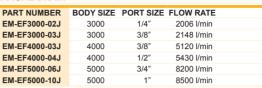
1278 l/min

EF series products do not include a bracket Flow rates are based on an 8 bar supply pressure & 6.3 bar set pressure

2000

EF SERIES FILTER WITH METAL BOWL GUARD

MANUAL DRAIN



AUTO DRAIN

EM-EF3000-02DJ	3000	1/4"	2006 I/min	
EM-EF3000-03DJ	3000	3/8"	2148 I/min	
EM-EF4000-03DJ	4000	3/8"	5120 l/min	
EM-EF4000-04DJ	4000	1/2"	5430 I/min	
EM-EF5000-06DJ	5000	3/4"	8200 I/min	
EM-EF5000-10DJ	5000	1"	8500 l/min	

EL LUBRICATORS



EL SERIES LUBRICATOR

PART NUMBER	BODY SIZE	PORT SIZE	FLOW RATE
EM-EL2000-01J	2000	1/8"	1300 l/min
EM-EL2000-02J	2000	1/4"	1345 l/min

EL series products do not include a bracket Flow rates are based on an 8 bar supply pressure & 6.3 bar set pressure

EL SERIES LUBRICATOR WITH METAL BOWL GUARD



3650

PART NUMBER	BODY SIZE	PORT SIZE	FLOW RATE	
EM-EL3000-02J	3000	1/4"	2310 l/min	
EM-EL3000-03J	3000	3/8"	2375 I/min	
EM-EL4000-03J	4000	3/8"	5321 l/min	
EM-EL4000-04J	4000	1/2"	5532 l/min	
EM-EL5000-06J	5000	3/4"	7700 l/min	
EM-EL5000-10J	5000	1"	8000 l/min	

EPR PRECISION PRESSURE REGULATOR

SPECIFICATIONS Max. input pressure Working temperature

Working medium

Adjustable pressure range

10 bar
-20°C to +70°C
Clean air
See table

EPR SERIES PRECISION PRESSURE REGULATOR

WITH PRESSURE GAUGE & MOUNTING BRACKET



3	6	5

PART NUMBER	BODY SIZE	PORT SIZE	PRESSURE RANGE
EM-EPR2000-01M	2000	1/8"	0.1 – 4 bar
EM-EPR2000-01H	2000	1/8"	0.1 – 8 bar
EM-EPR3000-02M	3000	1/4"	0.1 – 4 bar
EM-EPR3000-02H	3000	1/4"	0.1 – 8 bar
EM-EPR4000-02M	4000	1/4"	0.1 – 4 bar
EM-EPR4000-02H	4000	1/4"	0.1 – 8 bar
EM-EPR4000-03M	4000	3/8"	0.1 – 4 bar
EM-EPR4000-03H	4000	3/8"	0.1 – 8 bar
EM-EPR4000-04M	4000	1/2"	0.1 – 4 bar
EM-EPR4000-04H	4000	1/2"	0.1 – 8 bar



FRL ACCESSORIES - EA SERIES



20 TYPE BRACKET

PART NUMBER	FOR USE WITH	
EM-EAC220	2000 Series	
EM-EAC320	3000 Series	
EM-EAC420	4000 Series	



40 TYPE BRACKET

PART NUMBER	FOR USE WITH	
EM-EAC240	2000 Series	
EM-EAC340	3000 Series	
EM-EAC440	4000 Series	



3650

T SERIES COMBINATION BRACKET

PART NUMBER	FOR USE WITH	
EM-EAC20T	2000 Series	
EM-EAC30T	3000 Series	
EM-EAC40T	4000 Series	



SPACER

2 PORT

PART NUMBER	FOR USE WITH	PORT SIZE	
EM-EA2002-02	2000 Series	1/4"	
EM-EA3002-02	3000 Series	1/4"	
EM-EA3002-03	3000 Series	3/8"	
EM-EA4002-04	4000 Series	1/2"	



REGULATOR NUT

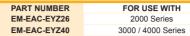
PART NUMBER	FOR USE WITH	
EM-EAW2000-016	2000 Series	
EM-EAW3000-016	3000 Series	
FM-FAW4000-016	4000 Series	



SQUARE PRESSURE GAUGE

PART NUMBER	FOR USE WITH
EM-EAC20-FB-010-02	2000 Series
EM-EAC-FB-010-2	3000 / 4000 Series

ROUND PRESSURE GAUGE





3650

 $\stackrel{\bullet}{\cancel{\blacktriangleright}} E \cdot MC^*$

FILTER ELEMENTS

PART NUMBER	FILTRATION	FOR USE WITH
EM-EAW2000-033-2	5 micron	2000 Series
EM-EAW3000-033-2	5 micron	3000 Series
EM-EAW4000-033-2	5 micron	4000 Series
EM-EAW2000-033-1	40 micron	2000 Series
EM-EAW3000-033-1	40 micron	3000 Series
EM-EAW4000-033-1	40 micron	4000 Series



DRAIN UNITS

PART NUMBER	DRAIN TYPE	FOR USE WITH
EM-EAF2000-P01	Manual	2000 Series
EM-EAF3000-P01	Manual	3000 Series
EM-EAF4000-P01	Manual	4000 Series
EM-EAF3000-P02	Semi auto	3000 Series
EM-EAF4000-P02	Semi auto	4000 Series
EM-EAF3000-P03	Auto	3000 Series
EM-EAF4000-P03	Auto	4000 Series



MANUAL 3/2 SHUT-OFF VALVE

LOCKABLE					3030
	PART NUMBER	BODY SIZE	PORT SIZE		
	EM-EAS2000-02	2000	1/4"		
	EM-EAS3000-02	3000	1/4"		
	EM-EAS3000-03	3000	3/8"		
	EM-EAS4000-04	4000	1/2"		

FRL ACCESSORIES – E SERIES

AUTO DRAIN FEATURES

- Drip leg / auto drain
- Fully automatic operation
- Auto drain discharges the condensate each time the maximum permissible level in the bowl is reached
- When total pressure is removed from the system, the drain will also open
- · Collected liquids can be piped away

SPECIFICATIONS

SPECIFICATIONS	
Working medium	Compressed air
Working temperature	5°C to 60°C
Working pressure	1.5 to 10 bar
Guaranteed pressure resistance	15 bar

DRIP LEG AUTO DRAIN

150 ML BOWL CAPACITY

130 IVIL BOVVL CA	APACITY			_	3050
PART NUMBER	PORT SIZE	OUTSIDE DIAMETER	LENGTH		
EM-HED402-02	1/4"	72 mm	162 mm		
EM-HED402-03	3/8"	72 mm	162 mm		
EM-HED402-04	1/2"	72 mm	162 mm		





$\stackrel{\bullet}{\cancel{\blacktriangleright}} E \cdot MC^*$

FRL ACCESSORIES - E SERIES



PRESSURE GAUGE

PART NUMBER	SERIES	DIA.	THREAD
EM-EYZ4001051B-06	2000 / 3000	40 mm	1/8"
EM-EYZ5001051B-08	4000 / 5000	50 mm	1/4"



TYPE 20 MOUNTING BRACKET

PART NUMBER	FOR USE WITH	
EM-B220	ER, EW 2000	
EM-B320	ER, EW 3000	
EM-B420	ER, EW 4000/5000	



T-TYPE MOUNTING BRACKET

PART NUMBER	FOR USE WITH	
EM-Y20T	EC2010	
EM-Y30T	EC3010	
EM-Y40T	EC4010	
EM-Y60T	EC5010	



FILTER ELEMENT

FOR MANUAL & AUTO DRAINS

DADT NUMBER	FILT DATION	FOR HOE WITH
PART NUMBER	FILTRATION	FOR USE WITH
EM-EF2000-005-2	5 micron	E2000
EM-EF2000-005-1	25 micron	E2000
EM-EF3000-005-2	5 micron	E3000
EM-EF3000-005-1	25 micron	E3000
EM-EF5000-005-2	5 micron	E5000
EM-EE5000-005-1	25 micron	E5000

FOR MANUAL DRAINS

EM-EF4000-005-2	5 micron	E4000
FM-FF4000-005-1	25 micron	F4000

FOR AUTO DRAINS

EM-EFD4000-005-2	5 micron	EF4000-D	
EM-EFD4000-005-1	25 micron	EF4000-D	

TYPE 40 MOUNTING BRACKET

PART NUMBER	FOR USE WITH	
EM-B240	EF, EL 2000	
EM-B340	EF, EL 3000	
EM-B440	EF, EL 4000	
EM-B640	EF, EL 5000	



L BRACKET

PART NUMBER	FOR USE WITH	
EM-Y20L	EC2000	
EM-Y30L	EC3000	
EM-Y40L	EC4000	
EM-Y50L	EC4000	
EM-Y60L	EC5000	



AIR TAKE OFF SPACER

PART NUMBER	FOR USE WITH	PORT SIZE
EM-Y21-01*	EIC, EC2000	1/8"
EM-Y21-02*	EIC, EC2000	1/4"
EM-Y31-01	EIC, EC3000	1/8"
EM-Y31-02	EIC, EC3000	1/4"
EM-Y41-02	EIC, EC4000	1/4"
EM-Y41-03	EIC, EC4000	3/8"
EM-Y61-03	EIC, EC5000	3/8"
EM-Y61-04	EIC, EC5000	1/2"

* EM-Y21-01 & EM-Y21-02 can only be used with three unit combinations i.e. Filter + regulator + lubricator



AUTO DRAIN KIT

PART NUMBER	FOR USE WITH	
EM-ZDFS-08	3000	
EM-ZDFS-10	4000 / 5000	

SHUT-OFF VALVES

Autodrain Installation: Install drainer vertically with drain port facing down.

3/2 SHUT-OFF VALVE LOCKABLE

PART NUMBER	BODY SIZE	PORT SIZE	
EM-EVSH2000-01	2000	1/8"	
EM-EVSH2000-02	2000	1/4"	
EM-EVSH3000-02	3000	1/4"	
EM-EVSH3000-03	3000	3/8"	
EM-EVSH4000-03	4000	3/8"	
EM-EVSH4000-04	4000	1/2"	



3650

ELECTRONIC 3/2 SHUT-OFF VALVE

LOCKABLE 24 V DC

OCKABLE 24 V DC				3030
PART NUMBER	BODY SIZE	PORT SIZE		
EM-EV2000-02	2000	1/4"		
EM-EV3000-03	3000	3/8"		
EM-EV4000-04	4000	1/2"		





Camozzi FRLs

A pneumatic system relies heavily on the air composition to function efficiently. It is crucial to incorporate modular FRL units comprising various filters with activated carbon and coalescing filters, regulators, lubricators, interception valves, soft start valves, and take-off blocks to enable

- MX SeriesM SeriesT Series







MC SERIES

DESCRIPTION	
The standard regulator has a re	elieving diaphragm.
SPECIFICATIONS	
Construction	Modular, compact, diaphragm type
Materials	Zama, brass, NBR, technopolymer
Mounting	In-line wall or console mounting (in any position)
Operating temperature	0°C to 50°C
Finishing	Enamelled
Inlet pressure	0 to 16 bar
Outlet pressure	0.5 to 10 bar or 0 to 4 bar



SERIES MC

SELF RELIEVING

PART NUMBER	PORT SIZE	PRESSURE
ZMC104-R00	1/4"	0.5 to 10 bar
ZMC104-R10	1/4"	0 to 4 bar

MD SERIES

DESCRIPTION Manifold, with bypass valve, calibrated, locked. **SPECIFICATIONS** Construction Modular, compact with pre-formed diaphragm Materials Polyamide, brass, zinc plated steel, NBR, stainless steel Mounting In-line; wall mounting; panel mounting Operating temperature -5°C to +50 °C up to 16 bar Inlet pressure 0 to 16 bar Outlet pressure 0.5 to 10 bar





SERIES MD

SELF RELIEVING

PART NUMBER	PORT SIZE	PRESSURE	
ZMD1-R000-1/8	1/8"	0.5 to 10 bar	
ZMD1-R000-1/4	1/4"	0.5 to 10 bar	
ZMD1-R000-3/8	3/8"	0.5 to 10 bar	

NON RELIEVING

ZMD1-R010-3/8	3/8"	0.5 to 10 bar	
ZMD1-R010-1/4	1/4"	0.5 to 10 bar	

MX SERIES

DESCRIPTION

Modular – available with built-in pressure gauges or ports for gauges. Tamperproof system (lockable regulator). Manifold version also available.

