



SCR-Y series high-efficiency filter from SCR

Technical parameter table

SHANGHAI SCREW COMPRESSOR CO., LTD.

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TABLE OF CONTENTS

Specifications and models	Max Flow rates (m ³ /min)	Inlet/Outlet	Page
SCR-Y020	15-20	DN65	3
SCR-Y025	25	DN80	4
SCR-Y030	30	DN80	5
SCR-Y040	40	DN100	6
SCR-Y050	50	DN100	7
SCR-Y060	60	DN125	8
SCR-Y080	80	DN125	9
SCR-Y100	100	DN150	10
SCR-Y120	120	DN150	11
SCR-Y140	140	DN200	12
SCR-Y160	160	DN200	13
SCR-Y180	180	DN200	14
SCR-Y200	200	DN200	15
SCR-Y260	260	DN250	16
SCR-Y300	320	DN250	17

SCR-Y020

Specifications and models		SCR-Y020C	SCR-Y020T	SCR-Y020A	SCR-Y020H	SCR-Y020F
Flow rate	m³/min	15-20	15-20	15-20	15-20	15-20
Air inlet pressure	MPa	1.0	1.0	1.0	1.0	1.0
Air inlet temperature	℃	<80	<80	<80	<80	<80
Oil content	ppm	≤3	≤1	≤0.01	≤0.003	/
Impurity particle size	μm	≤3	≤1	≤0.01	≤0.01	≤0.1
Filter element service life	h	6000	6000	6000	6000	6000
Initial pressure difference	bar	0.02	0.06	0.07	0.04	0.17
Max. operating pressure	MPa	1.0				
Max. air inlet temperature	℃	80				
Dimension(H*W)	mm	950*353				
connection size		DN65				
Diameter	mm	133				
Filter components and parts						
Filter element	Model × Quantity	SCR-Y020C *1	SCR-Y020T *1	SCR-Y020A *1	SCR-Y020H *1	SCR-Y020F *1
Drain valve	/	Hand valve + Zero gas consumption drain				
Differential pressure gauge	/	Differential pressure gauge				
Filter element material	/	Glass fiber				
Housing material	/	Carbon steel				
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.						



SCR-Y025

Specifications and models		SCR-Y025C	SCR-Y025T	SCR-Y025A	SCR-Y025H	SCR-Y025F
Flow rate	m³/min	25	25	25	25	25
Air inlet pressure	MPa	1.0	1.0	1.0	1.0	1.0
Air inlet temperature	℃	<80	<80	<80	<80	<80
Oil content	ppm	≤3	≤1	≤0.01	≤0.003	/
Impurity particle size	μm	≤3	≤1	≤0.01	≤0.01	≤0.1
Filter element service life	h	6000	6000	6000	6000	6000
Initial pressure difference	bar	0.02	0.06	0.07	0.04	0.17
Max. operating pressure	MPa	1.0				
Max. air inlet temperature	℃	80				
Dimension(H*W)	mm	1110*353				
connection size		DN80				
Diameter	mm	133				
Filter components and parts						
Filter element	Model × Quantity	SCR-Y025C *1	SCR-Y025T *1	SCR-Y025A *1	SCR-Y025H *1	SCR-Y025F *1
Drain valve	/	Hand valve + Zero gas consumption drain				
Differential pressure gauge	/	Differential pressure gauge				
Filter element material	/	Glass fiber				
Housing material	/	Carbon steel				
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.						

