

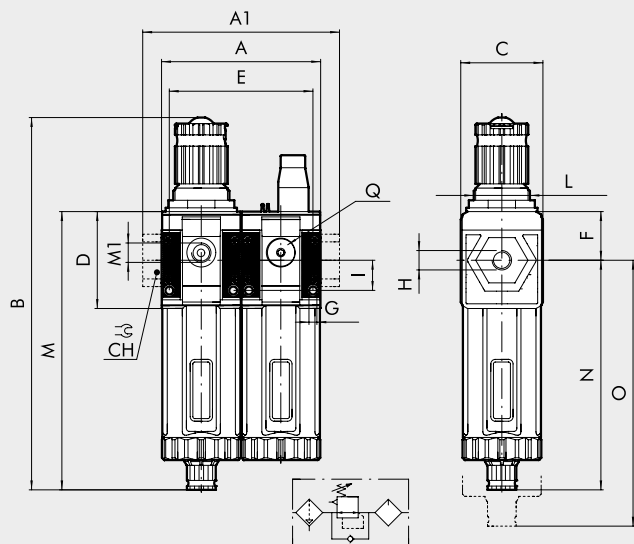
For full details and list of components refer to the sections about filter-regulator and the lubricator.



TECHNICAL DATA	FR + LUB SY1			FR + LUB SY2			
	1/8"	1/4"	3/8"	3/8"	1/2"	3/4"	1"
Threaded port							
Degree of filtration	5 (yellow) - output air purity class ISO8573-1: 3.7.- 20 (white) - output air purity class ISO8573-1: 4.7.- 50 (blue) - output air purity class ISO8573-1: 5.7.-						
Max. inlet pressure	15			13			
	1.5 MPa			1.3 MPa			
Flow rate at 6.3 bar (0.63 MPa; 91 psi) ΔP 0.5 bar (0.05 MPa; 7 psi) (P In=10 bar)	217			188			
	350 NL/min			1200 NL/min			
Flow rate at 6.3 bar (0.63 MPa; 91 psi) ΔP 1 bar (0.1 MPa; 14 psi) (P In=10 bar)	12			42.5			
	1400 NL/min			4000 NL/min			
Relief valve flow rate at 6.3 bar (0.63 MPa; 91 psi)	50			141.5			
	70 NL/min			100 NL/min			
Min/max temperature at 10 bar; 1 MPa; 145 psi	2.5			3.5			
Padlockable knob	From -10 to +50			From -10 to +50			
Upstream pressure compensation	Included						
Weight	Included, via balanced valve						
Fluid	414	409	400	1074	1047	1043	1031
Mounting position	Vertical			Vertical			
Additional air take-off, for pressure gauges or fittings	1/8", front and rear			1/4", front and rear			
Additional air take-off flow rate at 6.3 bar (0.63 MPa; 91 psi) ΔP 1 bar (0.1 MPa; 14 psi)	500 (FR) - 450 (LUB)			1400 (FR) - 800 (LUB)			
	18 (FR) - 16 (LUB)			49.5 (FR) - 28 (LUB)			
Filter bowl capacity (condensate)	30			70			
Quantity of filled oil	60			130			
Condensate drain	RMSA: drain with manual condensate discharge and automatic discharge at zero pressure RA: automatic drain with condensate discharge, independent of pressure and flow rate. Version conveys the draining by inserting the pipe having internal diameter 6 mm in the lower port. SAC: automatic drain with condensate discharge. <b>Operates by depression - requires variable air take-offs.</b> Note: <b>the maximum input pressure for the RA version must not exceed 10 bar</b>						
Recommended oils	ISO and UNI FD22 (Energol HPL; Spinesso; Mobil DTE; Tellus oil)						
Wall fixing screws	No. 2 M4 screws			No. 2 M5 screws			

UNITS  
FR + LUB Syntesi®

**DIMENSIONS**



	SIZE 1			SIZE 2			
	1/8"	1/4"	3/8"	3/8"	1/2"	3/4"	1"
H (threaded port)	1/8"	1/4"	3/8"	3/8"	1/2"	3/4"	1"
A	84			121			
A1	-	-	86	-	-	156	156
B	RMSA 198			246			
	RA/SAC 202			250			
C	44			61			
CH	-			-	-	32	36
D	51.5			70.5			
E	75.3			108			
F	25.8			38.2			
G	Hole for M4 screws			Hole for M5 screws			
I	16			22.5			
L	M30x1.5			M38x2			
M	RMSA 148			178			
	RA/SAC 152			182			
M1 (pressure gauge port)	1/8"			1/4"			
N	RMSA 122.2			139.8			
	RA/SAC 126.2			143.8			
O	RMSA 202			245			
	RA/SAC 206			249			
Q (no. 2 additional air takes-off)	1/8"			1/4"			