SPECIFICATIONS

Lower spring

Seals & diaphragm

0. =00	
Construction	Modular, compact diaphragm type
Mounting	Vertical in-line or wall mounting (by clamps) or panel mounting
Operating temperature	-5°C to +60°C at 10 bar
Inlet pressure	0 to 16 bar
Outlet pressure	0.5 to 10 bar (standard) 0 to 4 bar 0.5 to 7 bar (MX2 only)
Overpressure exhaust	With relieving (standard)
Fluid	Compressed air
Pressure gauge	Built-in pressure gauge (standard) G1/4" ports for pressure gauge (MX3 only) G1/8" ports for pressure gauge (MX2 only)
MATERIALS	
Body	Aluminium with polyacetal covering
Valve holder plug	Polyacetal
Regulator knob	Polyamide
Upper spring	Zinc plated steel

Stainless steel

NBR



SERIES MX - 0.5 to 10 bar

SELF RELIEVING

PART NUMBER BODY SIZE PORT SIZE DESCRIPTION ZMX2-3/8-R004 MX2 3/8" With gauge ZMX2-1/2-R004 MX2 1/2" With gauge ZMX2-3/4-R004 MX2 3/4" With gauge					
ZMX2-1/2-R004 MX2 1/2" With gauge	PART NUMBER			DESCRIPTION	
	ZMX2-3/8-R004	MX2	3/8"	With gauge	
7MY2 3/4 P004 MY2 3/4" With gauge	ZMX2-1/2-R004	MX2	1/2"	With gauge	
ZWAZ-3/4-R004 WAZ 3/4 With gauge	ZMX2-3/4-R004	MX2	3/4"	With gauge	
ZMX3-3/4-R004 MX3 3/4" With gauge	ZMX3-3/4-R004	MX3	3/4"	With gauge	
ZMX3-1-R004 MX3 1" With gauge	ZMX3-1-R004	MX3	1"	With gauge	





M SERIES

SPECIFICATIONS	
Construction	Diaphragm type
Materials	Brass, NBR, technopolymer
Mounting	In-line or panel mounting (in any position)
Operating temperature	0°C to 50°C
Inlet pressure	0 to 16 bar
Outlet pressure	0.5 to 10 bar



SERIES M - MICRO

NON RELIEVING

PART NUMBER	PORT SIZE	PRESSURE
ZM008-R01	1/8"	0.5 to 10 bar
ZM004-R01	1/4"	0.5 to 10 bar

T SERIES

DESCRIPTION

All models are equipped with a valve, enabling fast venting (VS), which is useful when a regulator should be inserted between the valve & cylinder (or capacity) without any negative influence on the exhaust.

SPECIFICATIONS

Construction	Piston regulator
Materials	Brass, NBR, technopolymer
Operating temperature	-5°C to +50°C
Pressure gauge ports	G1/8
Inlet pressure	0 to 12 bar
Outlet pressure	0.5 to 10 bar
Secondary pressure relieving	Standard
Fluid type	Air & water



SERIES T - MICRO

NON RELIEVING

PART NUMBER	PORT SIZE	PRESSURE	
ZT108-R01	1/8"	0.5 to 10 bar	
ZT108-R11	1/8"	0 to 4 bar	
ZT108-R21	1/8"	0 to 2 bar	
ZT108-R71	1/8"	0 to 7 bar	





MC SERIES

DESCRIPTION

The metal bowls of these filters come complete with a transparent sight glass & have a condensate drain valve.

SPECIFICATIONS

SPECIFICATIONS	
Construction	Modular, compact with filtering element in HDPE
Materials	Zama, NBR, technopolymer
Mounting	Vertical in-line or wall mounting
Operating temperature	0°C to 50°C at 10 bar
Porosity of filtering element	25 μm standard – 5 μm upon request
Draining of condensate	Manual – semi-automatic standard
Finishing	Enamelled
Operating pressure	Standard drain: 0.3 to 16 bar Protected depressurisation: 0.3 to 16 bar Depressurisation: 0.3 to 10 bar

Automatic drain: 1.5 to 15 bar for G3/8 & G1/2



SERIES MC

25 MICRON

PART NUMBER	PORT SIZE	DRAIN TYPE
ZMC104-F00	1/4"	Semi-automatic
ZMC104-F04	1/4"	Depressurisation

MD SERIES

DESCRIPTION

Bowl with technopolymer cover & bayonet-type mounting.

SPECIFICATIONS		
Construction	Modular, compact with filtering element in HDPE	
Mounting	Vertical in-line or wall mounting (by clamps)	
Operating temperature	-5°C to +50°C up to 16 bar	
Porosity of filtering element	25 micron filtering element	
Draining of condensate	Semi-automatic manual, automatic protected depressurisation	
Fluid	Compressed air	
Operating pressure	0.3 to 16 bar	
MATERIALS		
Body	Polyamide	
Tank	Polycarbonate	
Valve guide	Polyamide	
Filtering element	Polyethylene	
Separation deflector	Polyacetal	
Seal	NBR	





MX SERIES

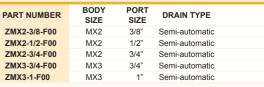
DESCRIPTION

Bowl with technopolymer cover & bayonet-type mounting.

SPECIFICATIONS		
Construction	Modular, compact with filtering element in HDPE	
Mounting	Vertical in-line or wall mounting (by clamps)	
Operating temperature	-5°C to +60°C at 10 bar	
Porosity of filtering element	25 μm standard – 5 μm upon request	
Draining of condensate	Manual – semi-automatic standard MX2: automatic depressurisation	
Condensate capacity	MX2: 55 cc MX3: 85 cc	
Fluid	Compressed air	
Operating pressure	Standard drain 0.3 to 16 bar	
MATERIALS		
Body	Aluminium with polyacetal covering	
Bowl (technopolymer cover)	Polycarbonate / polyamide	
Valve guide	Polyacetal	
Filtering element	Polyethylene	
Separation deflector	Polyacetal	

NBR

SERIES MX 25 MICRON





Seals



C∢ CAMOZZ

MC SERIES

DESCRIPTION

With metal bowl & bayonet-type mounting. Bowls are also equipped with a transparent viewer. The oil flow can be monitored via the small transparent cap & regulated by means of the special adjusting screw.

SPECIFICATIONS

0. = 00	
Construction	Modular, compact
Materials	Zama, NBR, technopolymer
Mounting	Vertical in-line or wall mounting
Operating temperature	0°C to 50°C at 10 bar
Oil refilling	Without pressure (G1/4)
Oil for lubrication	Up to ISO VG32
Finishing	Enamelled
Operating pressure	0 to 16 bar



SERIES MC

LUBRICATORS

PART NUMBER	PORT SIZE	
ZMC104-L00	1/4"	

MD SERIES

DESCRIPTION

Modular assembly. Bowl with technopolymer cover & bayonet-type mounting.

mounting.			
SPECIFICATION			
Construction	Modular, compact		
Materials	Polyamide, polycarbonate, NBR		
Mounting	In vertical position by means of through holes in the body		
Operating temperature	-5°C to +50°C up to 16 bar		
Oil for lubrication	Use ISO VG32 oils. Once applied, the lubrication should never be interrupted		
Operating pressure	0 to 16 bar		



2505

SERIES MD LUBRICATORS

PART NUMBER	PORT SIZE
ZMD1-L00-1/8	1/8"
ZMD1-L00-1/4	1/4"
ZMD1-L00-3/8	3/8"

MX SERIES

DESCRIPTION

Bowl with technopolymer cover & bayonet-type mounting. Ability to refill the oil even with system under pressure.

SPECIFICATIONS

Construction	Modular, compact
Mounting	Vertical in-line or wall mounting (by clamps)
Operating temperature	-5°C to +60°C at 10 bar
Oil capacity	MX2: 118 cc MX3: 170 cc
Oil refilling	Even during use
Oil for lubrication	Up to ISO VG32
Operating pressure	0 to 16 bar
MATERIALS	
	AL CONTRACTOR OF THE CONTRACTO

Body	Aluminium with polyacetal covering
Bowl (technopolymer cover)	Polycarbonate / polyamide
Viewer	Polyamide
Seals & diaphragm	NBR











2505

DESCRIPTION

Combines the features of the MC filters & regulators but has smaller overall dimensions than the two separate components.

Modular, compact with filtering element in HDPE – diaphragm type
Zama, NBR, technopolymer
G1/8
Vertical in-line or wall mounting
0°C to 50°C at 10 bar
25 μm standard – 5 μm upon request
Manual – semi-automatic standard
Enamelled
Standard drain: 0.3 to 16 bar Protected depressurisation: 0.3 to 16 bar Depressurisation: 0.3 to 10 bar



SERIES MC

25 MICRON

PART NUMBER	PORT SIZE	DRAIN TYPE
ZMC104-D00	1/4"	Semi-automatic
ZMC104-D04	1/4"	Depressurisation

MD SERIES

DESCRIPTION

Modular assembly. Bowl with technopolymer cover & bayonet-type mounting.

OPPOSITION

SPECIFICATION	
Construction	Modular, compact with filtering element in HDPE
Materials	Polyamide, polycarbonate, brass, polyacetal, polyethylene, zinc plated steel, NBR, stainless steel
Pressure gauge ports	G1/8
Mounting	In-line: wall mounting by means of through holes in the body or with a support bracket; panel mounting
Operating temperature	-5°C to +50°C up to 16 bar
Porosity of filtering element	Between 25 µm or 5 µm
Draining of condensate	Semi-automatic manual, automatic protected depressurisation, direct G1/8 exhaust
Fluid	Compressed air



25

25 MICRON NON	RELIEVING		2505
PART NUMBER	PORT SIZE	DRAIN TYPE	
ZMD1-FR2000-1/8	1/8"	Semi-automatic	
ZMD1-FR2000-1/4	1/4"	Semi-automatic	
ZMD1-FR2000-3/8	3/8"	Semi-automatic	

25 MICRON RELIEVING

ZMD1-FR0000-1/8	1/8"	Semi-automatic	
ZMD1-FR0000-1/4	1/4"	Semi-automatic	
ZMD1-FR0000-3/8	3/8"	Semi-automatic	

MX SERIES

DESCRIPTION

Bowl with technopolymer cover & bayonet-type mounting. Lockable knob with closure. Bowl locking system reduces the risk of accidents.