SCR-Y030

Specifications and models		SCR-Y030C	SCR-Y030T	SCR-Y030A	SCR-Y030H	SCR-Y030F
Flow rate	m³/min	30	30	30	30	30
Air inlet pressure	MPa	1.0	1.0	1.0	1.0	1.0
Air inlet temperature	℃	<80	<80	<80	<80	<80
Oil content	ppm	≤3	≤1	≤0.01	≤0.003	/
Impurity particle size	μm	≤3	≤1	≤0.01	≤0.01	≤0.1
Filter element service life	h	6000	6000	6000	6000	6000
Initial pressure difference	bar	0.02	0.06	0.07	0.04	0.17
Max. operating pressure	MPa	1.0				
Max. air inlet temperature	℃	80				
Dimension(H*W)	mm	980*430				
connection size		DN80				
Diameter	mm	245				
Filter components and parts						
Filter element	Model × Quantity	SCR-Y030C *2	SCR-Y030T *2	SCR-Y030A *2	SCR-Y030H *2	SCR-Y030F *2
Drain valve	/	Hand valve + Zero gas consumption drain				
Differential pressure gauge	/	Differential pressure gauge				
Filter element material	/	Glass fiber				
Housing material	/	Carbon steel				
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.						

SCR-Y040

Specifications and models		SCR-Y040C	SCR-Y040T	SCR-Y040A	SCR-Y040H	SCR-Y040F
Flow rate	m³/min	40	40	40	40	40
Air inlet pressure	MPa	1.0	1.0	1.0	1.0	1.0
Air inlet temperature	℃	<80	<80	<80	<80	<80
Oil content	ppm	≤3	≤1	≤0.01	≤0.003	/
Impurity particle size	μm	≤3	≤1	≤0.01	≤0.01	≤0.1
Filter element service life	h	6000	6000	6000	6000	6000
Initial pressure difference	bar	0.02	0.06	0.07	0.04	0.17
Max. operating pressure	MPa	1.0				
Max. air inlet temperature	℃	80				
Dimension(H*W)	mm	1120*465				
connection size		DN100				
Diameter	mm	245				
Filter components and parts						
Filter element	Model × Quantity	SCR-Y040C *2	SCR-Y040T *2	SCR-Y040A *2	SCR-Y040H *2	SCR-Y040F *2
Drain valve	/	Hand valve + Zero gas consumption drain				
Differential pressure gauge	/	Differential pressure gauge				
Filter element material	/	Glass fiber				
Housing material	/	Carbon steel				
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-Y050

Specifications and models		SCR-Y050C	SCR-Y050T	SCR-Y050A	SCR-Y050H	SCR-Y050F
Flow rate	m³/min	50	50	50	50	50
Air inlet pressure	MPa	1.0	1.0	1.0	1.0	1.0
Air inlet temperature	℃	<80	<80	<80	<80	<80
Oil content	ppm	≤3	≤1	≤0.01	≤0.003	/
Impurity particle size	μm	≤3	≤1	≤0.01	≤0.01	≤0.1
Filter element service life	h	6000	6000	6000	6000	6000
Initial pressure difference	bar	0.02	0.06	0.07	0.04	0.17
Max. operating pressure	MPa	1.0				
Max. air inlet temperature	℃	80				
Dimension(H*W)	mm	1166*500				
connection size		DN100				
Diameter	mm	273				
Filter components and parts						
Filter element	Model × Quantity	SCR-Y050C *3	SCR-Y050T *3	SCR-Y050A *3	SCR-Y050H *3	SCR-Y050F *3
Drain valve	/	Hand valve + Zero gas consumption drain				
Differential pressure gauge	/	Differential pressure gauge				
Filter element material	/	Glass fiber				
Housing material	/	Carbon steel				
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-Y060

Specifications and models		SCR-Y060C	SCR-Y060T	SCR-Y060A	SCR-Y060H	SCR-Y060F
Flow rate	m³/min	60	60	60	60	60
Air inlet pressure	MPa	1.0	1.0	1.0	1.0	1.0
Air inlet temperature	℃	<80	<80	<80	<80	<80
Oil content	ppm	≤3	≤1	≤0.01	≤0.003	/
Impurity particle size	μm	≤3	≤1	≤0.01	≤0.01	≤0.1
Filter element service life	h	6000	6000	6000	6000	6000
Initial pressure difference	bar	0.02	0.06	0.07	0.04	0.17
Max. operating pressure	MPa	1.0				
Max. air inlet temperature	℃	80				
Dimension(H*W)	mm	1166*500				
connection size		DN125				
Diameter	mm	273				
Filter components and parts						
Filter element	Model × Quantity	SCR-Y060C *3	SCR-Y060T *3	SCR-Y060A *3	SCR-Y060H *3	SCR-Y060F *3
Drain valve	/	Hand valve + Zero gas consumption drain				
Differential pressure gauge	/	Differential pressure gauge				
Filter element material	/	Glass fiber				
Housing material	/	Carbon steel				
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.						

