



SCR-J series high-efficiency filter from SCR

Technical parameter table

SHANGHAI SCREW COMPRESSOR CO., LTD.

Part number: 90888908

Edition : A

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SCR-J005

Specifications and models		SCR-J005C	SCR-J005T	SCR-J005A	SCR-J005H	SCR-J005F
Flow rate	m³/min	0.7	0.7	0.7	0.7	0.7
Air inlet pressure	MPa	1.6	1.6	1.6	1.6	1.6
Air inlet temperature	℃	<80	<80	<80	<80	<80
Oil content	ppm	≤3	≤1	≤0.01	/	/
Impurity particle size	μm	≤3	≤1	≤0.01	≤0.01	≤0.1
Filter element service life ^[3]	h	6000-8000	6000-8000	6000-8000	6000-8000	6000-8000
Initial pressure difference	bar	0.02	0.06	0.07	0.04	0.17
Max. operating pressure	MPa	1.6				
Max. air inlet temperature	℃	80				
Dimension(H*W)	mm	169*76.5				
connection size		Rc1/2				
Filter components and parts						
Filter element	Model × Quantity	SCR-J005C *1	SCR-J005T *1	SCR-J005A *1	SCR-J005H *1	SCR-J005F *1
Drain valve	/	Hand valve + Zero gas consumption drain				
Differential pressure gauge	/	Directly connected differential pressure gauge				
Filter element material	/	Glass fiber				
Housing material	/	Die-cast aluminum				
Notes:						
1、 The recommended differential pressure for filter element replacement shall be observed. If excessive differential pressure affects the normal operation of the machine, the user may reduce the required replacement pressure value according to on-site needs, but the service life and replacement cycle of the corresponding filter element will be shortened.						
2、 The service life of the filter element is the theoretical life under normal working conditions. The quality of the air in on-site use will directly affect the service life of the filter element, leading to its extension or shortening. Within the theoretical life, our company will not replace the filter element if the shortened service life is not caused by quality issues of the filter element itself.						
3、 In the laser cutting industry, the service life of the filter element under normal working conditions is 4,000 hours. In other industries, it is 6,000-8,000 hours under normal working conditions.						



SCR-J010

Specifications and models		SCR-J010C	SCR-J010T	SCR-J010A	SCR-J010H	SCR-J010F
Flow rate	m³/min	1.2	1.2	1.2	1.2	1.2
Air inlet pressure	MPa	1.6	1.6	1.6	1.6	1.6
Air inlet temperature	℃	<80	<80	<80	<80	<80
Oil content	ppm	≤3	≤1	≤0.01	/	/
Impurity particle size	μm	≤3	≤1	≤0.01	≤0.01	≤0.1
Filter element service life ^[3]	h	6000-8000	6000-8000	6000-8000	6000-8000	6000-8000
Initial pressure difference	bar	0.02	0.06	0.07	0.04	0.17
Max. operating pressure	MPa	1.6				
Max. air inlet temperature	℃	80				
Dimension(H*W)	mm	238*95				
connection size		Rc3/4				
Filter components and parts						
Filter element	Model × Quantity	SCR-J010C *1	SCR-J010T *1	SCR-J010A *1	SCR-J010H *1	SCR-J010F *1
Drain valve	/	Hand valve + Zero gas consumption drain				
Differential pressure gauge	/	Directly connected differential pressure gauge				
Filter element material	/	Glass fiber				
Housing material	/	Die-cast aluminum				
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SCR-J020

Specifications and models		SCR-J020C	SCR-J020T	SCR-J020A	SCR-J020H	SCR-J020F
Flow rate	m³/min	2.3	2.3	2.3	2.3	2.3
Air inlet pressure	MPa	1.6	1.6	1.6	1.6	1.6
Air inlet temperature	℃	<80	<80	<80	<80	<80
Oil content	ppm	≤3	≤1	≤0.01	/	/
Impurity particle size	μm	≤3	≤1	≤0.01	≤0.01	≤0.1
Filter element service life ^[3]	h	6000-8000	6000-8000	6000-8000	6000-8000	6000-8000
Initial pressure difference	bar	0.02	0.06	0.07	0.04	0.17
Max. operating pressure	MPa	1.6				
Max. air inlet temperature	℃	80				
Dimension(H*W)	mm	277*95				
connection size		Rc1				
Filter components and parts						
Filter element	Model × Quantity	SCR-J020C *1	SCR-J020T *1	SCR-J020A *1	SCR-J020H *1	SCR-J020F *1
Drain valve	/	Hand valve + Zero gas consumption drain				
Differential pressure gauge	/	Directly connected differential pressure gauge				
Filter element material	/	Glass fiber				
Housing material	/	Die-cast aluminum				
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SCR-J030