SPECIFICATIONS

Construction	Modular, compact with filtering element in HDPE
Mounting	Vertical in-line, wall mounting (by clamps) or panel mounting
Operating temperature	0°C to 60°C at 10 bar
Porosity of filtering element	25 μm standard – 5 μm upon request
Draining of condensate	Manual: semi-automatic standard MX2: automatic
Condensate capacity	MX2: 55 cc MX3: 85 cc
Fluid	Compressed air
Operating pressure	Standard drain 0.3 to 16 bar
Pressure gauge	Built-in pressure gauge (standard) G1/4" ports for pressure gauge (MX3 only) G1/8" ports for pressure gauge (MX2 only)



WATERIALS	
Body	Aluminium with polyacetal covering
Bowl (technopolymer cover)	Polycarbonate / polyamide
Valve guide	Polyacetal
Filtering element	Polyethylene
Separation deflector	Polyacetal
Knob	Polyamide
Upper spring	Zinc plated steel
Lower spring	Stainless steel
Seals & diaphragm	NBR



2505

SERIES MX

25 MICRON - WITH PRESSURE GAUGE

PART NUMBER	BODY SIZE	PORT SIZE	DRAIN TYPE
ZMX2-3/8-FR0004	MX2	3/8"	Semi-automatic
ZMX2-1/2-FR0004	MX2	1/2"	Semi-automatic
ZMX2-3/4-FR0004	MX2	3/4"	Semi-automatic
ZMX3-3/4-FR0004	MX3	3/4"	Semi-automatic
ZMX3-1-FR0004	MX3	1"	Semi-automatic

25 MICRON - WITHOUT PRESSURE GAUGE

ZMX2-3/8-FR0000	MX2	3/8"	Semi-automatic
ZMX2-1/2-FR0000	MX2	1/2"	Semi-automatic
ZMX2-3/4-FR0000	MX2	3/4"	Semi-automatic
ZMX3-3/4-FR0000	MX3	3/4"	Semi-automatic
ZMX3-1-FR0000	MX3	1"	Semi-automatic



DESCRIPTION

Filter / regulators combine the features of the MC filters & regulators but with smaller overall dimensions than the two separate components. The oil flow of the lubricator can be monitored via the small transparent cap & regulated by means of the special adjusting screw.

SPECIFICATIONS

SELCII ICATIONS	
Construction	Compact modular with filtering element in HDPE – diaphragm type
Materials	Zama, NBR, technopolymer
Mounting	Vertical in-line or wall mounting
Operating temperature	0°C to 50°C at 10 bar
Porosity of filtering element	25 μm standard – 5 μm upon request
Draining of condensate	Manual to semi-automatic standard
Finishing	Enamelled
Oil refilling	Without pressure (G1/4)
Oil for lubrication	Up to ISO VG32
Inlet pressure	Standard drain: 0.3 to 16 bar Protected depressurisation: 0.3 to 16 bar Depressurisation: 0.3 to 10 bar
Lubricator operating pressure	0 to 16 bar



SERIES MC

INCLUDES GAUGE & BRACKET

PART NUMBER	PORT SIZE	
ZMC104-C25	1/4"	

MD SERIES

DESCRIPTION

Offers multi-sector solutions that ensure saving in terms of installation time, space & costs. Easy & quick maintenance. Reduced weight, quick fixing with a wide range of functions & additional air intakes.

SPECIFICATION

Construction	Modular, compact
Ports	Threaded or integrated with super-rapid fitting for tube with diameter 6, 8 & 10 mm
Mounting	Vertical in-line, wall mounting via support bracket, panel mounting
Operating temperature	-5°C to +50°C up to 16 bar



SERIES MD

5 MICRON WITH GAUGE & BRACKET

PART NUMBER	PORT SIZE	
ZMD1-000026-1/8	1/8"	
ZMD1-000026-1/4	1/4"	
ZMD1-000026-3/8	3/8"	

25 MICRON WITH GAUGE & BRACKET

ZMD1-000015-1/8	1/8"
ZMD1-000015-1/4	1/4"
ZMD1-000015-3/8	3/8"

MX SERIES

DESCRIPTION

Filter / regulator & lubricator assembly through rapid clamps. Compact design. Easy & quick maintenance. Reduced weight.

SPECIFICATIONS

Construction	Modular, compact
Mounting	Vertical in-line or wall mounting (by clamps) or panel mounting
Operating temperature	0°C to 60°C at 10 bar

Also available with port for external pressure gauge Please ask for details



WITH INTEGRATED GAUGE

2505 PART NUMBER BODY SIZE PORT SIZE ZMX2-3/8-000015 MX2 3/8" ZMX2-1/2-000015 MX2 1/2" ZMX2-3/4-000015 MX2 3/4" ZMX3-3/4-000015 MX3 3/4" ZMX3-1-000015 MX3







FILTER / REGULATOR & ISOLATION VALVE ASSEMBLY

MD SERIES

DESCRIPTION

Offers multi-sector solutions that ensure saving in terms of installation time, space & costs. Quick & easy maintenance. Reduced weight, quick fixing with a wide range of functions & additional air intakes.

ODEOLEIO ATION

SPECIFICATION	
Construction	Modular, compact
Ports	Threaded or integrated with super-rapid fitting for tube with diameter 6, 8 & 10 mm
Mounting	Vertical in-line, wall mounting via support bracket, panel mounting
Operating temperature	-5°C to +50°C up to 16 bar



SERIES MD

5 MICRON GAUGE & BRACKET

PART NUMBER	PORT SIZE	
ZMD1-000028-1/8	1/8"	
ZMD1-000028-1/4	1/4"	
ZMD1-000028-3/8	3/8"	

25 MICRON GAUGE & BRACKET

ZMD1-000017-1/8	1/8"
ZMD1-000017-1/4	1/4"
ZMD1-000017-3/8	3/8"

FILTER / REGULATOR, LUBRICATOR & ISOLATION VALVE ASSEMBLY

MD SERIES

DESCRIPTION

Offers multi-sector solutions that ensure saving in terms of installation time, space & costs. Quick & easy maintenance. Reduced weight, quick fixing with a wide range of functions & additional air intakes.

SPECIFICATION

Construction	Modular, compact
Ports	Threaded or integrated with super-rapid fitting for tube with diameter 6, 8 & 10 mm
Mounting	Vertical in-line, wall mounting via support bracket, panel mounting
Operating temperature	-5°C to +50°C up to 16 bar





SERIES MD

5 MICRON GAUGE & BRACKET

PART NUMBER	PORT SIZE
ZMD1-000027-1/8	1/8"
ZMD1-000027-1/4	1/4"
ZMD1-000027-3/8	3/8"

25 MICRON GAUGE & BRACKET

ZMD1-000016-1/8	1/8"
ZMD1-000016-1/4	1/4"
ZMD1-000016-3/8	3/8"



CAMOZZ

MC SERIES

DESCRIPTION

The metal bowls of these filters come complete with a transparent sight glass & have a condensate drain valve. The standard regulator has a relieving diaphragm. The oil flow of the lubricator can be monitored via the small transparent cap & regulated by means of the special adjusting screw.

SPECIFICATIONS

Construction	Modular, compact with filtering element in HDPE
Materials	Zama, NBR, technopolymer
Operating temperature	0°C to 50°C at 10 bar
Porosity of filtering element	25 μm standard – 5 μm upon request
Draining of condensate	Manual - Semi-automatic standard
Finishing	Enamelled
Oil refilling	Without pressure (G1/4)
Oil for lubrication	Up to ISO VG32
Inlet pressure	Standard drain: 0.3 to 16 bar Protected depressurisation: 0.3 to 16 bar Depressurisation: 0.3 to 10 bar
Regulator inlet pressure	0 to 16 bar
Regulator outlet pressure	0.5 to 10 bar or 0 to 4 bar
Lubricator operating pressure	0 to 16 bar



SERIES MC

INCLUDES GAUGE & BRACKET

PART NUMBER	PORT SIZE
ZMC104FRL25	1/4"

MX SERIES

DESCRIPTION

Filter, regulator & lubricator assembly through rapid clamps. Compact design. Quick & easy maintenance. Reduced weight.

SPECIFICATIONS

Construction	Modular, compact
Mounting	Vertical in-line or wall mounting (by clamps) or panel mounting
Operating temperature	0°C to 60°C at 10 bar



SERIES MX

WITH INTEGRATED GAUGE

WITH INTEGRATED GAUGE 2			2000
PART NUMBER	BODY SIZE	PORT SIZE	
ZMX2-3/8-000014	MX2	3/8"	
ZMX2-1/2-000014	MX2	1/2"	
ZMX2-3/4-000014	MX2	3/4"	
ZMX3-3/4-000014	MX3	3/4"	
ZMX3-1-000014	MX3	1"	

Also available with port for external pressure gauge. Please ask for details.





DESCRIPTION

Designed to block the air inlet of the FRL group & to pressurise & depressurise the equipment.

SPECIFICATIONS	
Construction	Modular, compact, poppet type
Materials	Zama, NBR, technopolymer
Mounting	In-line, wall or panel mounting (in any position)
Operating temperature	0°C to 50°C
Finishing	Enamelled
Inlet pressure	2 to 10 bar
Nominal exhaust flow	G1/4 1080 NI/min



SERIES MC

PART NUMBER	PORT SIZE	
ZMC104-V01	1/4"	

Flow determined at 6 bar with $\Delta P = 1$ bar

MD SERIES

DESCRIPTION

Offers multi-sector solutions that ensure saving in terms of installation time, space & costs. Allow the inlet & exhaust of compressed air from the plant & can meet several application requirements. Manual, electro-pneumatic, servo-pilot & pneumatic control.

SPECIFICATION

Construction	Modular, compact, spool type
Mounting	In-line or wall mounting (by brackets)
Operating temperature	-5°C to +50°C up to 16 bar
Operating pressure	-0.8 to 10 bar
Nominal exhaust flow	850 NI/min
Fluid	Compressed air
MATERIALS	
Body	Polyamide
Covering	Polyamide
Plug	Polyamide
Spool	Anodised aluminium
End cover	Polyamide
Lower spring	Stainless steel
Seals	NBR



SERIES MD

PNEUMATIC CONTROL

25	П
20	v

PORT SIZE	
1/8"	
1/4"	
3/8"	
	1/8" 1/4"

MANUAL CONTROL

ZMD1-V01-1/8	1/8"
ZMD1-V01-1/4	1/4"
ZMD1-V01-3/8	3/8"

ELECTRO-PNEUMATIC CONTROL

ZMD1-V16-1/8	1/8"
ZMD1-V16-1/4	1/4"
ZMD1-V16-3/8	3/8"







Coils

Find it on page 395, section six

MX SERIES

DESCRIPTION

Manual isolation valves: ideal to allow an easy access to the FRL group. The system is depressurised with the deactivation of the valve. Standard tamperproof lock-out. One / more locks for the lock-out feature. It exhausts to the atmosphere. Silencers available upon request.