SCR-Y080

Specifications and models		SCR-Y080C	SCR-Y080T	SCR-Y080A	SCR-Y080H	SCR-Y080F
Flow rate	m³/min	80	80	80	80	80
Air inlet pressure	MPa	1.0	1.0	1.0	1.0	1.0
Air inlet temperature	℃	<80	<80	<80	<80	<80
Oil content	ppm	≤3	≤1	≤0.01	≤0.003	/
Impurity particle size	μm	≤3	≤1	≤0.01	≤0.01	≤0.1
Filter element service life	h	6000	6000	6000	6000	6000
Initial pressure difference	bar	0.02	0.06	0.07	0.04	0.17
Max. operating pressure	MPa	1.0				
Max. air inlet temperature	℃	80				
Dimension(H*W)	mm	1250*565				
connection size		DN125				
Diameter	mm	325				
Filter components and parts						
Filter element	Model × Quantity	SCR-Y080C *4	SCR-Y080T *4	SCR-Y080A *4	SCR-Y080H *4	SCR-Y080F *4
Drain valve	/	Hand valve + Zero gas consumption drain				
Differential pressure gauge	/	Differential pressure gauge				
Filter element material	/	Glass fiber				
Housing material	/	Carbon steel				
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-Y100

Specifications and models		SCR-Y100C	SCR-Y100T	SCR-Y100A	SCR-Y100H	SCR-Y100F
Flow rate	m³/min	100	100	100	100	100
Air inlet pressure	MPa	1.0	1.0	1.0	1.0	1.0
Air inlet temperature	℃	<80	<80	<80	<80	<80
Oil content	ppm	≤3	≤1	≤0.01	≤0.003	/
Impurity particle size	μm	≤3	≤1	≤0.01	≤0.01	≤0.1
Filter element service life	h	6000	6000	6000	6000	6000
Initial pressure difference	bar	0.02	0.06	0.07	0.04	0.17
Max. operating pressure	MPa	1.0				
Max. air inlet temperature	℃	80				
Dimension(H*W)	mm	1268*617				
connection size		DN150				
Diameter	mm	377				
Filter components and parts						
Filter element	Model × Quantity	SCR-Y100C *5	SCR-Y100T *5	SCR-Y100A *5	SCR-Y100H *5	SCR-Y100F *5
Drain valve	/	Hand valve + Zero gas consumption drain				
Differential pressure gauge	/	Differential pressure gauge				
Filter element material	/	Glass fiber				
Housing material	/	Carbon steel				
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-Y120

Specifications and models		SCR-Y120C	SCR-Y120T	SCR-Y120A	SCR-Y120H	SCR-Y120F
Flow rate	m³/min	120	120	120	120	120
Air inlet pressure	MPa	1.0	1.0	1.0	1.0	1.0
Air inlet temperature	℃	<80	<80	<80	<80	<80
Oil content	ppm	≤3	≤1	≤0.01	≤0.003	/
Impurity particle size	μm	≤3	≤1	≤0.01	≤0.01	≤0.1
Filter element service life	h	6000	6000	6000	6000	6000
Initial pressure difference	bar	0.02	0.06	0.07	0.04	0.17
Max. operating pressure	MPa	1.0				
Max. air inlet temperature	℃	80				
Dimension(H*W)	mm	1304*726				
connection size		DN150				
Diameter	mm	426				
Filter components and parts						
Filter element	Model × Quantity	SCR-Y120C *6	SCR-Y120T *6	SCR-Y120A *6	SCR-Y120H *6	SCR-Y120F *6
Drain valve	/	Hand valve + Zero gas consumption drain				
Differential pressure gauge	/	Differential pressure gauge				
Filter element material	/	Glass fiber				
Housing material	/	Carbon steel				
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.						



