

Atlas Copco



Atlas Copco FRL range

Optimise your pneumatic tools



Atlas Copco FRL RANGE


Atlas Copco FRL range ensures maximum performance and increases the service life of your pneumatic tools.

Features

- Compact
- Low pressure drop
- Modular design with Filter, Lubricator & Regulator
- Increases the service life of your air tools service life

Benefits

- Simple & quick installation
- High efficiency
- Ensures good air quality
- Optimises the performance of your air tools



Supply pressure
1.5 - 16 bar at inlet
0.5 - 10 bar at outlet

FILTER ELEMENT
5µm



PRODUCT portfolio

Air Preparation Units (FRL)

Filter (F)

Separating water and solid particles from the air line and compressor



Regulator (R)

Ensuring the right tool pressure (6.3 bar / 90 psi)



Lubricator (L)

Supplying the correct amount of oil to the tool in order to prolong the service life



Filter/regulator

Filter mounted with regulator



Filter/regulator+lubricator (FRL)

All units mounted together



MINI

1/4" - connection (NPT/BSP)

Medium:

Can be used with compressed air
and neutral gases

Filter element:

5 µm



MIDI

1/2" - connection (NPT/BSP)

Medium:

Can be used with compressed air
and neutral gases

Filter element:

5 µm



MAXI

3/4" & 1" - connection (NPT/BSP)

Medium:

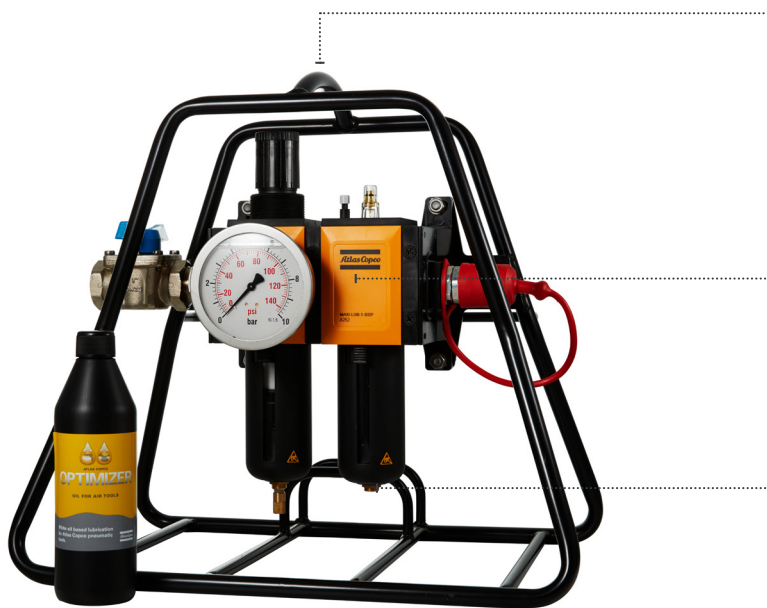
Can be used with compressed air
and neutral gases

Filter element:

5 µm



THE FRL stand



Handle
for easy
carrying

Featuring
Atlas Copco
new FRL
range

Tool holder,
for easy
mobility

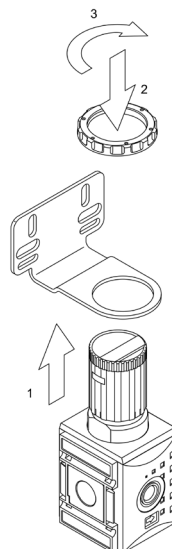


Model name	Max Air Flow l/s (Cfm)	Weight kg (lbs)	Part Number
FRL-STAND-MAXI-NPT	200 (424)	7.95 (17.5)	9090303013
FRL-STAND-MAXI-BSP	200 (424)	7.85 (17.3)	9090303014