Modular, compact spool type
Vertical in-line or wall mounting (by clamps)
-5°C to +60°C at 10 bar
-0.8 to 10 bar
MX2: 6000 NI/min MX3: 9200 NI/min
Compressed air
Aluminium with polyacetal covering
Polyacetal
Zinc plated steel
Aluminium

NBR





PART NUMBER	BODY SIZE	PORT SIZE	
ZMX2-3/8-V01	MX2	3/8"	
ZMX2-1/2-V01	MX2	1/2"	
ZMX2-3/4-V01	MX2	3/4"	
ZMX3-3/4-V01	MX3	3/4"	
ZMX3-1-V01	MX3	1"	

Flow determined at 6 bar with $\Delta P = 1$ bar

Seals





PRECISION REGULATORS

FEATURES

- · High precision adjustment
- Multi-diaphragm construction to reach the highest stability
- Adjustment lock
- Compact dimensions
- Removable adjustment knob



SERIES PR

SELF RELIEVING

PART NUMBER	PORT SIZE	OUTLET PRESSURE
ZPR104-M02	1/4"	0.05 to 2 bar
ZPR104-M04	1/4"	0.05 to 4 bar
ZPR104-M07	1/4"	0.05 to 7 bar

PRESSURE SWITCHES

FEATURES

· With hysteresis adjustable, IP40 for air, non-corrosive & non-flammable gas



SERIES GPB5

1/8" PORT

PART NUMBER	PRESSURE RANGE	OUTPUT
ZGPB5C2CC02	0 to 1.0 MPa	2 x PNP x 2m
ZGPB5C2CM08	0 to 1.0 MPa	2 x PNP x M8
ZGPB5C3CC02	0 to 1.0 MPa	1 x PNP, 1 x 1-5 V x 2m
ZGPB5C4CC02	0 to 1.0 MPa	1 x PNP, 1 x 4-20 mA x 2m
ZGPB5B2CM08	0 to -101.3 KPa	2 x PNP x M8

DIGITAL GAUGES

FEATURES

- · Pressure display unit
- · Easy & fast read out with digital display
- 4 user programmable pressure units available
- Power saving mode
- Back lightDust proof & splash proof
- Battery powered digital gauges

FEATURES

- · Pressure display unit
- · Easy & fast read out with digital display
- 4 user programmable pressure units available
- Power saving mode
- · Back light
- Dust proof & splash proof
- 2 m cable with unshielded 2 pole



SERIES PG

BATTERY POWERED

PART NUMBER	TYPE	THREAD	PRESSURE
ZPG010-PB-1/8	Pressure gauge	1/8" BSPP	15 bar
ZPG001-VB-1/8	Vacuum gauge	1/8" BSPP	3 bar
ZPG010-PB-1/4	Pressure gauge	1/4" BSPP	15 bar
ZPG001-VB-1/4	Vacuum gauge	1/4" BSPP	3 bar



WITH CABLE				2505
PART NUMBER	TYPE	THREAD PE	RESSURE	
ZPG010-PB-1/8-2	Pressure gauge	1/8" BSPP	15 bar	
7PG001-VR-1/8-2	Vacuum daude	1/8" RSPP	-30 Ha	

PG PRESSURE GAUGE ACCESSORIES



PART NUMBER	DESCRIPTION	
ZPG-B	Mounting bracket	

PANEL MOUNT ADAPTOR

PART NUMBER DESCRIPTION ZPG-F Panel mount adaptor





2505

2505

2505

FRL ACCESSORIES - SERIES MC



TERMINAL FLANGES - KIT A

SERIES MC

PART NUMBER	SIZE
ZMC104FL	1/4"

2 MOUNTING BRACKETS - KIT B

SERIES MC

PART NUMBER	SIZE	
ZMC104ST	1/4"	

FRL ACCESSORIES - SERIES MD



MOUNTING BRACKET

SERIES MC, M & MD

PART NUMBER	FOR USE WITH	
ZC114-ST	MC, M & MD	

THREADED CARTRIDGE KIT

SERIES MD

OLIVILO IIID		2000
PART NUMBER	SIZE	
ZMD1-A-1/8	1/8"	
ZMD1-A-1/4	1/4"	
ZMD1-A-3/8	3/8"	

MOUNTING BRACKET SERIES MD		CKET	0	2505
	PART NUMBER	FOR USE WITH		
	ZMD1-ST	MD		

SUPER RAPID FITTING KIT

SERIES MD

PART NUMBER	SIZE	
ZMD1-A-6	6 mm	
ZMD1-A-8	8 mm	
ZMD1-A-10	10 mm	

SCREWS FOR WALL MOUNTING

SERIES MD

PART NUMBER	SUPPLIED WITH	
7MD1-D	2 v white zinc plated screws M4 v 50	

JOINING CARTRIDGE KIT

SERIES MD

2505

2505

PART NUMBER	SUPPLIED WITH
ZMD1-C	4 x special white zinc plated screws

FRL ACCESSORIES - SERIES MX

FIXING BRACKET

SERIES MX

PART NUMBER	FOR USE WITH	
ZMX2-S	MX2	
ZMX3-S	MX3	



RAPID CLAMP KIT

SERIES MX2

,	SERIES MX2		2505
i	PART NUMBER	SUPPLIED WITH	
	ZMX2-X	1 rapid clamp, 1 O-ring, 2 hexagonal nuts M5, 2 screws M5 x 69	
	ZMX2-Z	1 rapid clamp, 1 O-ring, 1 hexagonal nut M5, 1 screw M5 x 69, 1 screw M5 x 85 for wall fixing	

CEDIEC MV2

SERIES WAS		
ZMX3-X	1 rapid clamp, 1 O-ring, 2 square nuts M6, 2 screws M6 x 75	
ZMX3-Z	1 rapid clamp, 1 O-ring, 1 square nut M6, 1 screw M6 x 75, 1 screw M6 x 90 for wall fitting	

TERMINAL FLANGES SERIES MX

		2505
SIZE		
3/8"		
1/2"		
3/4"		
3/4"		
1"		
	3/8" 1/2" 3/4" 3/4"	3/8" 1/2" 3/4" 3/4"

RAPID CLAMP KIT WITH WALL FIXING BRACKETS

SERIES MX2	9	2505
PART NUMBER	SUPPLIED WITH	
ZMX2-Y	1 wall rapid clamp, 1 O-ring, 2 hexagonal nuts, 2 screws M5 x 69	
SERIES MX3		

1 wall rapid clamp, 1 O-ring, ZMX3-Y 2 square nuts M6, 2 screws M6 x 75



Festo Compressed Air Preparation Units

When compressed air requires cleaning and oiling, a filter regulator, and lubricator unit are used. The filter regulator removes compressor condensate and coarse dirt, while the lubricator supplies a precisely measured amount of pneumatic lubricating oil.

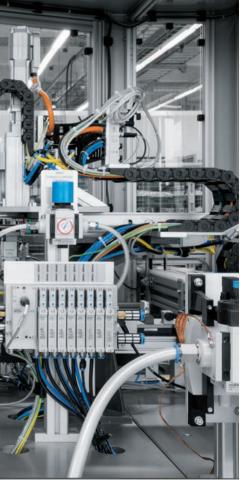
The order of the individual unit components used in combination is essential for safety and functionality in simple standard applications and application-specific solutions.

MS Series Service Units

The device is light, compact, and efficient, with essential components focused on critical technical functions. It comes in a polymer housing and regulates and filters compressed air.

- The MS series achieves maximum flow rates with minimum space requirements
- Extremely high flow rates of up to 20,000 l/mir
- Maximum flow rates combined with minimum space requirements
 40 um filtration to suit all Festo's pneumatic range save money of the suit all festo pneumatic range save money of the suit all festo pneumatic range save money of the suit all festo pneumatic range save money of the suit all festo pneumatic range save money of the suit all festo pneumatic range save money of the suit all festo pneumatic range save money of the suit all festo pneumatic range save money of the suit all festo pneumatic range save money of the suit all festo pneumatic range save money of the suit all festo pneumatic range save money of the suit all festo pneumatic range save money of the s
- 40 µm filtration to suit all Festo's pneumatic range save money or filtration
- Three featured sizes with port sizes from 1/4" to 1 1/2"
- Fast and reliable exhaust function
- Integrated pressure gauge







FRL SERVICE UNITS - FRL TYPE CODES

Series		
Code	Description	
MSB4	MS series basic (40 mm grid)	
MSB6	MS series basic (62 mm grid	
MS4	MS series standard (40 mm grid)	
MS6	MS series standard (62 mm grid)	
MS9	MS series standard (90 mm grid)	

Type		
Code	Description	
LFR	Filter regulator	
LR	Pressure regulator	
LOE	Lubricator	
EM1	Electrical on/off valve	
EE	Electrical on/off valve	
DL	Electrical soft-start valve	

Code	Description
1/4	1/4"
1/2	1/2"
G	Without connecting thread

Pneumatic connection

Pressure gauge		
Code Description		
	Without	
AG	Pressure	
AG	gauge	



MS9 - LFR - G - D7 - EUM - AG - BAR - AS

Description			
Code		Description	
C	3	On-off valve	
J1		Filter regulator	
FRC5:J1M1		0.5 to 12 bar pressure regulation 40 micron filtration Manual rotary condensate drain Plastic bowl guard	
Pressure regulation			
Code Description			
D5	0.3 to 5 bar		
	0.3 to 7 bar (MS4 & MS6)		

С	5 micron filtration	
Ε	40 micron filtration	
Bowl guard		
Code	Description	
R	Plastic bowl guard	
U	Integrated metal bowl	
Condensate drain		
Code	Description	
М	Manually rotary condensate drain	

Grade of filtration Description

Accessories		
Code	Description	
	None	
WP	Mounting bracket	
AS	Standard rotary knob with detent, locked using accessories	
S	Silencer	

D6	0.3 to 7 bar (MS4 & MS6) 0.5 to 7 bar manually operated (MS9)
D7	0.5 to 12 bar (MS4 & MS6) 0.5 to 12 bar manually operated (MS9)
	Electrical supply voltage
	Liectrical supply voltage
	B 1.0

Code Description N/A 10V24 24 V DC

MS SERIES



- Extremely high flow rates of up to 20,000 l/min
- · Maximum flow rates combined with minimum space requirements • 40 µm filtration to suit all of Festo's pneumatic range – save money
- on filtration • 3 featured sizes with port sizes from 1/4" to 1 1/2"
- Fast & reliable exhaust function
- · Integrated pressure gauge

SPECIFICATIONS

Flow rate	900 to 20,000 l/min
Temperature range	-10°C to +60°C
Pressure regulator range	0.5 to 12 bar
Filtration grade	40 μm
Bowl guard	MS4 & MS6 – polymer MS9 – metal
Pressure gauge	As standard
Lockable	As standard, using padlock

Do you also need?