Specifications and models		SCR-J030C	SCR-J030T	SCR-J030A	SCR-J030H	SCR-J030F
Flow rate	m³/min	3.5	3.5	3.5	3.5	3.5
Air inlet pressure	MPa	1.6	1.6	1.6	1.6	1.6
Air inlet temperature	℃	<80	<80	<80	<80	<80
Oil content	ppm	≤3	≤1	≤0.01	/	/
Impurity particle size	μm	≤3	≤1	≤0.01	≤0.01	≤0.1
Filter element service life ^[3]	h	6000-8000	6000-8000	6000-8000	6000-8000	6000-8000
Initial pressure difference	bar	0.02	0.06	0.07	0.04	0.17
Max. operating pressure	MPa	1.6				
Max. air inlet temperature	℃	80				
Dimension(H*W)	mm	307*123.5				
connection size		Rc1				
Filter components and parts						
Filter element	Model × Quantity	SCR-J030C *1	SCR-J030T *1	SCR-J030A *1	SCR-J030H *1	SCR-J030F *1
Drain valve	/	Hand valve + Zero gas consumption drain				
Differential pressure gauge	/	Directly connected differential pressure gauge				
Filter element material	/	Glass fiber				
Housing material	/	Die-cast aluminum				
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SCR-J050

Specifications and models		SCR-J050C	SCR-J050T	SCR-J050A	SCR-J050H	SCR-J050F
Flow rate	m³/min	5.7	5.7	5.7	5.7	5.7
Air inlet pressure	MPa	1.6	1.6	1.6	1.6	1.6
Air inlet temperature	℃	<80	<80	<80	<80	<80
Oil content	ppm	≤3	≤1	≤0.01	/	/
Impurity particle size	μm	≤3	≤1	≤0.01	≤0.01	≤0.1
Filter element service life ^[3]	h	6000-8000	6000-8000	6000-8000	6000-8000	6000-8000
Initial pressure difference	bar	0.02	0.06	0.07	0.04	0.17
Max. operating pressure	MPa	1.6				
Max. air inlet temperature	℃	80				
Dimension(H*W)	mm	424*123.5				
connection size		Rc1-1/2				
Filter components and parts						
Filter element	Model × Quantity	SCR-J050C *1	SCR-J050T *1	SCR-J050A *1	SCR-J050H *1	SCR-J050F *1
Drain valve	/	Hand valve + Zero gas consumption drain				
Differential pressure gauge	/	Directly connected differential pressure gauge				
Filter element material	/	Glass fiber				
Housing material	/	Die-cast aluminum				
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SCR-J070

Specifications and models		SCR-J070C	SCR-J070T	SCR-J070A	SCR-J070H	SCR-J070F
Flow rate	m³/min	7.8	7.8	7.8	7.8	7.8
Air inlet pressure	MPa	1.6	1.6	1.6	1.6	1.6
Air inlet temperature	℃	<80	<80	<80	<80	<80
Oil content	ppm	≤3	≤1	≤0.01	/	/
Impurity particle size	μm	≤3	≤1	≤0.01	≤0.01	≤0.1
Filter element service life ^[3]	h	6000-8000	6000-8000	6000-8000	6000-8000	6000-8000
Initial pressure difference	bar	0.02	0.06	0.07	0.04	0.17
Max. operating pressure	MPa	1.6				
Max. air inlet temperature	℃	80				
Dimension(H*W)	mm	424*123.5				
connection size		Rc1-1/2				
Filter components and parts						
Filter element	Model × Quantity	SCR-J070C *1	SCR-J070T *1	SCR-J070A *1	SCR-J070H *1	SCR-J070F *1
Drain valve	/	Hand valve + Zero gas consumption drain				
Differential pressure gauge	/	Directly connected differential pressure gauge				
Filter element material	/	Glass fiber				
Housing material	/	Die-cast aluminum				
Notes:						
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SCR-J110