SCR-Y140

Specifications and models		SCR-Y140C	SCR-Y140T	SCR-Y140A	SCR-Y140H	SCR-Y140F
Flow rate	m³/min	140	140	140	140	140
Air inlet pressure	MPa	1.0	1.0	1.0	1.0	1.0
Air inlet temperature	℃	<80	<80	<80	<80	<80
Oil content	ppm	≤3	≤1	≤0.01	≤0.003	/
Impurity particle size	μm	≤3	≤1	≤0.01	≤0.01	≤0.1
Filter element service life	h	6000	6000	6000	6000	6000
Initial pressure difference	bar	0.02	0.06	0.07	0.04	0.17
Max. operating pressure	MPa	1.0				
Max. air inlet temperature	℃	80				
Dimension(H*W)	mm	1390*780				
connection size		DN200				
Diameter	mm	480				
Filter components and parts						
Filter element	Model × Quantity	SCR-Y140C *7	SCR-Y140T *7	SCR-Y140A *7	SCR-Y140H *7	SCR-Y140F *7
Drain valve	/	Hand valve + Zero gas consumption drain				
Differential pressure gauge	/	Differential pressure gauge				
Filter element material	/	Glass fiber				
Housing material	/	Carbon steel				
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-Y160

Specifications and models		SCR-Y160C	SCR-Y160T	SCR-Y160A	SCR-Y160H	SCR-Y160F
Flow rate	m ³ /min	160	160	160	160	160
Air inlet pressure	MPa	1.0	1.0	1.0	1.0	1.0
Air inlet temperature	°C	<80	<80	<80	<80	<80
Oil content	ppm	≤3	≤1	≤0.01	≤0.003	/
Impurity particle size	μm	≤3	≤1	≤0.01	≤0.01	≤0.1
Filter element service life	h	6000	6000	6000	6000	6000
Initial pressure difference	bar	0.02	0.06	0.07	0.04	0.17
Max. operating pressure	MPa	1.0				
Max. air inlet temperature	°C	80				
Dimension(H*W)	mm	1420*800				
connection size		DN200				
Diameter	mm	500				

Filter components and parts

Filter element	Model × Quantity	SCR-Y160C *8	SCR-Y160T *8	SCR-Y160A *8	SCR-Y160H *8	SCR-Y160F *8
Drain valve	/	Hand valve + Zero gas consumption drain				
Differential pressure gauge	/	Differential pressure gauge				
Filter element material	/	Glass fiber				
Housing material	/	Carbon steel				

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-Y180

Specifications and models		SCR-Y180C	SCR-Y180T	SCR-Y180A	SCR-Y180H	SCR-Y180F
Flow rate	m ³ /min	180	180	180	180	180
Air inlet pressure	MPa	1.0	1.0	1.0	1.0	1.0
Air inlet temperature	°C	<80	<80	<80	<80	<80
Oil content	ppm	≤3	≤1	≤0.01	≤0.003	/
Impurity particle size	μm	≤3	≤1	≤0.01	≤0.01	≤0.1
Filter element service life	h	6000	6000	6000	6000	6000
Initial pressure difference	bar	0.02	0.06	0.07	0.04	0.17
Max. operating pressure	MPa	1.0				
Max. air inlet temperature	°C	80				
Dimension(H*W)	mm	1420*800				
connection size		DN200				
Diameter	mm	500				

Filter components and parts

Filter element	Model × Quantity	SCR-Y180C *8	SCR-Y180T *8	SCR-Y180A *8	SCR-Y180H *8	SCR-Y180F *8
Drain valve	/	Hand valve + Zero gas consumption drain				
Differential pressure gauge	/	Differential pressure gauge				
Filter element material	/	Glass fiber				
Housing material	/	Carbon steel				

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.



