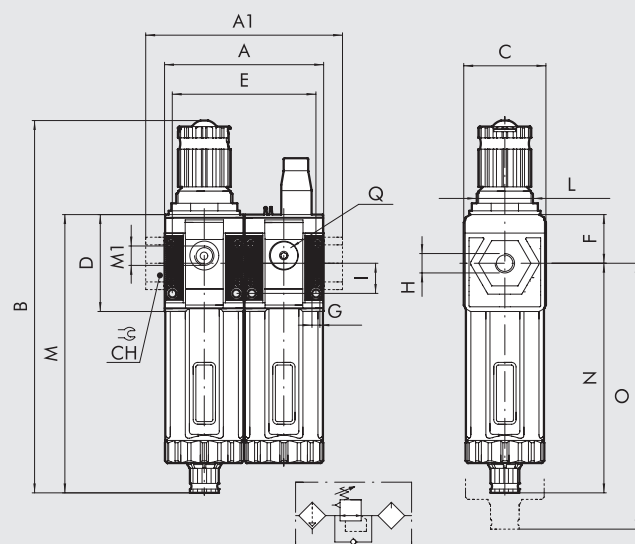


For full details and list of components refer to the sections about filter-regulator and the lubricator.

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DIMENSIONS



	SIZE 1			SIZE 2			
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	1 Size 1	1 1/8" port	B Filter-regulator	● 10 5 µm, RMSA, 0 to 2 bar	L Lubricator	10 Manual filling from the top	1 1/8" port
5X Syntesi anti-corrosion		2 1/4" port		● 20 20 µm, RMSA, 0 to 2 bar			2 1/4" port
		3 3/8" port		● 30 50 µm, RMSA, 0 to 2 bar			3 3/8" port
	2 Size 2	3 3/8" port		● 40 5 µm, RA, 0 to 2 bar			3 3/8" port
		4 1/2" port		● 50 20 µm, RA, 0 to 2 bar			4 1/2" port
		5 3/4" port		● 60 50 µm, RA, 0 to 2 bar			5 3/4" port
		6 1" port		● 11 5 µm, SAC, 0 to 2 bar			6 1" port
				● 21 20 µm, SAC, 0 to 2 bar			
				● 31 50 µm, SAC, 0 to 2 bar			
				+ 12 5 µm, RMSA, 0 to 4 bar			
				+ 22 20 µm, RMSA, 0 to 4 bar			
				+ 32 50 µm, RMSA, 0 to 4 bar			
				+ 42 5 µm, RA, 0 to 4 bar			
				+ 52 20 µm, RA, 0 to 4 bar			
				+ 62 50 µm, RA, 0 to 4 bar			
				+ 13 5 µm, SAC, 0 to 4 bar			
				+ 23 20 µm, SAC, 0 to 4 bar			
				+ 33 50 µm, SAC, 0 to 4 bar			
				14 5 µm, RMSA, 0 to 8 bar			
				24 20 µm, RMSA, 0 to 8 bar			
				34 50 µm, RMSA, 0 to 8 bar			
				44 5 µm, RA, 0 to 8 bar			
				54 20 µm, RA, 0 to 8 bar			
				64 50 µm, RA, 0 to 8 bar			
				15 5 µm, SAC, 0 to 8 bar			
				25 20 µm, SAC, 0 to 8 bar			
				35 50 µm, SAC, 0 to 8 bar			
				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			

● 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.