Specifications and models		SCR-J110C	SCR-J110T	SCR-J110A	SCR-J110H	SCR-J110F
Flow rate	m³/min	11.6	11.6	11.6	11.6	11.6
Air inlet pressure	MPa	1.6	1.6	1.6	1.6	1.6
Air inlet temperature	℃	<80	<80	<80	<80	<80
Oil content	ppm	≤3	≤1	≤0.01	/	/
Impurity particle size	μm	≤3	≤1	≤0.01	≤0.01	≤0.1
Filter element service life ^[3]	h	6000-8000	6000-8000	6000-8000	6000-8000	6000-8000
Initial pressure difference	bar	0.02	0.06	0.07	0.04	0.17
Max. operating pressure	MPa	1.6				
Max. air inlet temperature	℃	80				
Dimension(H*W)	mm	550*170				
connection size		Rc2				
Filter components and parts						
Filter element	Model × Quantity	SCR-J110C *1	SCR-J110T *1	SCR-J110A *1	SCR-J110H *1	SCR-J110F* 1
Drain valve	/	Hand valve + Zero gas consumption drain				
Differential pressure gauge	/	Directly connected differential pressure gauge				
Filter element material	/	Glass fiber				
Housing material	/	Die-cast aluminum				
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SCR-J150

Specifications and models		SCR-J150C	SCR-J150T	SCR-J150A	SCR-J150H	SCR-J150F
Flow rate	m³/min	15.5	15.5	15.5	15.5	15.5
Air inlet pressure	MPa	1.6	1.6	1.6	1.6	1.6
Air inlet temperature	℃	<80	<80	<80	<80	<80
Oil content	ppm	≤3	≤1	≤0.01	/	/
Impurity particle size	μm	≤3	≤1	≤0.01	≤0.01	≤0.1
Filter element service life ^[3]	h	6000-8000	6000-8000	6000-8000	6000-8000	6000-8000
Initial pressure difference	bar	0.02	0.06	0.07	0.04	0.17
Max. operating pressure	MPa	1.6				
Max. air inlet temperature	℃	80				
Dimension(H*W)	mm	550*170				
connection size		Rc2				
Filter components and parts						
Filter element	Model × Quantity	SCR-J150C *1	SCR-J150T *1	SCR-J150A *1	SCR-J150H *1	SCR-J150F *1
Drain valve	/	Hand valve + Zero gas consumption drain				
Differential pressure gauge	/	Directly connected differential pressure gauge				
Filter element material	/	Glass fiber				
Housing material	/	Die-cast aluminum				
Notes:						
1、 The recommended differential pressure for filter element replacement shall be observed. If excessive differential pressure affects the normal operation of the machine, the user may reduce the required replacement pressure value according to on-site needs, but the service life and replacement cycle of the corresponding filter element will be shortened.						
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SCR-J200

Specifications and models		SCR-J200C	SCR-J200T	SCR-J200A	SCR-J200H	SCR-J200F
Flow rate	m³/min	20.8	20.8	20.8	20.8	20.8
Air inlet pressure	MPa	1.6	1.6	1.6	1.6	1.6
Air inlet temperature	℃	<80	<80	<80	<80	<80
Oil content	ppm	≤3	≤1	≤0.01	/	/
Impurity particle size	μm	≤3	≤1	≤0.01	≤0.01	≤0.1
Filter element service life ^[3]	h	6000-8000	6000-8000	6000-8000	6000-8000	6000-8000
Initial pressure difference	bar	0.02	0.06	0.07	0.04	0.17
Max. operating pressure	MPa	1.6				
Max. air inlet temperature	℃	80				
Dimension(H*W)	mm	650*205				
connection size		Rc2-1/2				
Filter components and parts						
Filter element	Model × Quantity	SCR-J200C *1	SCR-J200T *1	SCR-J200A *1	SCR-J200H *1	SCR-J200F *1
Drain valve	/	Hand valve + Zero gas consumption drain				
Differential pressure gauge	/	Directly connected differential pressure gauge				
Filter element material	/	Glass fiber				
Housing material	/	Die-cast aluminum				
Notes:						
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SCR-J250