FESTO

Sub-base set

* Products must be purchased with MS series sub-base set to determine port size



Find it on page 326, section five



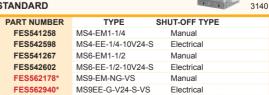
LR PRESSURE REGULATOR

PART NUMBER	TYPE	PNEUMATIC CONNECTION
FES529415	MS4-LR-1/4-D5-AS	1/4"
FES529419	MS4-LR-1/4-D7-AS	1/4"
FES529989	MS6-LR-1/2-D5-AS	1/2"
FES529993	MS6-LR-1/2-D7-AS	1/2"
FES564136*	MS9-LR-G-D6-AG-BAR-AS	3/4", 1" 1 1/4", 1 1/2"



ON / OFF VALVES

STANDARD



	STA	

FES529531	MS4-DL-1/4
FES529817	MS6-DL-1/2





LUBRICATOR - MS SERIES

FEATURES

- Extremely high flow rates of up to 20,000 l/min
- Maximum flow rates combined with minimum space requirements
- 40 µm filtration to suit all of Festo's pneumatic range save money on filtration
- 3 featured sizes with port sizes from 1/4" to 1 1/2"
- · Fast & reliable exhaust function
- · Integrated pressure gauge

SPECIFICATIONS	
Flow rate	900 to 20,000 I/min
Temperature range	-10°C to +60°C
Pressure regulator range	0.5 to 12 bar
Filtration grade	40 μm
Bowl guard	MS4 & MS6 – polymer MS9 – metal
Pressure gauge	As standard
Lockable	As standard, using padlock





LUBRICATOR

PART NUMBER	TYPE	
FES527701	MS4-LOE	
FES527674	MS6-LOE	
FES562533	MS9-LOE	

FRL SERVICE UNITS - MS SERIES

- Extremely high flow rates of up to 20,000 l/min
- · Maximum flow rates combined with minimum space requirements
- 40 µm filtration to suit all of Festo's pneumatic range save money on filtration
- 3 featured sizes with port sizes from 1/4" to 1 1/2"
- Fast & reliable exhaust function
- Integrated pressure gauge

SPECIFICATION	NS
Flow rate	

900 to 20,000 I/min
-10°C to +60°C
0.5 to 12 bar
40 μm
MS4 & MS6 – polymer MS9 – metal
As standard
As standard using padlock





MANUAL DRAIN

,,			0110
PART NUMBER	TYPE	PNEUMATIC CONNECTION	
FES8025354	MSB4-1/4-C3-J1-WP	1/4"	
FES8025358	MSB4-1/4-C3-J1-D14-WP	1/4"	
FES531117	MSB4-1/4-FRC5:J1M1	1/4"	
FES8025355	MSB6-1/2-C3-J1-WP	1/2"	
FES8025359	MSB6-1/2-C3-J1-D14-WP	1/2"	
FES530244	MSB6-1/2-FRC5:J1M1	1/2"	



MANUAL DRAIN		•	3140
PART NUMBER	TYPE	PNEUMATIC CONNECTION	
FES529144	MS4-LFR-1/4-D6-CRM-AS	1/4"	
FES529148	MS4-LFR-1/4-D6-ERM-AS	1/4"	
FES529152	MS4-LFR-1/4-D7-CRM-AS	1/4"	
FES529156	MS4-LFR-1/4-D7-ERM-AS	1/4"	
FES529176	MS6-LFR-1/2-D6-CRM-AS	1/2"	
FES529180	MS6-LFR-1/2-D6-ERM-AS	1/2"	
FES529184	MS6-LFR-1/2-D7-CRM-AS	1/2"	
FES529188	MS6-LFR-1/2-D7-ERM-AS	1/2"	
FES564118	MS9-LFR-G-D7-EUM-AG- BAR-AS	3/4", 1", 1 1/4", 1 1/2"	

. OLL! AUI	OMATIC DRAIN	
FES529146	MS4-LFR-1/4-D6-CRV-AS	1/4"
FES529150	MS4-LFR-1/4-D6-ERV-AS	1/4"
FES529154	MS4-LFR-1/4-D7-CRV-AS	1/4"
FES529158	MS4-LFR-1/4-D7-ERV-AS	1/4"
FES535722	MS4-LFR-1/4-D7-EUV-AS	1/4"
FES529178	MS6-LFR-1/2-D6-CRV-AS	1/2"
FES529182	MS6-LFR-1/2-D6-ERV-AS	1/2"
FES529186	MS6-LFR-1/2-D7-CRV-AS	1/2"
FES529190	MS6-LFR-1/2-D7-ERV-AS	1/2"
	MS9-LFR-G-D7-EUV-AG-	3/4". 1". 1 1/4".





MS SERIES ACCESSORIES





SUB-BASE SETS*

FOR USE WITH MS9 LFR & LR SERVICE UNITS

PART NUMBER	TYPE	PNEUMATIC CONNECTION	
FES552955	MS9-AGE	3/4"	
FES552956	MS9-AGF	1"	
FES552957	MS9-AGG	1 1/4"	
FES552958	MS9-AGH	1 1/2"	



FOR MOUNTING USING THE ROTARY KNOB

PART NUMBER	TYPE	
FES526064	MS4-WR	
FES526075	MS6-WR	



3110

3110

BRANCHING MODULE

PART NUMBER	TYPE	
FES529853	MS6-FRM-1/2	
FES529857	MS6-FRM-1/4	

CONNECTOR LOE TO LR/LFR

PART NUMBER	TYPE
FES8119201	MS4-MV1
FES8119204	MS6-MV1
FES552950	MS9-MV



3140

DISTRIBUTOR BLOCK

PART NUMBER	TYPE	
FES549336	MS4-FRM-FRZ	
FES549337	MS6-FRM-FRZ	





MSx-WP BASIC MOUNTING BRACKET

PART NUMBER	TYPE	
FES532184	MS4-WP	
FES532195	MS6-WP	
FES526073	MS6-WPM-D	
FES552947	MS9-WP	

Sub-base sets*

For use with
MS4, MS6 & MS9
FRL service units
MS Series



STAINLESS STEEL FILTER REGULATORS

FEATURES

- Suitable for high pressure use, corrosion & chemical resistance
- · Good performance in chemically working environments & outdoor facility
- · Large flow rate & effectively removes water & particles
- · Accurate & sensitive pressure setting
- · Mini series is lightweight & compact sized for space saving

3	3	
SPECIFICATIONS	Mini	Standard
Media	Compresse	ed air
Max. inlet pressure	30 bar	45 bar
Pressure range	0.5 to 20 bar	0.5 to 12 bar (see table) 12 to 28 bar (see table)
Media temperature	-10°C to +60°C	-10°C to +70°C
Ambient temperature	-10°C to +60°C	-10°C to +70°C
Filtration	5 micron (option	nal 30 micron)
Drain	Semi automatic (optional manual drain)	Semi automatic (optional manual or auto drain)
Thread	BSP (optional	al NPT)
MATERIALS		
Body, bowl, filter element	316 stainless steel	316 stainless steel
Pressure gauge	Case – 304 stair Thread – 316 sta	
Seal	FKM	



MINI STAINLESS STEEL FILTER REGULATOR

0.5 - 20 BAR

STAINLESS STEEL FILTER REGULATORS & REGULATORS

PORT MAX. FLOW PART DRAIN NUMBER SIZE RATE @ 6 BAR TYPE SSFR500-02 1/4" 1850 l/min Semi-auto

STANDARD STAINLESS STEEL FILTER REGULATOR

0.5 - 12 BAR

USFRB02	1/4"	2200 l/min	Semi auto
USFRB03	3/8"	2500 I/min	Semi auto
USFRB04	1/2"	3800 l/min	Semi auto
USFRB06H	3/4"	8500 I/min	Manual
USFRB08H	1"	8900 I/min	Manual

12 - 28 BAR

USFR02 USFR03	1/4" 3/8"	2200 l/min 2500 l/min	Semi auto Semi auto	
USFR04	1"	3800 l/min	Semi auto	
USFR06H	3/4"	17000 l/min	Manual	
USFR08H	1"	21000 l/min	Manual	

STAINLESS STEEL REGULATORS

FEATURES

- · Suitable for high pressure use, corrosion & chemical resistance
- Good performance in chemically working environments & outdoor facility
- · Large flow rate & effectively removes water & particles
- · Accurate & sensitive pressure setting
- · Mini series is lightweight & compact sized for space saving

-		
SPECIFICATIONS	Mini	Standard
Media	Compressed air	Air
Max. inlet pressure	30 bar	45 bar
Test pressure	60 bar	60 bar
Pressure range	0.5 to 20 bar	0.5 to 12 bar (see table) 12 to 28 bar (see table)
Ambient temperature	-10°C to +60°C	-10°C to +70°C
Thread	BSP (option	onal NPT)
MATERIALS		
Body	316 stain	less steel
Pressure gauge		stainless steel stainless steel
Seal	F	KM





STANDARD STAINLESS STEEL REGULATOR

0.5 - 12 BAR

USRB02	1/4"	1950 l/min	
USRB03	3/8"	2250 I/min	
USRB04	1/2"	2520 I/min	
USRB06	3/4"	9000 l/min	
USRB08	1"	9400 l/min	

12 - 28 BAR

USR02	1/4"	1950 l/min	
USR03	3/8"	2250 I/min	
USR04	1/2"	2520 I/min	
USR06	3/4"	18000 l/min	
USR08	1"	22000 I/min	



Master Pneumatic Filenco Dryer / Filter Range

through their triple-action cleaning process, making them perfect for critical applications and variable temperatures.

CD - clay desiccant

alumina-silicate complexes

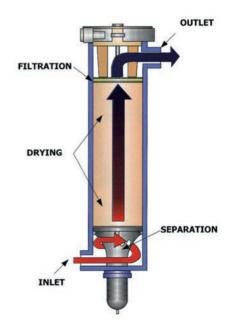
- Low-pressure dew point depression up to 80°F
 Generally used with oilless compressors
 If the application contains oil, install a coalescing filter before the MS

CDC - clay desiccant with layer of activated carbon

- Produces slightly lower initial dew points than clay alone
 Provides a better removal of toxic gases and oil aerosols
 Dryers require element disk replacements to function correctly.











