

Super dryer combination Super dryer

SU300E/SU400E/SD300E/SD400E-W-FP1 Series

E Series, with small air loss and filter-like usability

- Reduces operation costs through energy-saving moisture removal with a purge ratio of 10%.
- 3 types of units are available. Appropriate system is available according to applications.
- Processing air flow rate: 75 to 450 L/min (ANR) (0.7MPa, atmospheric dew point -15°C)



Specifications

Item	SU301E ±W-C1	SU302E ±W-C1	SU401E ±W-C1	SU402E ±W-C1	SU301E ±W-C2	SU302E ±W-C2	SU401E ±W-C2	SU402E ±W-C2	SU301E ±W-C3	SU302E ±W-C3	SU401E ±W-C3	SU402E ±W-C3	SD301E ±W	SD302E ±W	SD401E ±W	SD402E ±W				
Appearance																				
Configuration	Oil mist filter Super dryer (High polymer membrane air dryer)				Air filter Oil mist filter (with differential pressure gauge) Super dryer (High polymer membrane air dryer)				Air filter Oil mist filter (with differential pressure gauge) Super dryer (High polymer membrane air dryer) Regulator				Super dryer (High polymer membrane air dryer)							
Working fluid	Compressed air																			
Inlet air pressure MPa	0.4 to 1.0																			
Proof pressure MPa	1.5																			
Inlet air temperature °C	5 to 50																			
Ambient temperature °C	5 to 50																			
Outlet air atmospheric dew point °C	-15																			
Inlet air flow rate L/min (ANR)	75	150	300	450	75	150	300	450	75	150	300	450	75	150	300	450				
Outlet air flow L/min (ANR)	67	135	270	405	67	135	270	405	67	135	270	405	67	135	270	405				
Purge flow rate L/min (ANR)	8	15	30	45	8	15	30	45	8	15	30	45	8	15	30	45				
Inlet air pressure dew point °C	25																			
Inlet air pressure MPa	0.7																			
Inlet air temperature °C	25																			
Ambient temperature °C	25																			
Air filter	Degree of filtration μm				-				5				-							
Oil mist filter	Oil removal mg/m ³				0.1 [about 0.1 PPM] (inlet air at 30°C)												-			
Regulator	Set pressure range MPa				-				0.05 to 0.85				-							
	Relief pressure MPa				-				Setting pressure plus 0.05				-							
Standard accessories	Bracket				Differential pressure gauge/bracket				Pressure gauge/differential pressure gauge/bracket				-							

*1: An oil mist filter cannot be controlled with a differential pressure gauge for C1. Replace the oil mist filter mantle every year.

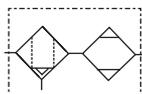
*2: Purge flow rate in standard rating section is also the same value at 0.5 MPa.

JIS symbol

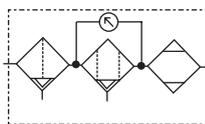
SD301E to 402E-*



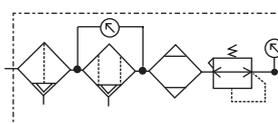
SU301E to 402E-±C1



SU301E to 402E-±C2



SU301E to 402E-±C3



For dimensions, refer to the super dryer unit in "Pneumatic, Vacuum and Auxiliary Components (CB-024SA)".

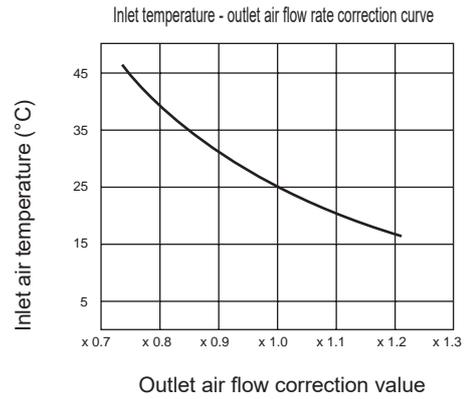
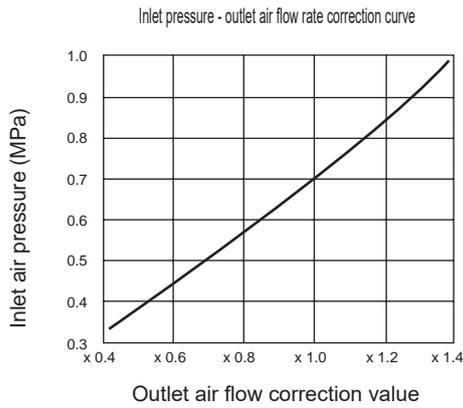
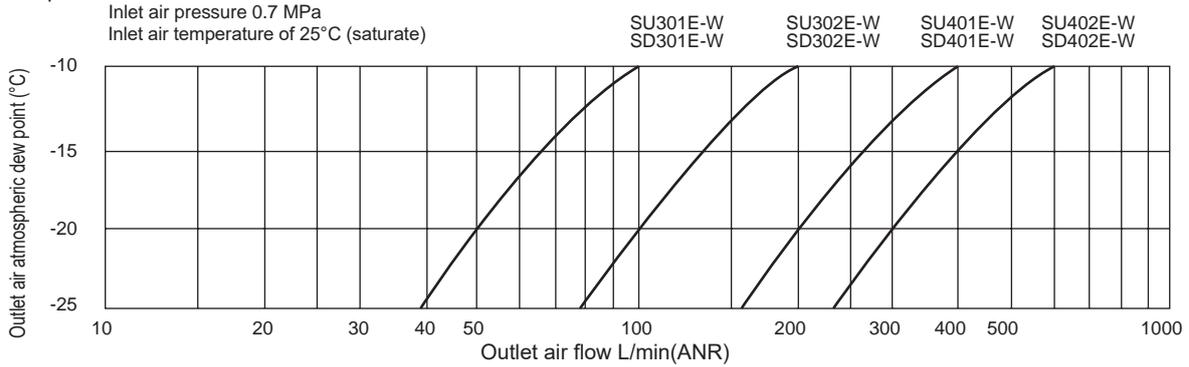
SU₄ 00E/SD₄ 00E-W-FP1 Series