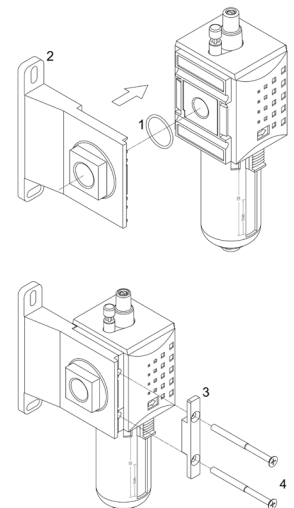
Hose Kits to be used with FRL Stands	Part Number
Hose Kit for 1/4 Inch Tool Inlet BSP	8202135082
Hose Kit for 3/8 Inch Tool Inlet BSP	8202135068
Hose Kit for 1/2 Inch Tool Inlet BSP	8202118182
Hose Kit for 1/4 Inch Tool Inlet NPT	8202135083
Hose Kit for 3/8 Inch Tool Inlet NPT	8202135069
Hose Kit for 1/2 Inch Tool Inlet NPT	8202118191

ACCESSORIES

All separate units, mounting brackets, assembly kits and pressure gauges need to be ordered separately. F/R and FRL units are delivered with gauge. Wall brackets are available for each unit but need to be ordered separately based on your customer needs. Mounting plate is available to be ordered for Pressure Regulator & filter pressure regulator.



Mounting Plate



Wall Bracket

*Mounting Plate can't be used with Maxi units due to weight of the unit.

TECHNICAL data

MINI range

Model name	Max Air Flow l/s (Cfm)	Bowl material	Max condensate capacity cm ³ (oz)	Max oil capacity cm ³ (oz)	Weight kg (lbs)	Part Number
MINI Range						
Filter						
MINI-FIL-1/4-BSP	37 (78)	Plastic, PC with PA bowl guard	10 (0.34)		0.28 (0.63)	4221000131
MINI-FIL-1/4-NPT	37 (78)	Plastic, PC with PA bowl guard	10 (0.34)		0.28 (0.63)	4221000132
Regulators						
MINI-REG-1/4-BSP	34 (71)				0.30 (0.68)	4221 0001 39
MINI-REG-1/4-NPT	34 (71)				0.30 (0.68)	4221 0001 40
Lubricators						
MINI-LUB-1/4-BSP	46 (97)	Plastic, PC with PA bowl guard		40 (1.35)	0.28 (0.61)	4221 0001 47
MINI-LUB-1/4-NPT	46 (97)	Plastic, PC with PA bowl guard		40 (1.35)	0.28 (0.61)	4221 0001 48
Filter/regulator						
MINI-F/R-1/4-BSP	34 (71)	Plastic, PC with PA bowl guard	10 (0.34)		0.48 (1.05)	4221 0001 55
MINI-F/R-1/4-NPT	34 (71)	Plastic, PC with PA bowl guard	10 (0.34)		0.51 (1.12)	4221 0001 56
Filter/regulator+lubricator						
MINI-FRL-1/4-BSP	29 (62)	Plastic, PC with PA bowl guard		40 (1.35)	0.78 (1.72)	4221 0001 63
MINI-FRL-1/4-NPT	29 (62)	Plastic, PC with PA bowl guard		40 (1.35)	0.83 (1.83)	4221 0001 64

MIDI range

Model name	Max Air Flow l/s (Cfm)	Bowl material	Max condensate capacity cm ³ (oz)	Max oil capacity cm ³ (oz)	Weight kg (lbs)	Part Number
MIDI Range						
Filter						
MIDI-FIL-1/2-BSP	59 (124)	Plastic, PC with PA bowl guard	31 (1.05)		0.43 (0.94)	4221 0001 33
MIDI-FIL-1/2-NPT	59 (124)	Plastic, PC with PA bowl guard	31 (1.05)		0.46 (1.01)	4221 0001 34
Regulators						
MIDI-REG-1/2-BSP	83 (177)				0.49 (1.08)	4221 0001 41
MIDI-REG-1/2-NPT	83 (177)				0.50 (1.11)	4221 0001 42
Lubricators						
MIDI-LUB-1/2-BSP	134 (283)	Plastic, PC with PA bowl guard		80 (2.7)	0.4 (0.91)	4221 0001 49
MIDI-LUB-1/2-NPT	134 (283)	Plastic, PC with PA bowl guard		80 (2.7)	0.42 (0.92)	4221 0001 50
Filter/regulator						
MIDI-F/R-1/2-BSP	83 (177)	Plastic, PC with PA bowl guard	31 (1.05)		0.66 (1.46)	4221 0001 57
MIDI-F/R-1/2-NPT	83 (177)	Plastic, PC with PA bowl guard	31 (1.05)		0.67 (1.48)	4221 0001 58
Filter/regulator+lubricator						
MIDI-FRL-1/2-BSP	65 (138)	Plastic, PC with PA bowl guard	31 (1.05)	80 (2.7)	1.16 (2.55)	4221 0001 65
MIDI-FRL-1/2-NPT	65 (138)	Plastic, PC with PA bowl guard	31 (1.05)	80 (2.7)	1.17 (2.58)	4221 0001 66