3220

3220





PART NUMBER	PORT SIZE	FLOW	DESICCANT
M-CD25-2D4MW	G1/4"	7 SCFM (3.3 l/s)	CD
M-MS25-2D4MW	G1/4"	7 SCFM (3.3 l/s)	MS
M-CDC25-2D4MW	G1/4"	7 SCFM (3.3 l/s)	CDC

SERIES 418
MBA FLOAT DRAIN METAL BOWL
MOISTURE INDICATOR

PART NUMBER	PORT SIZE	FLOW	DESICCANT
M-CD418-8D4MW	G1"	70 SCFM (34 l/s)	CD
M-MS418-8D4MW	G1"	70 SCFM (34 l/s)	MS
M-CDC418-8D4MW	G1"	70 SCFM (34 l/s)	CDC



SERIES 36
MBA FLOAT DRAIN METAL BOWL
MOISTURE INDICATOR

PART NUMBER	PORT SIZE	FLOW	DESICCANT
M-CD36-3D4MW	G3/8"	18 SCFM (8.5 l/s)	CD
M-MS36-3D4MW	G3/8"	18 SCFM (8.5 l/s)	MS
M-CDC36-3D4MW	G3/8"	18 SCFM (8.5 l/s)	CDC



MBA FLOAT DRAIN METAL BOWL MOISTURE INDICATOR

PART NUMBER	PORT SIZE	FLOW	DESICCANT	
M-CD625-12D4MW	G1 1/2"	150 SCFM (70 l/s)	CD	
M-MS625-12D4MW	G1 1/2"	150 SCFM (70 l/s)	MS	
M-CDC625-12D4MW	G1 1/2"	150 SCFM (70 l/s)	CDC	





PART NUMBER	PORT SIZE	FLOW	DESICCANT
M-CD38-3D4MW	G1/2"	30 SCFM (14 l/s)	CD
M-MS38-3D4MW	G1/2"	30 SCFM (14 l/s)	MS
M-CDC38-3D4MW	G1/2"	30 SCFM (14 l/s)	CDC



M-CDC832-16D4MW G2" 300 SCFM (142 l/s)

MOISTURE INDICATOR					;
	PART NUMBER	PORT SIZE	FLOW	DESICCANT	
	M-CD832-16D4MW	G2"	300 SCFM (142 l/s)	CD	
	M-MS832-16D4MW	G2"	300 SCFM (142 l/s)	MS	



CDC





8230

DROPOUT® AUTO-DRAIN

DESCRIPTION

The Dropout® Auto-drain is designed to remove all contaminants from dropout units automatically. It has two 1/2" inlet connections, enabling flexible installation. It is supplied with a metal blanking plug

FEATURES / BENEFITS

- · Drains all contaminants (water, oil & solid particles) automatically
- Maintenance free
- · No mains power or batteries required
- · Easy to install

SPECIFICATIONS

Water storage	350 cc
Max. flow rate	5760 l/min
Max. inlet pressure	16 bar
Operating temperature	0°C to 80°C (32°C to 176°C)





AUTO-DRAIN

PART NUMBER	INLET / OUTLET
PDOAD128	1/2"

DROPOUT® WATER SEPARATOR WITH AUTO-DRAIN

DESCRIPTION

The unique design of this product enables it to efficiently remove 99.9999% of liquid (water and oil) and 99% of solid particulates as small as 1 micron. It guarantees exceptional compressed air quality. The 'Compact' Dropout® unit is an inline point-of-use liquid (water and oil) separator and contaminant remover. It is utilised in a broad range of applications and flow rates. Unlike traditional cyclonic separators, which rely on constant and stable flows. Dropout® can maintain its performance levels even during start-up and reaches optimum performance in just a fraction of a second.

You don't need to buy and maintain various products for protection anymore. This device gives you all the protection you need in one place. This compressed air filter has multiple stages and doesn't require any replacement filters. Once installed, there are also no ongoing servicing costs.

Save money. Save energy. Save time

- · Superior protection for your compressed air equipment at point of use
- · Stand-alone replacement for water separators and / or coalescing filters
- · Protection upstream of refrigerant & desiccant dryers
- · Easy to install, no mains power & no consumables
- · No increase in pressure drop caused by blocked filters
- · Significantly lower life cycle costs

Instantaneous recovery from pulsed flows or stop start · Maintenance free with built-in auto-drain

SPECIFICATIONS 283 I/min / 10 CFM Optimum flow rate Water storage 50 cc Max. inlet pressure 16 bar Working pressure 1 to 15 bar





8230

WATER SEPARATOR WITH AUTO DRAIN

NYI ON

PART NUMBER INLET / OUTLET PDO300PA 1/2

STAINLESS STEEL DROPOUT® WATER SEPARATOR

Dropout® is a unique, scientifically engineered, patent protected, multi-stage compressed air filter that removes 99.9999% of liquid (water & oil) & 99% solid particulated down to 1 micron. This unique, multi-stage, compressed air filter requires no replacement filters & once fitted, the ongoing servicing costs are

FEATURES / BENEFITS

- · Guaranteed 99.9999% water removal
- · Particulate removal to 1 micron
- · Low cost of ownership & maintenance free
- · Complete with wall bracket & drain valve
- · Minimal inlet / outlet pressure drop
- · Performance does not depend on the compressed air having a stable flow rate or high velocity
- · Modular, scalable design delivers a wide flow rate product range, without compromising the efficiency of removal of water & solid particles
- · Unique, patent protected, multiple impact design, operates far more efficiently than conventional filter designs
- · No drop in water or particle removal efficiency, regardless of flow rate or duration of time installed
- · Certified to ISO 12500 parts 3 & 4
- ATEX Mark Ex II 2G IIC T6 Gb

SPECIFICATIONS

Max. inlet pressure 15 bar



STAINLESS STEEL





8230

PART NUMBER	INLET / OUTLET	MAX. FLOW RATE	
PDO60S	1/4"	90 l/min	
PDO300S	1/2"	450 l/min	
PDO600S	3/4"	900 l/min	
PDO900S	3/4"	1350 l/min	
PDO1500S	1"	2314 I/min	
PDO2000S	1"	3085 l/min	



Jorc Condensate Management Products

JORC is a global expert in managing condensate, offering various solutions, including condensate drains, oil water separators, and air-saving equipment. Condensate management is essential for removing impurities from compressed air systems, ensuring they function efficiently

Compressed air is widely used in various industries, and virtually every industrial plant, from small machine shops to large pulp and paper mills, has some compressed air system.

Air compressors consume more electricity in many industrial facilities than other equipment. A well-managed compressed air system incorporating condensate management can help save energy, reduce maintenance costs, minimise downtime, increase production, and improve product quality.

Products

Oil / water separators
Air saving products
Level sensed drains
Timers

Available ranges

Magy Nufors-CR Kaptiv-MD Combo-D-Lux Tec-44 EZ-1







COMPRESSED AIR ENERGY SAVERS

DESCRIPTION

The AIR-SAVER tool has been helping end-users save valuable compressed air for years. It does this by preventing air from escaping unnecessarily, reducing compressor running hours, extending its lifetime, saving energy, and cutting operating costs. Typically, the AIR-SAVER is installed on the air outlet of the air receiver. In some giant factories, it can also close off certain parts of the compressed air system where no compressed air is required during certain parts of the day. Air loss occurs 24 hours daily through pipe works connections and leaking float-type drains in a typical compressed air system. By installing an AIR-SAVER, the end-user can limit these air losses to only operating hours. At the end of the working day, the AIR-SAVER will automatically close off the airflow and prevent any further loss of valuable compressed air.

FEATURES / BENEFITS

- No unnecessary compressor start-up during periods when compressed air is not required
- Compressor, dryer & filter activities are reduced during factory closing hours
- At least one air receiver's worth of compressed air savings per day
- Possibility to shut off parts of the pipe line system where compressed air is not needed continuously
- Battery saves the installation set-up during power failure
- Up to 16 bar
- · Slow valve opening to avoid hammer strike in pipe line system
- Time programmed or remote controlled
- Fully automatic: maintenance free
- JORC7005 & JORC7007 models are micro-processor controlled (multicycle 7 day programme)
- JORC7005 & JORC7007 models have a large LCD display showing programme cycle & current time
- · Compact design: easy to install
- The AIR-SAVER-LS is typical connected to a light switch. By switching on the lights in the production area, the AIR-SAVER-LS will subsequently open

AIR-SAVER	AIR-SAVER-LS	
0 to 16 bar (0 to 230 psi)		
115 V AC or 230 V AC 50/60 Hz (please state)		
1°C to 100°C		
1°C to 50°C		
Indicating day, time, valve status, battery life	-	
Week planner, max. 100 switching points, to be distributed over 1 to 7 days	-	
Brass nickel plat	ed	
Yes		
Yes		
Yes	No	
IP54 (NEMA13	3)	
	0 to 16 bar (0 to 23 115 V AC or 230 V AC 50/60 H 1°C to 100°C 1°C to 50°C Indicating day, time, valve status, battery life Week planner, max. 100 switching points, to be distributed over 1 to 7 days Brass nickel plat Yes Yes Yes	



AIR-SAVER G1

COMPRESSED AIR ENERGY SAVER

PART NUMBER	INLET / OUTLET	OPENING / CLOSING DURATION
JORC7005	1" BSP	30 sec. / 90°



COMPRESSED AIR ENERGY SAVER

 PART NUMBER
 INLET / OUTLET
 OPENING / CLOSING DURATION

 JORC7007
 2" BSP
 105 sec./90°



AIR-SAVER-LS G1

COMPRESSED AIR ENERGY SAVER FOR LIGHT SWITCH INSTALLATION

PART NUMBER	INLET / OUTLET	OPENING / CLOSING DURATION
JORC7005LS	1" BSP	30 sec. / 90°

AIR-SAVER-LS G2

COMPRESSED AIR ENERGY SAVER FOR LIGHT SWITCH INSTALLATION

PART NUMBER	INLET /	OPENING / CLOSING	
	OUTLL	DUNATION	
JORC7007LS	2" BSP	105 sec./90°	



7720

AIR-SAVER REMOTE CONTROL

DESCRIPTION

A typical compressed air system has air loss through pipe work connections, leaking float type drains, etc. At the end of the working shift, the AIR-SAVER will shut the air tank off from the rest of the system. The content of the compressed air tank will be saved, rather than lost through pipe work leakages. The REMOTE SWITCHING KIT allows you to control the AIR-SAVER remotely. This is useful when the AIR-SAVER is installed high off the ground.

FEATURES / BENEFITS

· Rugged industrial design

SPECIFICATIONS

0. 20	
Supply voltage	230 V AC max.
Switch type	3-Way (open / close or auto)
Cable length	5 m
Environmental protection	IP65 (NEMA4)

AIR-SAVER REMOTE CONTROL

PART NUMBER FOR USE WITH
JORC709105 Air-Saver G1 & G2



7720





MAGNETICALLY OPERATED ZERO AIR LOSS & PNEUMATICALLY OPERATED LEVEL SENSED CONDENSATE DRAINS

DESCRIPTION

The MAGY and MAGY-UL are magnetic drains that discharge condensate from compressed air systems. They use magnetic force technology, with specially selected magnets that operate the 2/2-way direct-acting valve assembly. During the condensate discharge cycle, there is no loss of compressed air, and the discharge process is automatic. The MAGY and MAGY-UL are highly consistent and have a long operational life. The MAGY is typically used in refrigerated dryers and under piston compressors, where power is either unavailable, too expensive, or unreliable. The MAGY-UL is easy to install and service and can remain connected to the filter during maintenance.

The NUFORS-CR is a condensate drain that operates without electricity. It uses a newly developed 3/2-way level-controlled valve principle to operate a piston-type direct-acting valve. The advantage of this valve principle is that the NUFORS-CR's orifice can be 6 mm, which leads to increased reliability. It is ideally suited for applications where power is unavailable, too expensive, or unreliable. The NUFORS-CR is also suitable for applications requiring higher IP ratings (International Protection Rating). It has an IP 68/NEMA 6 rating. The discharge process is automatic, and the NUFORS-CR is highly reliable.