Dew point performance/How to order

Dew point performance

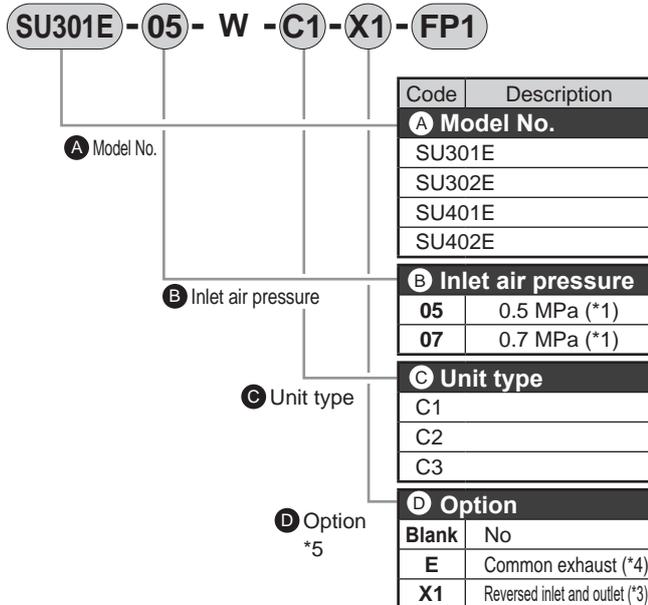
Refer to Pneumatic, Vacuum and Auxiliary Components (CB-024SA) for selection guide and compensation method.

● Dew point performance curve

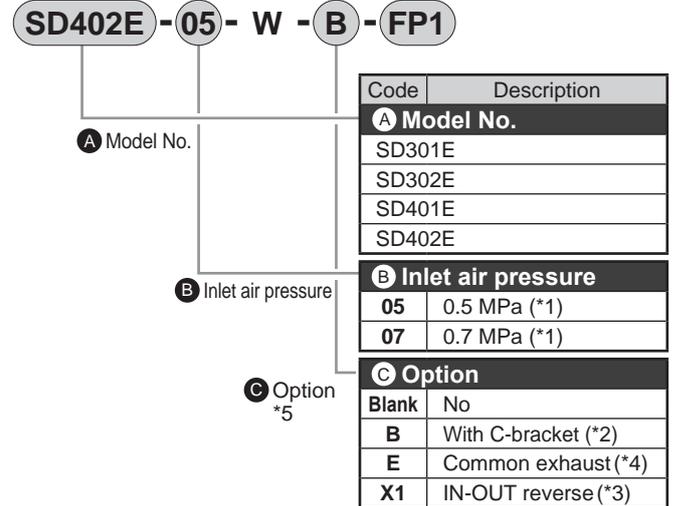


How to order

● Super dryer combination



● Super dryer (High polymer membrane air dryer)



⚠ Precautions for model No. selection

- *1: If inlet air pressure is less than 0.7 MPa, indicate 05; for 0.7 MPa and over, indicate 07.
- *2: If fixed by C type bracket, modular connection with peripheral devices is not possible.
- *3: Viewed from the front, standard products have an air inlet on the left port and an air outlet on the right port. For "X1", an air inlet is provided on the right port, with an air outlet provided on the left port.
- *4: Purge air from standard products is released into the atmosphere. If "E" is indicated, common exhaust of purge air is enabled. The size of exhaust ports include the Rc1/8 for the 300 Series and the Rc1/4 for the 400 Series.
- *5: When ordering several options, indicate the required options in alphabetical order.