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
FR + LUB Syntesi[®] SY1		FR + LUB Syntesi[®] SY2		Anti-corrosion version
5611B24L101	FR+LUB SY1 1/8 20 08 RMSA	5623B24L103	FR+LUB SY2 3/8 20 08 RMSA	5X -----
5611B54L101	FR+LUB SY1 1/8 20 08 RA	5623B54L103	FR+LUB SY2 3/8 20 08 RA	Example
5612B24L102	FR+LUB SY1 1/4 20 08 RMSA	5624B24L104	FR+LUB SY2 1/2 20 08 RMSA	5X11B54L101 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

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

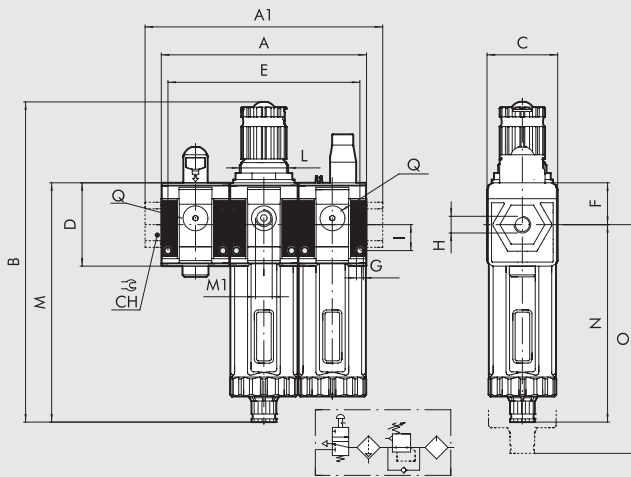


UNITS

V3V + FR + LUB Syntesi®

[illegible]

OVERALL DIMENSIONS



	SIZE 1			SIZE 2			
	1/8"	1/4"	3/8"	3/8"	1/2"	3/4"	1"
H (threaded port)							
A		126			181.5		
A1	-	-	128	-	-	217	217
B							
RMSA		198			246		
RA/SAC		202			250		
C		44			61		
CH		-		-	-	32	36
D		51.5			70.5		
E		117.1			168.5		
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	V	10	B	24	L	10	1
SYNTESI	SIZE	THREADED INPUT CONNECTION	ELEMENT	TYPE	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 2 Size 2	1 1/8" port 2 1/4" port 3 3/8" port 4 1/2" port 5 3/4" port 6 1" port	V V3V	10 Manual with Ø3.5 hole for padlocks 11 Manual with Ø7 hole for padlock	B Filter-regulator	● 10 5 µm, RMSA, 0 to 2 bar ● 20 20 µm, RMSA, 0 to 2 bar ● 30 50 µm, RMSA, 0 to 2 bar ● 40 5 µm, RA, 0 to 2 bar ● 50 20 µm, RA, 0 to 2 bar ● 60 50 µm, RA, 0 to 2 bar ● 11 5 µm, SAC, 0 to 2 bar ● 21 20 µm, SAC, 0 to 2 bar ● 31 50 µm, SAC, 0 to 2 bar + 12 5 µm, RMSA, 0 to 4 bar + 22 20 µm, RMSA, 0 to 4 bar + 32 50 µm, RMSA, 0 to 4 bar + 42 5 µm, RA, 0 to 4 bar + 52 20 µm, RA, 0 to 4 bar + 62 50 µm, RA, 0 to 4 bar + 13 5 µm, SAC, 0 to 4 bar + 23 20 µm, SAC, 0 to 4 bar + 33 50 µm, SAC, 0 to 4 bar 14 5 µm, RMSA, 0 to 8 bar 24 20 µm, RMSA, 0 to 8 bar 34 50 µm, RMSA, 0 to 8 bar 44 5 µm, RA, 0 to 8 bar 54 20 µm, RA, 0 to 8 bar 64 50 µm, RA, 0 to 8 bar 15 5 µm, SAC, 0 to 8 bar 25 20 µm, SAC, 0 to 8 bar 35 50 µm, SAC, 0 to 8 bar 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	L Lubricator	10 Manual filling from the top	1 1/8" port 2 1/4" port 3 3/8" port 4 1/2" port 5 3/4" port 6 1" port

- 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.