Specifications and models		SCR-J250C	SCR-J250T	SCR-J250A	SCR-J250H	SCR-J250F
Flow rate	m³/min	25.3	25.3	25.3	25.3	25.3
Air inlet pressure	MPa	1.6	1.6	1.6	1.6	1.6
Air inlet temperature	℃	<80	<80	<80	<80	<80
Oil content	ppm	≤3	≤1	≤0.01	/	/
Impurity particle size	μm	≤3	≤1	≤0.01	≤0.01	≤0.1
Filter element service life ^[3]	h	6000-8000	6000-8000	6000-8000	6000-8000	6000-8000
Initial pressure difference	bar	0.02	0.06	0.07	0.04	0.17
Max. operating pressure	MPa	1.6				
Max. air inlet temperature	℃	80				
Dimension(H*W)	mm	650*205				
connection size		Rc2-1/2				
Filter components and parts						
Filter element	Model × Quantity	SCR-J250C *1	SCR-J250T *1	SCR-J250A *1	SCR-J250H *1	SCR-J250F *1
Drain valve	/	Hand valve + Zero gas consumption drain				
Differential pressure gauge	/	Directly connected differential pressure gauge				
Filter element material	/	Glass fiber				
Housing material	/	Die-cast aluminum				
Notes:						
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SCR-J300

Specifications and models		SCR-J300C	SCR-J300T	SCR-J300A	SCR-J300H	SCR-J300F
Flow rate	m³/min	30.8	30.8	30.8	30.8	30.8
Air inlet pressure	MPa	1.6	1.6	1.6	1.6	1.6
Air inlet temperature	℃	<80	<80	<80	<80	<80
Oil content	ppm	≤3	≤1	≤0.01	/	/
Impurity particle size	μm	≤3	≤1	≤0.01	≤0.01	≤0.1
Filter element service life ^[3]	h	6000-8000	6000-8000	6000-8000	6000-8000	6000-8000
Initial pressure difference	bar	0.02	0.06	0.07	0.04	0.17
Max. operating pressure	MPa	1.6				
Max. air inlet temperature	℃	80				
Dimension(H*W)	mm	805*205				
connection size		Rc3				
Filter components and parts						
Filter element	Model × Quantity	SCR-J300C *1	SCR-J300T *1	SCR-J300A *1	SCR-J300H *1	SCR-J300F *1
Drain valve	/	Hand valve + Zero gas consumption drain				
Differential pressure gauge	/	Directly connected differential pressure gauge				
Filter element material	/	Glass fiber				
Housing material	/	Die-cast aluminum				
Notes:						
1、 The recommended differential pressure for filter element replacement shall be observed. If excessive differential pressure affects the normal operation of the machine, the user may reduce the required replacement pressure value according to on-site needs, but the service life and replacement cycle of the corresponding filter element will be shortened.						
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SCR-J400

Specifications and models		SCR-J400C	SCR-J400T	SCR-J400A	SCR-J400H	SCR-J400F
Flow rate	m³/min	40.5	40.5	40.5	40.5	40.5
Air inlet pressure	MPa	1.6	1.6	1.6	1.6	1.6
Air inlet temperature	℃	<80	<80	<80	<80	<80
Oil content	ppm	≤3	≤1	≤0.01	/	/
Impurity particle size	μm	≤3	≤1	≤0.01	≤0.01	≤0.1
Filter element service life ^[3]	h	6000-8000	6000-8000	6000-8000	6000-8000	6000-8000
Initial pressure difference	bar	0.02	0.06	0.07	0.04	0.17
Max. operating pressure	MPa	1.6				
Max. air inlet temperature	℃	80				
Dimension(H*W)	mm	828*210				
connection size		Rc4				
Filter components and parts						
Filter element	Model × Quantity	SCR-J400C *1	SCR-J400T *1	SCR-J400A *1	SCR-J400H *1	SCR-J400F *1
Drain valve	/	Hand valve + Zero gas consumption drain				
Differential pressure gauge	/	Directly connected differential pressure gauge				
Filter element material	/	Glass fiber				
Housing material	/	Die-cast aluminum				
Notes:						
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