FEATURES / BENEFITS

- · Extremely compact with top & side inlet options
- · Level sensed magnetic technology saves air, energy & money
- · No operating cost once installed
- · Service kits available
- · Direct acting valve, for a reliable discharge
- Operating pressure 0 to 16 bar (0 to 230 psi)
- Robust, corrosion resistant aluminium housing, finished with an ElectroPhoretic coating
- · The direct acting valve is serviceable
- The MAGY & MAGY-UL bottom (outlet) can be rotated 360° for installation simplicity
- . The NUFORS-CR has a built-in TEST feature

SPECIFICATIONS	MAGY & MAGY-UL	NUFORS-CR	
Maximum drainage capacity	200 litres condensate per hour	1062 l/hr @ 16 bar	
Pressure range	0 to 16 bar (0 to 230 psi)		
Valve type	2/2 way, direct acting	Direct acting	
Valve seals	FPM		
Inlet connections	1/2" (BSPP or NPT, 2 inlet options)	1/2" (BSPP or NPT, 3 inlet options)	
Outlet connection	1/8" BSPP	1/4" BSPP with hose pipe connector	
Inlet height	MAGY: 10.3 cm (top) & 9 cm (side) MAGY-UL: 10 cm (top)	12 cm (top), 9.7 cm & 1.5 cm (side)	
Temperature range	1°C to 50°C		
Serviceable valve	Yes		
Test feature	JORC3904 & JORC3902: No JORC3914 & JORC3912: Yes		
Housing material	Corrosion resistant aluminium, EP coating		
Environmental protection	MAGY-UL & NUFORS-CR: IP68 (NEMA6)		



MAGY - DUAL INLET

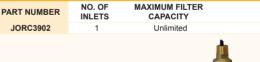
NO LOSS FILTER DRAIN

PART NUMBER	NO. OF INLETS	MAXIMUM FILTER CAPACITY
JORC3904	2	Unlimited



NO LOSS FILTER DRAIN

PART NUMBER	NO. OF INLETS	MAXIMUM FILTER CAPACITY	
JORC3902	1	Unlimited	





MAGY - DUAL INLET C/W TEST BUTTON

NO LOSS FILTER DRAIN

PART NUMBER	NO. OF INLETS	MAXIMUM FILTER CAPACITY
JORC3914	2	Unlimited

MAGY-UL C/W TEST BUTTON





7720

NUFORS-CR

NO LOSS DRAIN

PART NUMBER	OPERATION
JORC3805	Pneumatically operated





ELECTRONIC ZERO AIR LOSS DRAINS

DESCRIPTION

The KAPTIV-CS (Compact Solution) removes all types of condensate from compressed air systems up to 3500 CFM (100 m³/min) without the loss of compressed air. The compact robust industrial housing, 2/2 way direct acting valve with a large orifice, alarm NC or NO, & the integrated mesh strainer make the KAPTIV-CS a highly reliable draining solution.

FEATURES / BENEFITS

- · Robust aluminium housing with three inlet options
- · Integrated mesh strainer
- · Extremely easy to disassemble
- Can be connected to any alarm device; alarm function (NO or NC) standard incorporated
- Successful draining of all types of condensate due to large orifice
- · Easy installation & visual display of operating status
- Direct acting valve assembly, ensuring reliable discharge operation
 Including digital sight port / level indicator





KAPTIV-CS

NO LOSS DRAIN A3 N/O

PART NUMBER	VOLTAGE	DRAIN CAPACITY
JORC3403A3	230 V AC	3500 CFM
JORC3423A3	115 V AC	3500 CFM
JORC3463A3	24 V AC	3500 CFM
JORC3483A3	24 V DC	3500 CFM

A4 N/C

JORC3403A4	230 V AC	3500 CFM	
JORC3423A4	115 V AC	3500 CFM	
JORC3463A4	24 V AC	3500 CFM	
JORC3483A4	24 V DC	3500 CFM	

SPECIFICATIONS

Max. compressor capacity	3500 CFM (100 m³/min)
Maximum drainage capacity	665 litres condensate per hour at 16 bar
Pressure range	0 to 16 bar
Valve type	2/2 way, direct acting
Valve orifice	4 mm
Valve seals	FPM
Inlet connections	1/2" (BSP or NPT), 3 inlet options
Inlet height	11 cm (top) & 7.5 & 1.5 cm (side)
Outlet connection	1/4" BSP
Temperature range	1°C to 50°C
Supply voltage options	230 V AC / 115 V AC / 24 V AC / 24 V DC
Power & alarm connectors	DIN 43650-B
Serviceable valve	Yes
Test feature	Yes
Environmental protection	IP65 (NEMA4)
Integrated mesh strainer	Yes
Alarm feature type Contact output switch (voltage free)	A3: Normally open contacts, closed when in alarm phase. LED on the drain is OFF when in operation & ON when in alarm mode. A4: Normally closed contacts, open when in alarm phase. LED on the drain is OFF when in operation & ON when in alarm mode.
Housing material	Corrosion resistant aluminium

For high pressure models, please contact your distributor

ELECTRONIC ZERO AIR LOSS CONDENSATE DRAINS

The KAPTIV-MD is a zero air-loss drain, designed for smaller compressed air applications. The KAPTIV-MD incorporates the reliable JORC direct acting valve assembly with FPM seals, offering a pressure range of 0 to 16 bar (up to 230 psi). The solid & robust aluminium housing design has also been incorporated into this model, following suit with the larger KAPTIV models. With an inlet connection height of only 74 mm, this is an incredibly compact solution with unrivalled installation versatility & reliability.

The weight of the KAPTIV-MD is only 0.5 kg. The maximum compressor capacity of this drain is 350 CFM (10 m³/min) & typical draining applications include fridge dryers & filters - mainly due to its incredible compact size.

FEATURES / BENEFITS

- · Extremely compact & lightweight unit
- · True zero air-loss solution
- One model covers all compressor capacities up to 350 CFM (10 m³/min)
- · No sizing chart required
- The serviceable valve offers maintenance opportunities
- · Zero air-loss during the condensate discharge
- · Easy to install due to its low inlet height
- · External valve position allows for fast & easy maintenance
- · Direct acting valve with FPM seal
- · Robust, corrosion resistant aluminium housing
- · Integrated mesh strainer



KAPTIV-MD

NO LOSS DRAIN

PART NUMBER	VOLTAGE	DRAIN CAPACITY	NO. OF PORTS	
JORC3401	230 V AC	350 CFM	2	
JORC3402	230 V AC	350 CFM	1	
JORC3422	115 V AC	350 CFM	1	
JORC3462	24 V AC	350 CFM	1	
JORC3482	24 V DC	350 CFM	1	

SPECIFICATIONS

Max. compressor capacity	350 CFM (10 m³/min)
Maximum drainage capacity	45 litres condensate per hour at 16 bar
Pressure range	0 to 16 bar (0 to 230 psi)
Valve type	2/2 way, direct acting
Valve orifice	2 mm
Valve seals	FPM
Inlet connections	1/2" (BSP or NPT)
Inlet height	7.4 cm
Outlet connection	1/4" BSP
Temperature range	1°C to 50°C
Supply voltage options	230 V AC / 115 V AC / 24 V AC / 24 V DC
Power connector	DIN 43650-B
Serviceable valve	Yes
Test feature	Yes
Environmental protection	IP65 (NEMA4)
Housing material	Corrosion resistant aluminium, EP coating



7720

KAPTIV-MD-AL C/W OPEN ALARM CONTACT

NO LOSS DRAIN

772

20

PART NUMBER	VOLTAGE	DRAIN CAPACITY	CONTACT POSITION	NO. OF PORTS
JORC3401A1	230 V AC	350 CFM	N/O	2
JORC3402A1	230 V AC	350 CFM	N/O	1
JORC3402A2	230 V AC	350 CFM	N/C	1





DIGITAL TIMER DRAIN WITH INTEGRATED STRAINERS

DESCRIPTION

The COMBO-D-LUX feature is a digital timer setting applied on time controlled condensate drains designed to automatically remove condensate from compressed air systems. The COMBO-D-LUX is designed to remove condensate from compressors, compressed air dryers & receivers up to any size, type or manufacturer. The COMBO-D-LUX is an all in one digital timer drain with an integrated ball valve & strainer. The unit offers true digital time cycle programming luxury ranging from milliseconds to 99 hours.

FEATURES / BENEFITS

- · Does not air-lock during operation
- Suitable for all types of compressed air systems
- · TEST (micro-switch) feature
- · Bright digital illuminated cycle display



COMBO-D-LUX

DIGITAL TIMER DRAIN WITH INTEGRATED STRAINER

PART NUMBER	VOLTAGE	THREAD
JORC2507	230 V AC	1/2"
JORC2527	115 V AC	1/2"
JORC2567	24 V AC	1/2"
JORC2587	24 V DC	1/2"

SPECIFICATIONS

OI LOII IOATIONO	
Maximum compressor capacity	Any size
Pressure range	0 to 16 bar (0 to 230 psi)
Supply voltage options	12 – 230 V AC / DC 50/60 Hz (please state)
Temperature range	1°C to 55°C
Timer cycle range (on/off)	0.01 second to 99 hours (ON & OFF)
Timer PCB	SMD technology, ensuring consistency in production
Timer cycle indication	Bright LED illumination, clear LED display
Test feature	Yes
Valve type	2/2 way, direct acting
Valve orifice	4 mm
Valve seals	FPM
Inlet / outlet connections	1/4" & 1/2" (BSP or NPT) 1/2" (BSP or NPT)
Inlet connection height	1 cm
Serviceable valve	Yes
Valve housing material	Brass
Power connection	DIN 43650-A
Environmental protection	IP65 (NEMA4)

ELECTRONIC TIMER DRAINS

DESCRIPTION

The EZ-1 will be supplied including a ball valve strainer. The incorporated shut-off valve supports maintenance activity on the drain & the integrated stainless steel mesh will protect the valve construction against large particles.

FEATURES / BENEFITS

- · Does not air-lock during operation
- Any type of compressed air systems & up to 16 bar (230 psi)
- · TEST (micro-switch) feature
- · Accurate time cycles
- · Large (4 mm) valve orifice
- Various connection sizes available
- · Quick servicing advantage

For high pressure models, please contact your distributor





TIMER DRAIN



SPECIFICATIONS

Any cizo
Any size
0 to 16 bar (0 to 230 psi)
24 - 230 V AC / DC 50/60 Hz (please state)
1°C to 55°C
0.5 to 10 seconds / 0.5 to 45 minutes
SMD technology, ensuring consistency in production
Bright LED illumination
Yes
2/2 way, direct acting
4 mm
FPM
1/4", 3/8", 1/2" (BSP or NPT)
1 cm
Yes
Brass
DIN 43650-A
IP65 (NEMA4)



COMBO-F7-1

BALL VALVE / STRAINER INTEGRATED

PART NUMBER	VOLTAGE	THREAD
JORC2505	230 V AC	1/2"
JORC2525	115 V AC	1/2"





UNBLOCKABLE MOTORISED BALL VALVE DRAINS

DESCRIPTION

The TEC-44 is a microprocessor operated ball valve, designed to remove condensate from deliquescent dryers, rusty old tanks, vessels & refrigerated dryers. The TEC-44 is a powerful, timer controlled, motorised ball valve, up to pressure ratings of 40 bar. This condensate drain cannot be blocked & is applied where all else fails. Draining applications with a high level of contamination (rust, scale, etc.) require the TEC-44. The TEC-44 is impossible to block due to its powerful ball valve rotation & large orifice.