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
V3V + FR + LUB Syntesi® SY1		V3V + FR + LUB Syntesi® SY2		Anti-corrosion version
5611V10B24L101	V3V+FR+LUB SY1 1/8 20 08 RMSA	5623V10B24L103	V3V+FR+LUB SY2 3/8 20 08 RMSA	5X _ _ _ _ _
5611V10B54L101	V3V+FR+LUB SY1 1/8 20 08 RA	5623V10B54L103	V3V+FR+LUB SY2 3/8 20 08 RA	Example
5612V10B24L102	V3V+FR+LUB SY1 1/4 20 08 RMSA	5624V10B24L104	V3V+FR+LUB SY2 1/2 20 08 RMSA	5X11V10B54L101 V3V+FR+LUB SY1 1/8 20 08 RA
5612V10B54L102	V3V+FR+LUB SY1 1/4 20 08 RA	5624V10B54L104	V3V+FR+LUB SY2 1/2 20 08 RA	anti-corrosion
5613V10B24L103	V3V+FR+LUB SY1 3/8 20 08 RMSA	5625V10B24L105	V3V+FR+LUB SY2 3/4 20 08 RMSA	
5613V10B54L103	V3V+FR+LUB SY1 3/8 20 08 RA	5625V10B54L105	V3V+FR+LUB SY2 3/4 20 08 RA	
		5626V10B24L106	V3V+FR+LUB SY2 1 20 08 RMSA	
		5626V10B54L106	V3V+FR+LUB SY2 1 20 08 RA	

NOTES

UNITS

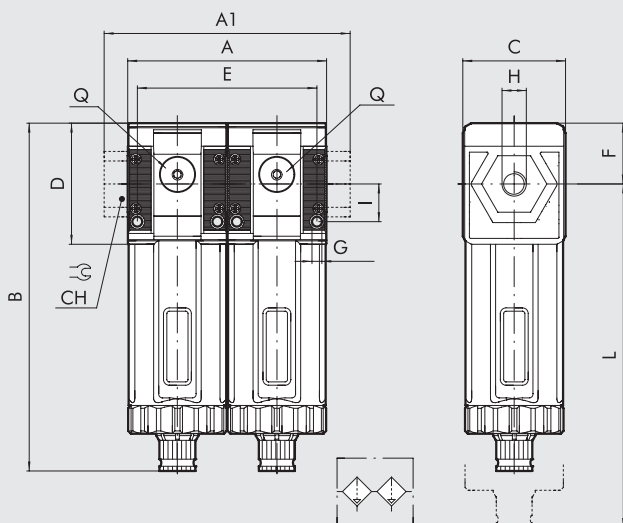
V3V + FR + LUB Syntesi®

For full details and list of components refer to the sections about filter and depurator.



TECHNICAL DATA		FIL + DEP SY1			FIL + DEP SY2			
Threaded port		1/8"	1/4"	3/8"	3/8"	1/2"	3/4"	1"
Purifier degree of filtration	µm	0.01 - output air purity class ISO8573-1: 1.7.2						
Filter degree of filtration	µm	5 (yellow)						
Max. inlet pressure	bar	15			13			
	MPa	1.5			1.3			
	psi	217			188			
Suggested flow rate at 6.3 bar (0.63 MPa; 91 psi)	Nl/min	550			1050			
	scfm	9			37			
Maximum suggested flow rate		Look at the chart on the depurator page C1.12			Look at the chart on the depurator page C1.12 / C1.13			
Min/max temperature at 10 bar; 1 MPa; 145 psi	°C	N.B.: flow rates higher than the recommended value reduces purification efficiency			From -10 to +50			
Weight	g	358	353	344	942	915	911	899
Purifier condensate drain		RMSA: drain with manual condensate discharge and automatic discharge at zero pressure						
Filter 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. Operates by depression – requires variable air take-offs.						
		Note: the maximum input pressure for the RA version must not exceed 10 bar						
Fluid		Compressed air or other inert gases						
Bowl capacity filter/depurator	cm³	30/15			70/40			
Mounting position		Vertical			Vertical			
Port for additional air take-off		1/8", front and rear			1/4", front and rear			
Additional air take-off flow rate (not purified air)	Nl/min	500			1500			
at 6.3 bar (0.63 MPa; 91 psi) ΔP 1 bar (0.1 MPa; 14 psi)	scfm	18			53			
Wall fixing screws		No. 2 M4 screws			No. 2 M5 screws			

