

INDUSTRIAL PNEUMATICS - air treatment units

SYNTESI series



FR filter - regulator

Size: SY1, SY2
Outlet press. range: 0÷2, 0÷4, 0÷8, 0÷12 bar
Degree of filtration: 5 µm, 20 µm, 50 µm
Inlet press: Up to 15 bar
Working temp.: Up to +50°C
Connection: BSP 1/8" ÷ 3/8" female thread for SY1
 BSP 3/8" ÷ 1" female thread for SY2
Pressure gauge port: BSP 1/8" female thread for SY1
 BSP 1/4" female thread for SY2
Flow rate: 1300 l/min - 1/8"
 2000 l/min - 1/4"
 3000 l/min - 3/8" (SY1)
 5800 l/min - 3/8" (SY2)
 7200 l/min - 1/2"
 7400 l/min - 3/4", 1"
 (input pressure 6 bar and Δp = 1 bar)

Filter-regulator combines the functions of filtration and pressure regulation in a single unit. It is made up of the same elements forming the filter and the regulator so technical parameters are the same.

FR	SY1	5	012	RMSA
element	size	degree of filtration	outlet pressure range	condensate drain
FR filter - regulator	SY1 SY2	5 - 5 µm 20 - 20 µm 50 - 50 µm	02* - 0÷2 bar 04* - 0÷4 bar 08 - 0÷8 bar 012 - 0÷12 bar * - option	RMSA - manual / semi-automatic RA - automatic, float type

The elements of SYNTESI system can be easily used to build FRL unit according to customer specifications. The connection set and bushings facilitate assembly.

code	type	connection	outlet pressure range [bar]	degree of filtration [µm]	condensate drain
MW-5610B140	FR SY1 5 08 RMSA	without bushing	0 ÷ 8	5	RMSA
MW-5610B440	FR SY1 5 08 RA				RA
MW-5610B240	FR SY1 20 08 RMSA			20	RMSA
MW-5610B540	FR SY1 20 08 RA				RA
MW-5610B340	FR SY1 50 08 RMSA			50	RMSA
MW-5610B640	FR SY1 50 08 RA				RA
MW-5610B160	FR SY1 5 012 RMSA		0 ÷ 12	5	RMSA
MW-5610B460	FR SY1 5 012 RA				RA
MW-5610B260	FR SY1 20 012 RMSA			20	RMSA
MW-5610B560	FR SY1 20 012 RA				RA
MW-5610B360	FR SY1 50 012 RMSA			50	RMSA
MW-5610B660	FR SY1 50 012 RA				RA
MW-5620B140	FR SY2 5 08 RMSA	without bushing	0 ÷ 8	5	RMSA
MW-5620B440	FR SY2 5 08 RA				RA
MW-5620B240	FR SY2 20 08 RMSA			20	RMSA
MW-5620B540	FR SY2 20 08 RA				RA
MW-5620B340	FR SY2 50 08 RMSA			50	RMSA
MW-5620B640	FR SY2 50 08 RA				RA
MW-5620B160	FR SY2 5 012 RMSA		0 ÷ 12	5	RMSA
MW-5620B460	FR SY2 5 012 RA				RA
MW-5620B260	FR SY2 20 012 RMSA			20	RMSA
MW-5620B560	FR SY2 20 012 RA				RA
MW-5620B360	FR SY2 50 012 RMSA			50	RMSA
MW-5620B660	FR SY2 50 012 RA				RA