**KEY TO CODES**

56	1	1	B	24	L	10	1
SYNTESI	SIZE	THREADED INPUT CONNECTION	ELEMENT	DEGREE OF FILTRATION, TYPE OF CONDENSATE DRAIN AND SETTING RANGE	ELEMENT	OIL FILLING	THREADED OUTPUT CONNECTION
56 Syntesi 5X Syntesi anti-corrosion	1 Size 1	1 1/8" port 2 1/4" port 3 3/8" port	B Filter-regulator	<ul style="list-style-type: none"> <li>● 10 5 µm, RMSA, 0 to 2 bar</li> <li>● 20 20 µm, RMSA, 0 to 2 bar</li> <li>● 30 50 µm, RMSA, 0 to 2 bar</li> <li>● 40 5 µm, RA, 0 to 2 bar</li> <li>● 50 20 µm, RA, 0 to 2 bar</li> <li>● 60 50 µm, RA, 0 to 2 bar</li> <li>● 11 5 µm, SAC, 0 to 2 bar</li> <li>● 21 20 µm, SAC, 0 to 2 bar</li> <li>● 31 50 µm, SAC, 0 to 2 bar</li> </ul>	L Lubricator	10 Manual filling from the top	1 1/8" port 2 1/4" port 3 3/8" port 3 3/8" port 4 1/2" port 5 3/4" port 6 1" port
	2 Size 2	3 3/8" port 4 1/2" port 5 3/4" port 6 1" port					
				<ul style="list-style-type: none"> <li>+ 12 5 µm, RMSA, 0 to 4 bar</li> <li>+ 22 20 µm, RMSA, 0 to 4 bar</li> <li>+ 32 50 µm, RMSA, 0 to 4 bar</li> <li>+ 42 5 µm, RA, 0 to 4 bar</li> <li>+ 52 20 µm, RA, 0 to 4 bar</li> <li>+ 62 50 µm, RA, 0 to 4 bar</li> <li>+ 13 5 µm, SAC, 0 to 4 bar</li> <li>+ 23 20 µm, SAC, 0 to 4 bar</li> <li>+ 33 50 µm, SAC, 0 to 4 bar</li> </ul>			
				<ul style="list-style-type: none"> <li>14 5 µm, RMSA, 0 to 8 bar</li> <li>24 20 µm, RMSA, 0 to 8 bar</li> <li>34 50 µm, RMSA, 0 to 8 bar</li> <li>44 5 µm, RA, 0 to 8 bar</li> <li>54 20 µm, RA, 0 to 8 bar</li> <li>64 50 µm, RA, 0 to 8 bar</li> <li>15 5 µm, SAC, 0 to 8 bar</li> <li>25 20 µm, SAC, 0 to 8 bar</li> <li>35 50 µm, SAC, 0 to 8 bar</li> </ul>			

- Not available in the anti-corrosion version.
- + Anti-corrosion version available only in size 1.

RMSA: drain with manual condensate discharge and automatic discharge at zero pressure  
 RA: automatic drain with condensate discharge, independent of pressure and flow rate. 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 depression – requires variable air take-offs.**

- 16 5 µm, RMSA, 0 to 12 bar
- 26 20 µm, RMSA, 0 to 12 bar
- 36 50 µm, RMSA, 0 to 12 bar
- 46 5 µm, RA, 0 to 12 bar
- 56 20 µm, RA, 0 to 12 bar
- 66 50 µm, RA, 0 to 12 bar
- 17 5 µm, SAC, 0 to 12 bar
- 27 20 µm, SAC, 0 to 12 bar
- 37 50 µm, SAC, 0 to 12 bar



**PURCHASE ORDER CODES HAVING A MORE FREQUENT USE**

N.B. Besides the below mentioned codes, you can order elements composed at your will according to the key to codes.

Code	Description	Code	Description	NOTE
<b>FR + LUB Syntesi® SY1</b>		<b>FR + LUB Syntesi® SY2</b>		<b>Anti-corrosion version</b>
5611B24L101	FR+LUB SY1 1/8 20 08 RMSA	5623B24L103	FR+LUB SY2 3/8 20 08 RMSA	<b>5X</b> -----
5611B54L101	FR+LUB SY1 1/8 20 08 RA	5623B54L103	FR+LUB SY2 3/8 20 08 RA	<b>Example</b>
5612B24L102	FR+LUB SY1 1/4 20 08 RMSA	5624B24L104	FR+LUB SY2 1/2 20 08 RMSA	<b>5X11B54L101</b> FR+LUB SY1 1/8 20 08 RA anti-corrosion
5612B54L102	FR+LUB SY1 1/4 20 08 RA	5624B54L104	FR+LUB SY2 1/2 20 08 RA	
5613B24L103	FR+LUB SY1 3/8 20 08 RMSA	5625B24L105	FR+LUB SY2 3/4 20 08 RMSA	
5613B54L103	FR+LUB SY1 3/8 20 08 RA	5625B54L105	FR+LUB SY2 3/4 20 08 RA	
		5626B24L106	FR+LUB SY2 1 20 08 RMSA	
		5626B54L106	FR+LUB SY2 1 20 08 RA	

**NOTES**

**UNITS**  
FR + LUB Syntesi®