DIMENSIONS



	SIZE 1			SIZE 2			
H (threaded port)	1/8"	1/4"	3/8"	3/8"	1/2"	3/4"	1"
A	84			121			
A1	-	-	86	-	-	217	217
B	148			178			
RA/SAC	152			182			
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	202			245			
RA/SAC	206			249			
Q (no. 2 additional air takes-off)	1/8"			1/4"			

KEY TO CODES

56	1	1	F	10	D	10	1
SYNTESI	SIZE	THREADED INPUT CONNECTION	ELEMENT	DEGREE OF FILTRATION AND TYPE OF CONDENSATE DRAIN	ELEMENT	TYPE	THREADED OUTPUT CONNECTION
56 Syntesi 5X Syntesi anti-corrosion	1 Size 1	1 1/8" port	F Filter	10 5 µm, RMSA	D Depurator	10 RMSA 11 SAC	1 1/8" port
	2 Size 2	2 1/4" port		40 5 µm, RA			2 1/4" port
		3 3/8" port		11 5 µm, SAC			3 3/8" port
		3 3/8" port					3 3/8" port
		4 1/2" port					4 1/2" port
		5 3/4" port					5 3/4" port
6 1" port		6 1" port					

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.**

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.

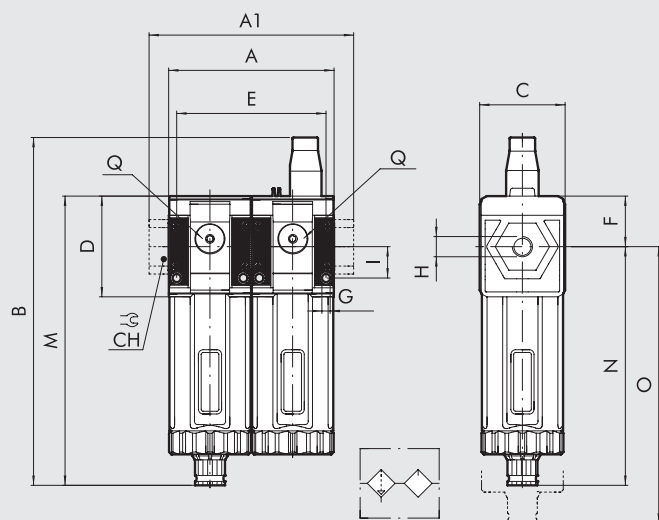
Code	Description	Code	Description	NOTE
FIL + DEP Syntesi® SY1		FIL + DEP Syntesi® SY2		Anti-corrosion version
5611F10D101	FIL+DEP SY1 1/8 05 RMSA	5623F10D103	FIL+DEP SY2 3/8 05 RMSA	5X _____
5611F40D101	FIL+DEP SY1 1/8 05 RA	5623F40D103	FIL+DEP SY2 3/8 05 RA	Example
				5X11F40D101 FIL+DEP SY1 1/8 05 RA anti-corrosion
5612F10D102	FIL+DEP SY1 1/4 05 RMSA	5624F10D104	FIL+DEP SY2 1/2 05 RMSA	
5612F40D102	FIL+DEP SY1 1/4 05 RA	5624F40D104	FIL+DEP SY2 1/2 05 RA	
5613F10D103	FIL+DEP SY1 3/8 05 RMSA	5625F10D105	FIL+DEP SY2 3/4 05 RMSA	
5613F40D103	FIL+DEP SY1 3/8 05 RA	5625F40D105	FIL+DEP SY2 3/4 05 RA	
		5626F10D106	FIL+DEP SY2 1 05 RMSA	
		5626F40D106	FIL+DEP SY2 1 05 RA	

