

# FIL + REG + LUB Skillair®

Refer to the sections on the single modules for a further description, components and other technical data.



TECHNICAL DATA		FRL 100		FRL 200			FRL 300			FRL 400			
Threaded port		1/4"	3/8"	1/4"	3/8"	1/2"	1/2"	3/4"	1"	1"	1 1/4"	1 1/2"	2"
Setting range		0 to 8 - 0 to 12		0 to 8 - 0 to 12			0 to 8 - 0 to 12			Depending on pilot regulator			
Degree of filtration	μm	5 - 20		5 - 20			5 - 20			5 - 20 - 50			
Max. inlet pressure	MPa	1.5		1.3			1.3			1.3			
	bar	15		13			13			13			
Flow rate at 6.3 bar ΔP 0.5 bar	psi	217		188			188			188			
	Nl/min	300		1300			2500			9000			
	scfm	11		46			89			320			
Flow rate at 6.3 bar ΔP 1 bar	Nl/min	800		3000			4500			-			
	scfm	28		106			160			-			
Max temperature at 10 bar	°C	50		50			50			50			
	°F	122		122			122			122			
Weight	kg	0.75		1.5			2.9			~ 10			
Wall fixing screws		M4 x 50		M5 x 60			M5 x 70			M6 x 110			
Fluid		Compressed air											
Notes on use		The maximum inlet pressure for the version with RA automatic condensate drainage must not exceed 10 bar. Do not take air from pressure gauge ports.											

## SYNOPTIC, SIZES AND VERSIONS

FRL ELEMENT	100 SIZE	1/4 THREADED PORT	20 DEGREE OF FILTRATION	08 SETTING RANGE	RMSA TYPE OF CONDENSATION DRAIN
FRL	100	1/4 3/8	5 = 5 μm 20 = 20 μm 50 = 50 μm	08 = 0 to 8 bar 012 = 0 to 12 bar	RMSA SAC
	200	1/4 3/8 1/2			RMSA SAC RA
	300	1/2 3/4 1			RMSA RA
	400	1 1 1/4 1 1/2 2			

RMSA: drain with manual condensate discharge and automatic discharge at zero pressure

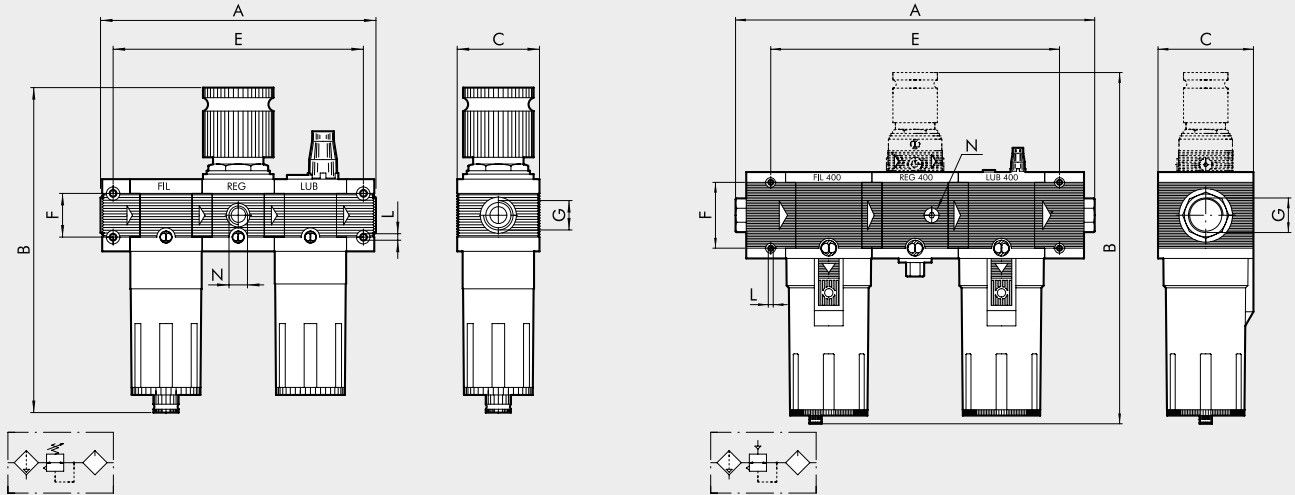
RA: automatic drain with condensate discharge, independent of pressure and flow rate.  
(for size 200, 300 and 400).  
Version conveys the draining by inserting the pipe having internal diameter 6 mm in the lower port.

SAC: automatic drain with condensate discharge.  
**Operates by pressure drop – requires variable air take-offs.**  
(for size 100 and 200)

**DIMENSIONS FIL + REG + LUB**

100 - 200 - 300

400



	FIL + REG + LUB 100		FIL + REG + LUB 200			FIL + REG + LUB 300			FIL + REG + LUB 400			
Threaded port G	1/4"	3/8"	1/4"	3/8"	1/2"	1/2"	3/4"	1"	1"	1 1/4"	1 1/2"	2"
A	164		204.5			240			436 to 466			
B	RMSA	199	245			278			444			
	RA	-	249			282			448			
	SAC	203	249			282			448			
C	50		63			72			118			
E	149		189.5			222			352			
F	26		36			42			80			
L	Hole for M4 screws		Hole for M5 screws			Hole for M5 screws			Hole for M6 screws			
N (pressure gauge port)	1/8"		1/8"			1/8"			1/4"			

**ORDERING CODES**

Code Description

**FIL+REG+LUB Skillair® 100**

- 3282008 FRL 100 1/4 20 08 RMSA
- 3282011 FRL 100 1/4 20 012 RMSA
- 3382008 FRL 100 3/8 20 08 RMSA
- 3382011 FRL 100 3/8 20 012 RMSA

**FIL+REG+LUB Skillair® 200**

- 3482008 FRL 200 1/4 20 08 RMSA
- 3482011 FRL 200 1/4 20 012 RMSA
- 3582008 FRL 200 3/8 20 08 RMSA
- 3582011 FRL 200 3/8 20 012 RMSA
- 3682008 FRL 200 1/2 20 08 RMSA
- 3682011 FRL 200 1/2 20 012 RMSA

**FIL+REG+LUB Skillair® 300**

- 4482005 FRL 300 1/2 20 08 RMSA
- 4482008 FRL 300 1/2 20 012 RMSA
- 4582005 FRL 300 3/4 20 08 RMSA
- 4582008 FRL 300 3/4 20 012 RMSA
- 4682005 FRL 300 1 20 08 RMSA
- 4682008 FRL 300 1 20 012 RMSA

**FIL+REG+LUB Skillair® 400**

- 6182002 FRL 400 1 20 RMSA
- 6182005 FRL 400 1 20 RA
- 6282002 FRL 400 1 1/4 20 RMSA
- 6382002 FRL 400 1 1/2 20 RMSA
- 6482002 FRL 400 2 20 RMSA

The following versions are available on request:

- with 5 µm or 50 µm degree of filtration
- with SAC or RA condensate discharge