MAXI range

Model name	Max Air Flow l/s (Cfm)	Bowl material	Max condensate capacity cm ³ (oz)	Max oil capacity cm ³ (oz)	Weight kg (lbs)	Part Number
MAXI Range						
Filter						
MAXI-FIL-3/4-BSP	134 (283)	Plastic, PC with PA bowl guard	69 (2.33)		0.9 (2.1)	4221 0001 35
MAXI-FIL-3/4-NPT	134 (283)	Plastic, PC with PA bowl guard	69 (2.33)		1 (2.19)	4221 0001 36
MAXI-FIL-1-BSP	134 (283)	Plastic, PC with PA bowl guard	69 (2.33)		0.8 (1.9)	4221 0001 37
MAXI-FIL-1-NPT	134 (283)	Plastic, PC with PA bowl guard	69 (2.33)		0.9 (2.01)	4221 0001 38
Regulators						
MAXI-REG-3/4-BSP	237 (501)				1.02 (2.2)	4221 0001 43
MAXI-REG-3/4-NPT	237 (501)				1.03 (2.28)	4221 0001 44
MAXI-REG-1-BSP	237 (501)				0.95 (2.09)	4221 0001 45
MAXI-REG-1-NPT	237 (501)				0.97 (2.13)	4221 0001 46
Lubricators						
MAXI-LUB-3/4-BSP	234 (494)	Plastic, PC with PA bowl guard		181 (6.12)	0.95 (2.10)	4221 0001 51
MAXI-LUB-3/4-NPT	234 (494)	Plastic, PC with PA bowl guard		181 (6.12)	0.96 (2.12)	4221 0001 52
MAXI-LUB-1-BSP	234 (494)	Plastic, PC with PA bowl guard		181 (6.12)	0.89 (1.95)	4221 0001 53
MAXI-LUB-1-NPT	234 (494)	Plastic, PC with PA bowl guard		181 (6.12)	0.90 (1.98)	4221 0001 54
Filter/regulator						
MAXI-F/R-3/4-BSP	217 (459)	Plastic, PC with PA bowl guard	69 (2.33)		1.29 (2.84)	4221 0001 59
MAXI-F/R-3/4-NPT	217 (459)	Plastic, PC with PA bowl guard	69 (2.33)		1.31 (2.89)	4221 0001 60
MAXI-F/R-1-BSP	217 (459)	Plastic, PC with PA bowl guard	69 (2.33)		1.29 (2.84)	4221 0001 61
MAXI-F/R-1-NPT	217 (459)	Plastic, PC with PA bowl guard	69 (2.33)		1.25 (2.75)	4221 0001 62
Filter/regulator+lubricator						
MAXI-FRL-3/4-BSP	200 (424)	Plastic, PC with PA bowl guard	69 (2.33)	181 (6.12)	2.35 (5.19)	4221 0001 67
MAXI-FRL-3/4-NPT	200 (424)	Plastic, PC with PA bowl guard	69 (2.33)	181 (6.12)	2.41 (5.32)	4221 0001 68
MAXI-FRL-1-BSP	200 (424)	Plastic, PC with PA bowl guard	69 (2.33)	181 (6.12)	2.22 (4.89)	4221 0001 69
MAXI-FRL-1-NPT	200 (424)	Plastic, PC with PA bowl guard	69 (2.33)	181 (6.12)	2.28 (5.32)	4221 0001 70



FRL video



Air line configurator



FRL webpage

Scan the codes to discover more about our wide range of **Air Line Infrastructure** products and solutions

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