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



TECHNICAL DATA		FIL + LUB SY1			FIL + LUB SY2			
Threaded port		1/8"	1/4"	3/8"	3/8"	1/2"	3/4"	1"
Degree of filtration	µm	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	bar	15			13			
	MPa	1.5			1.3			
	psi	217			188			
Flow rate at 6.3 bar (0.63 MPa; 91 psi) ΔP 0.5 bar (0.05 MPa; 7 psi)	Nl/min	860			2900			
	scfm	30			102.5			
Flow rate at 6.3 bar (0.63 MPa; 91 psi) ΔP 1 bar (0.1 MPa; 14 psi)	Nl/min	1450			4400			
	scfm	51			156			
Min/max temperature at 10 bar; 1 MPa; 145 psi	°C	From -10 to +50			From -10 to +50			
Weight	g	349	344	355	840	813	809	797
Fluid		Compressed air or other inert gases						
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	Nl/min	500 - 450			1500 - 800			
(0.63 MPa; 91 psi) ΔP 1 bar (0.1 MPa; 14 psi)	scfm	18 - 16			53 - 28			
Filter bowl capacity (condensate)	cm³	30			70			
Quantity of filled oil	cm³	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. Operates by depression – requires variable air take-offs. Note: the maximum input pressure for the RA version must not exceed 10 bar						
Recommended oils		ISO and UNI FD22 (Energol HPL; Spinesso; Mobil DTE; Tellus oil)						
Wall fixing screws		No. 2 M4 screws			No. 2 M5 screws			

DIMENSIONS



		SIZE 1			SIZE 2			
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	117.5			208			
	RA/SAC	121.5			212			
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			
M	RMSA	148			178			
	RA/SAC	152			182			
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	F	10	L	10	1
SYNTESI	SIZE	THREADED INPUT CONNECTION	ELEMENT	DEGREE OF FILTRATION AND TYPE OF CONDENSATE DRAIN	ELEMENT	OIL FILLING	THREADED OUTPUT CONNECTION
56 Syntesi	1 Size 1	1 1/8" port	F Filter	10 5 µm, RMSA	L Lubricator	10 Manual filling from the top	1 1/8" port
5X Syntesi anti-corrosion	2 Size 2	2 1/4" port		20 20 µm, RMSA			2 1/4" port
		3 3/8" port		30 50 µm, RMSA			3 3/8" port
		3 3/8" port		40 5 µm, RA			3 3/8" port
		4 1/2" port		50 20 µm, RA			4 1/2" port
		5 3/4" port		60 50 µm, RA			5 3/4" port
		6 1" port		11 5 µm, SAC			6 1" port
				21 20 µm, SAC			
				31 50 µm, SAC			

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.**

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
FIL + LUB Syntesi® SY1		FIL + LUB Syntesi® SY2		Anti-corrosion version
5611F20L101	FIL+LUB SY1 1/8 20 RMSA	5623F20L103	FIL+LUB SY2 3/8 20 RMSA	5X_ _ _ _ _
5611F50L101	FIL+LUB SY1 1/8 20 RA	5623F50L103	FIL+LUB SY2 3/8 20 RA	Example
				5X11F50L101 FIL+LUB SY1 1/8 20 RA anti-corrosion
5612F20L102	FIL+LUB SY1 1/4 20 RMSA	5624F20L104	FIL+LUB SY2 1/2 20 RMSA	
5612F50L102	FIL+LUB SY1 1/4 20 RA	5624F50L104	FIL+LUB SY2 1/2 20 RA	
5613F20L103	FIL+LUB SY1 3/8 20 RMSA	5625F20L105	FIL+LUB SY2 3/4 20 RMSA	
5613F50L103	FIL+LUB SY1 3/8 20 RA	5625F50L105	FIL+LUB SY2 3/4 20 RA	
		5626F20L106	FIL+LUB SY2 1 20 RMSA	
		5626F50L106	FIL+LUB SY2 1 20 RA	