FEATURES / BENEFITS

- · Stainless steel ball valve, offering you crushing power
- Digital cycle display, offering you a visual display of drain status
- Large (full bore) 12 mm orifice, offering you a drain that cannot block
- · Does not air-lock during operation
- · For compressed air applications up to 40 bar
- Suitable for all types of compressed air systems with a high contamination of its condensate (rust, scale)
- · TEST (micro-switch) feature
- Micro-processor controlled (high level of time cycle accuracy)
- · Medium pressure up to 40 bar
- Remote control optional



TEC-44

UNBLOCKABLE MOTORISED BALL VALVE DRAIN

7720

PART NUMBER	VOLTAGE	THREAD
JORC4008	230 V AC	1/2" BSPP
JORC4028	115 V AC	1/2" BSPP

SPECIFICATIONS Max. compressor capacity Anv size Pressure range 0 to 40 bar (0 to 600 psi) 24 V DC, 115 V AC & 230 V AC 50/60 Hz Supply voltage options (please state) 1°C to 60°C Medium temperature Ambient temperature 1°C to 55°C 7 seconds to 15 minutes ON Timer cycle range (on/off) 4 minutes to 24 hours OFF Actuator PCB SMD technology, ensuring consistency in Timer cycle indication Bright LED illumination, LED programme indicator Test feature Valve type 2/2 way, motorised ball valve Valve orifice 12 mm FPM & Teflon™ Valve seals Inlet / outlet connections 1/2" (BSP or NPT) Inlet connection height 1 cm Serviceable valve Yes Valve housing material Brass nickel plated, ball valve stainless steel Power connection Cable & plug Environmental protection IP65 (NEMA4) Remote switch option Yes

OIL / WATER SEPARATORS - SERVICEABLE

DESCRIPTION

As condensate flows in to the SEPREMIUM 2 Serviceable, the oil is filtered out through various filtration stages.

The SEPREMIUM 2 Serviceable is developed according to the latest ecological standard & convinces with its possible <5 ppm residual oil content.

High-performance elements ensure that the best environmentally compatible results are achieved, in addition to easy handling.

Our SEPREMIUM 2 Serviceable is installed with the mounting bracket (included in delivery). Replacing the SEPREMIUM 2 Serviceable elements is easy to do.

As soon as the condensate enters the SEPREMIUM 2 Serviceable, it is filtered through the various filter elements. The oil absorbing elements combine different types of adsorption technologies, assuring a result of less than 5 ppm residual oil content at the exit can be achieved.

FEATURES / BENEFITS

- · Application of high-quality filtration material
- Simple, quick & clean installation & replacement process
- Successful separation of mineral oil, synthetic oil & stable condensate emulsions
- Bracket for wall mounting included
- · Brass hose connectors ensure quick & stable installation
- Easy installation & maintenance
- Any type & design of condensate drain can be used
- Special designs are available to treat the condensates from 'stable condensate emulsions' & polyglycol powered compressed air systems
- First class value for money
- · Compact dimensions ensure easy handling & installation



SEPREMIUM 2

SERVICEABLE OIL / WATER SEPARATOR

PART NUMBER COMPRESSOR CAPACITY

JORC9802 70 CFM (2 m³/min)



	11.
ELEMENT OIL ADSORPTION	
2 litres	

SPECIFICATIONS

0. 200700	
Max. compressor capacity	70 CFM (2 m³/min)
Max. oil adsorption in the elements	2 litres
High performance white element	1
Activated carbon element	1
Inlet connection	1/2" with 10 mm hose
Outlet connection	1/2" with 13 mm hose
Test valve	Yes
Housing material	PP
Housing colour	Black
Lid colour	Grey
Test kit included	Yes
Target oil residue output value	<5 ppm
Inlet & outlet hose pipe connectors	Included
DIBt certificate	Yes
SEPARATION OF:	
Mineral lubricants	Yes
Synthetic lubricants	Yes
Stable emulsions	Yes
Polyglycol	Yes





OIL / WATER SEPARATORS

FEATURES / BENEFITS

- · Separation of all types of compressor lubricants
- Compact design & small footprint, offering easy handling & flexible installation benefits
- Successful separation of mineral oil, synthetic lubricants & stable emulsions
- · Clothing kit included



SEPREMIUM 3.5

OIL / WATER SEPARATOR

PART NUMBER	COMPRESSOR CAPACITY		
JORC9603	125 CFM (3.5 m³/mi		

OMPRESSOR ELEMENT OIL
CAPACITY ADSORPTION

CFM (3.5 m³/min) 4 litres

SPECIFICATIONS	
Max. compressor capacity	125 CFM (3.5 m³/min)
Max. oil adsorption in the elements	4 litres
Brass inlet connection	1/2" (hose barb included)
Brass outlet connection	1/2" (hose barb included)
Test kit	Yes
Target output value	<10 ppm
Housing material	PE
Total recyclable	Yes
Housing colour	Black
Lid colour	Grey
DIBt certificate	Yes

FEATURES / BENEFITS

- · Lighter & easier replacement of elements
- Successful separation of mineral oil, synthetic lubricants & stable emulsions
- · Multiple condensate inlets
- Alarm indicator
- Sample bottle & test drain for output testing / measuring the ppm value (indication)
- Operates with all JORC type drains (both timer controlled & zero air loss)

*Please contact your distributor for special elements and / or 24/7 applications. Roto-Inject & Sigma Mol are registered trade names of producers of compressor lubricants.

SPECIFICATIONS	
High performance white element	2
Activated carbon element SEPREMIUM 5, 10, 20, 30 SEPREMIUM 60	1 2
Inlet connection	1/2" (2 off)
Outlet connection	1"
Test valve	Yes
Housing material	PE
Housing colour	Black
Lid colour	Grey
Alarm indicator	Yes
Element life indicator	Yes
Service drain for sectional draining SEPREMIUM 5 SEPREMIUM 10, 20, 30, 60	No Yes (2 off)
Test kit included	Yes
Target oil residue output value	<10 ppm
Inlet & outlet hose pipe connectors	Included
DIBt certificate	Yes
SEPARATION OF:	
Mineral lubricants	Yes
Synthetic lubricants	Yes
Stable condensate emulsions	Yes
Polyglycol, Roto-Inject, Sigma Mol*	Yes

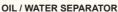


SEPREMIUM 5 OIL / WATER SEPARATOR

PART NUMBER COI

COMPRESSOR CAPACITY 175 CFM (5 m³/min) ELEMENT OIL ADSORPTION 5 litres

SEPREMIUM 10





COMPRESSOR CAPACITY 350 CFM (10 m³/min)

ELEMENT OIL ADSORPTION n) 10 litres







OIL / WATER SEPARATORS

FEATURES / BENEFITS

- · Lighter & easier replacement of elements
- Successful separation of mineral oil, synthetic lubricants & stable emulsions
- · Multiple condensate inlets
- · Alarm indicator
- · Sample bottle & test drain for output testing / measuring the ppm value (indication)
- · Operates with all JORC type drains (both timer controlled & zero air loss)

*Please contact your distributor for special elements and / or 24/7 applications. Roto-Inject & Sigma Mol are registered trade names of producers of compressor lubricants.



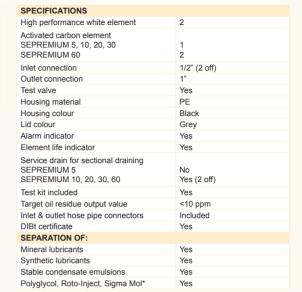
SEPREMIUM 20

OIL / WATER SEPARATOR

PART NUMBER JORC9620

COMPRESSOR CAPACITY

ELEMENT OIL ADSORPTION 750 CFM (20 m³/min) 15 litres





SEPREMIUM 30

OIL / WATER SEPARATOR

COMPRESSOR **ELEMENT OIL** PART NUMBER CAPACITY **ADSORPTION** JORC9630 1250 CFM (30 m³/min) 25 litres



SEPREMIUM 60

OIL / WATER SEPARATOR

COMPRESSOR **ELEMENT OIL** PART NUMBER CAPACITY ADSORPTION **JORC9660** 2500 CFM (60 m³/min) 50 litres





CONDENSATE MANAGEMENT SERVICE KITS. SERVICE UNITS & ACCESSORIES



SERVICE KITS

DESCRIPTION

Great care is taken to ensure long lasting components are selected & applied in our products. JORC products are designed in a way that makes servicing simple, quick & error free. Servicing JORC products is a cost effective way to recondition the products for many more years of draining service.

FEATURES / BENEFITS

- · High quality seals are applied, offering you long product life.
- Stainless steel inner parts, offering long life resistance against aggressive medium
- Service manuals are available, offering useful information & guidelines during routine maintenance activities
- All JORC products are designed for quick & easy servicing
- The service kits include all components that wear & tear in our products



MAGY VALVE SERVICE KIT

PART NUMBER KIT CONTENTS

1 x Valve assembly kit & valve body

1 x Complete float assembly

JORC39000

JORC38000

- 1 x Seal 1 x NBR gasket
- 1 x Allen key for Xtender kit 6 mm



NUFORS-CR VALVE SERVICE KIT РΔ

RT NUMBER	1		K	IT (CON	TENTS

- 1 x Complete float assembly
- 1 x Valve plunger set for NUFORS-CR
- 1 x Testknob set for NUFORS-CR
- 1 x 3/2-way valve set for NUFORS-CR
- 1 x Preformed gasket
- 1 x Valve O-ring for NUFORS-DC top air inlet
- 1 x Manual NUFORS-CR SERVICE 5

languages

KAPTIV-MD VALVE SERVICE KIT

PART NUMBER

JORC34001

KIT CONTENTS

- 1 x Stainless steel mesh
- 1 x Valve incl. IP set
- 1 x Preformed gasket
- 1 x O-ring
- 1 x Manual KAPTIV-MD Service 5 languages



PART NUMBER

JORC34000

- 1 x Mesh strainer 1 x Valve
- 1 x O-rings
- 1 x Manual KAPTIV-CS Service 5 languages



EZ-1 / COMBO-EZ-1 SERVICE KIT

PART NUMBER	KIT CONTENTS		
JORC298114	1 x Valve inc. seals		

SERVICE UNITS FOR OIL / WATER SEPARATORS



SEDVICE DACKS

New

SERVICE I ACIO		1120
PART NUMBER	FOR USE WITH	
JORC98029	SEPREMIUM 2	
JORC96039	SEPREMIUM 3.5	
JORC96059	SEPREMIUM 5	
JORC96109	SEPREMIUM 10	
JORC96209	SEPREMIUM 20	
JORC96309	SEPREMIUM 30	
JORC96609	SEPREMIUM 60	

ACCESSORIES FOR ZERO AIR LOSS TYPE DRAIN



IN-LINE STRAINER

PART NUMBER	FEMALE THREAD	MALE THREAD	
JORC9008	1/2" BSPP	1/4" BSPP	