SCR-Y200

Specifications and models		SCR-Y200C	SCR-Y200T	SCR-Y200A	SCR-Y200H	SCR-Y200F
Flow rate	m ³ /min	200	200	200	200	200
Air inlet pressure	MPa	1.0	1.0	1.0	1.0	1.0
Air inlet temperature	°C	<80	<80	<80	<80	<80
Oil content	ppm	≤3	≤1	≤0.01	≤0.003	/
Impurity particle size	μm	≤3	≤1	≤0.01	≤0.01	≤0.1
Filter element service life	h	6000	6000	6000	6000	6000
Initial pressure difference	bar	0.02	0.06	0.07	0.04	0.17
Max. operating pressure	MPa	1.0				
Max. air inlet temperature	°C	80				
Dimension(H*W)	mm	1570*800				
connection size		DN200				
Diameter	mm	500				

Filter components and parts

Filter element	Model × Quantity	SCR-Y200C *9	SCR-Y200T *9	SCR-Y200A *9	SCR-Y200H *9	SCR-Y200F *9
Drain valve	/	Hand valve + Zero gas consumption drain				
Differential pressure gauge	/	Differential pressure gauge				
Filter element material	/	Glass fiber				
Housing material	/	Carbon steel				

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.



SCR-Y260

Specifications and models		SCR-Y260C	SCR-Y260T	SCR-Y260A	SCR-Y260H	SCR-Y260F
Flow rate	m ³ /min	260	260	260	260	260
Air inlet pressure	MPa	1.0	1.0	1.0	1.0	1.0
Air inlet temperature	°C	<80	<80	<80	<80	<80
Oil content	ppm	≤3	≤1	≤0.01	≤0.003	/
Impurity particle size	μm	≤3	≤1	≤0.01	≤0.01	≤0.1
Filter element service life	h	6000	6000	6000	6000	6000
Initial pressure difference	bar	0.02	0.06	0.07	0.04	0.17
Max. operating pressure	MPa	1.0				
Max. air inlet temperature	°C	80				
Dimension(H*W)	mm	1645*860				
connection size		DN250				
Diameter	mm	550				

Filter components and parts

Filter element	Model × Quantity	SCR-Y260C *12	SCR-Y260T *12	SCR-Y260A *12	SCR-Y260H *12	SCR-Y260F *12
Drain valve	/	Hand valve + Zero gas consumption drain				
Differential pressure gauge	/	Differential pressure gauge				
Filter element material	/	Glass fiber				
Housing material	/	Carbon steel				

Notes:

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SCR-Y300

Specifications and models		SCR-Y300C	SCR-Y300T	SCR-Y300A	SCR-Y300H	SCR-Y300F
Flow rate	m³/min	320	320	320	320	320
Air inlet pressure	MPa	1.0	1.0	1.0	1.0	1.0
Air inlet temperature	℃	<80	<80	<80	<80	<80
Oil content	ppm	≤3	≤1	≤0.01	≤0.003	/
Impurity particle size	μm	≤3	≤1	≤0.01	≤0.01	≤0.1
Filter element service life	h	6000	6000	6000	6000	6000
Initial pressure difference	bar	0.02	0.06	0.07	0.04	0.17
Max. operating pressure	MPa	1.0				
Max. air inlet temperature	℃	80				
Dimension(H*W)	mm	1710*970				
connection size		DN250				
Diameter	mm	650				
Filter components and parts						
Filter element	Model × Quantity	SCR-Y300C *14	SCR-Y300T *14	SCR-Y300A *14	SCR-Y300H *14	SCR-Y300F *14
Drain valve	/	Hand valve + Zero gas consumption drain				
Differential pressure gauge	/	Differential pressure gauge				
Filter element material	/	Glass fiber				
Housing material	/	Carbon steel				
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.						