

No.1 Share in Japan

ORION[®]

ISO Quality Policy

Orion strives to offer products that delight its customers.

オリオンクリーンエアシステム
冷凍式圧縮空気除湿装置

Clean Air System

(Heavy Duty Models)

Low Pressure Loss & Energy Saving

Eco-Friendly Refrigerant Applied

Powerful performance in Asia
with heavy duty specification



ARX3500A-E



ARX7400A-WE

Best Match for Inverter Compressor & Oil-Free Compressor

Super Filter Series Product Specifications

Model

《4 Unit Types and 24 Models to Suit Your Needs》
DSF/LSF/MSF/KSF2900A ~ 8000A

- For Heavy Duty ARX Air Flow.
- Stainless Steel Vessel Standard (For both cleanliness and reduced weight.)
- Highly Efficient Filter Element (Made in Japan)
 - Super Drain Filter DSF Series : Removes water droplets and solid particulate (5 μm and larger).
 - Super Line Filter LSF Series : Removes solid particulate (1 μm and larger).
 - Super Mist Filter MSF Series : Removes oil and solid particulate (0.01 μm and larger).
 - Super Activated Carbon Filter KSF Series : Oil and odor removal (oil concentration at outlet: 0.003 wt ppm).



Model	DSF / LSF / MSF / KSF	2900A	3500A	4100A
Air processing capacity (at 0.69 MPa)	m ³ /min	29	35	41
Body and housing		Stainless steel		
Operating ranges	Operating ranges	Mpa 0.1 - 0.98 (DSF: 0.2 - 0.98, KSF: 0.05 - 0.98)		
	Inlet air temperature	℃ 5 - 60		
	Ambient temperature	℃ 2 - 60		
Performance specifications	Filtration	DSF : 5μm (Liquid water separation efficiency: 99%) LSF : 1μm (Filtration efficiency: 99.999%) MSF : 0.01μm (Filtration efficiency: 99.999%) KSF : Adsorption by activated carbon fiber		
	Output oil concentration	Wtppm MSF : 0.01 KSF : 0.003 ※ Subject to inlet air conditions of the system piping.		
When to replace filter element		One year or pressure loss 0.02 MPa for DSF, 0.035 MPa for LSF/MSF, whichever comes first.		
Main dimensions	Air connection (FLG)	2 1/2B (65A), JIS 10K FF	3B (80A), JIS 10K FF	
	Dimensions (front face × depth × height)	DSF : 590×290×1013 LSF/MSF : 590×290×999 KSF : 590×290×823	DSF : 590×290×1170 LSF/MSF : 590×290×1159 KSF : 590×290×980	
	Mass	kg 26	28	
Element	EDS/ELS/EMS/EKS models	1300	2000	
	Quantity	2	2	
Accessories	Auto drain trap	FD-10-A (DSF)	FD2 (LSF/MSF)	None with KSF
	Pressure differential gauge	DG-50A (Comes standard only with the MSF. Available as an option on other models.)		
	Other	-		

Model	DSF / LSF / MSF / KSF	5300A	6100A	8000A
Air processing capacity (at 0.69 MPa)	m ³ /min	53	61	80
Body and housing		Stainless steel		
Operating ranges	Operating ranges	MPa 0.1 - 0.98 (DSF: 0.2 - 0.98, KSF: 0.05 - 0.98)		
	Inlet air temperature	℃ 5 - 60		
	Ambient temperature	℃ 2 - 60		
Performance specifications	Filtration	DSF : 5μm (Liquid water separation efficiency: 99%) LSF : 1μm (Filtration efficiency: 99.999%) MSF : 0.01μm (Filtration efficiency: 99.999%) KSF : Adsorption by activated carbon fiber		
	Output oil concentration	Wtppm MSF : 0.01 KSF : 0.003 ※ Subject to inlet air conditions of the system piping.		
When to replace filter element		One year or pressure loss 0.02 MPa for DSF, 0.035 MPa for LSF/MSF, whichever comes first.		
Main dimensions	Air connection (FLG)	4B(100A), JIS 10K FF		
	Dimensions (front face × depth × height)	DSF : 640×442×1239 LSF/MSF : 640×442×1224 KSF : 640×442×1056	680×594×1757	
	Mass	kg DSF/LSF/MSF : 48 KSF : 46	DSF / LSF / MSF / KSF : 95	
Element	EDS/ELS/EMS/EKS models	2000	2000	
	Quantity	3	4	
Accessories	Auto drain trap	FD-10-A (DSF)	FD2 (LSF/MSF)	None with KSF
	Pressure differential gauge	DG-50A (Comes standard only with the MSF. Available as an option on other models.)		
	Other	-		
				Stand

※Air processing capacity is converted to the suction air condition (at atmospheric pressure, 32deg.C and 75%).

※Special-order models available with an air pressure specification of 1.0 MPa.

※Air connection flange : JIS 10K FF, No companion flange is attached.

※Oil concentration is measured in conformity with ISO8573-2 "Compressed air - Part 2 : Test methods for oil aerosol content", not including oil-vapor.

※ Refer to the specifications sheet for further details.