FP1
FP2

Electric actuator
Pneumatic cylinders
Assistive device
Pneumatic valves
FRL/Auxiliary Components
Electronic Component
Vacuum components
Main line components
Fluid control valves
Main line components
Anti-bacterial/bacteria-removing filter
Vacuum components
Fluid control valves

Super dryer combination Super dryer

SU300D/SU400D/SD300D/SD400D-W-FP1 Series

Slim body and high performance D series

- Small and powerful removal performance. Appropriate for integrating in devices.
- 3 types of units are available. Appropriate system is available according to applications.
- Processing air flow rate: 125 to 750L/min(ANR)(0.7 MPaHourAtmospheric dew point-20°C)



Specifications

Item	SU301D -W-C1	SU302D -W-C1	SU401D -W-C1	SU402D -W-C1	SU301D -W-C2	SU302D -W-C2	SU401D -W-C2	SU402D -W-C2	SU301D -W-C3	SU302D -W-C3	SU401D -W-C3	SU402D -W-C3	SD ± 301D -W	SD302D -W	SD401D -W	SD402D -W		
Appearance																		
	Simple & space saving structure unit that removes moisture from the air from which solid impurities have already been removed. (*1)				Unit supplying clean dry air with line not requiring pressure adjustment.				A unit that supplies pressure-adjusted clean dry air just by supplying compressed air.				Discrete super dryer enabling easy system configuration with peripheral devices due to modular design.					
Configuration	Oil mist filter Super dryer (High polymer membrane air dryer)				Air filter Oil mist filter (with differential pressure gauge) Super dryer (High polymer membrane air dryer)				Air filter Oil mist filter (with differential pressure gauge) Super dryer (High polymer membrane air dryer) Regulator				Super dryer (High polymer membrane air dryer)					
Working fluid	Compressed air																	
Inlet air pressure MPa	0.4 to 1.0																	
Proof pressure MPa	1.5																	
Inlet air temperature °C	5 to 50																	
Ambient temperature °C	5 to 50																	
Outlet air atmospheric dew point °C	-20																	
Inlet air flow rate L/min (ANR)	125	250	500	750	125	250	500	750	125	250	500	750	125	250	500	750		
Outlet air flow L/min (ANR)	100	200	400	600	100	200	400	600	100	200	400	600	100	200	400	600		
Purge flow rate L/min (ANR)	25	50	100	150	25	50	100	150	25	50	100	150	25	50	100	150		
Inlet air pressure dew point °C	25																	
Inlet air pressure MPa	0.7																	
Inlet air temperature °C	25																	
Ambient temperature °C	25																	
Air filter	Degree of filtration μm				-				5				-					
Oil mist filter	Oil removal mg/m ³				0.1 [about 0.1 PPM] (inlet air at 30°C)												-	
Regulator	Set pressure range MPa				-				0.05 to 0.85				-					
	Relief pressure MPa				-				Setting pressure plus 0.05				-					
Standard accessories	Bracket				Differential pressure gauge/bracket				Pressure gauge/differential pressure gauge/bracket				-					

*1: An oil mist filter cannot be controlled with a differential pressure gauge for C1. Replace the oil mist filter mantle every year.

*2: Purge flow rate in standard rating section is also the same value at 0.5 MPa.

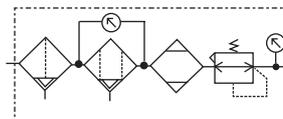
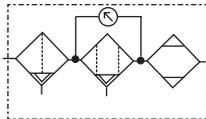
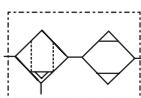
JIS symbol

SD301D to 402D-*

SU301D to 402D-*C1

SU301D to 402D-*C2

SU302D to 402D-*C3



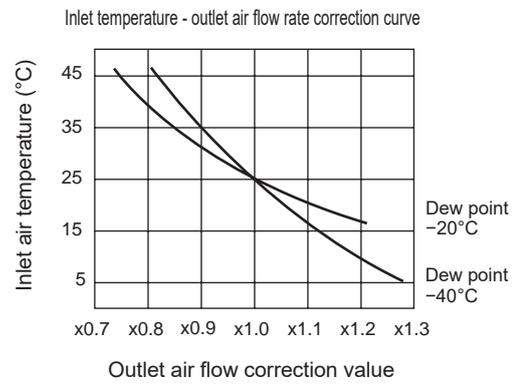
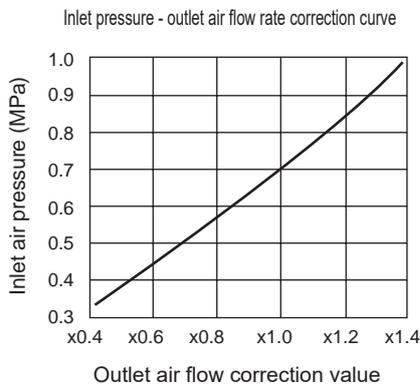
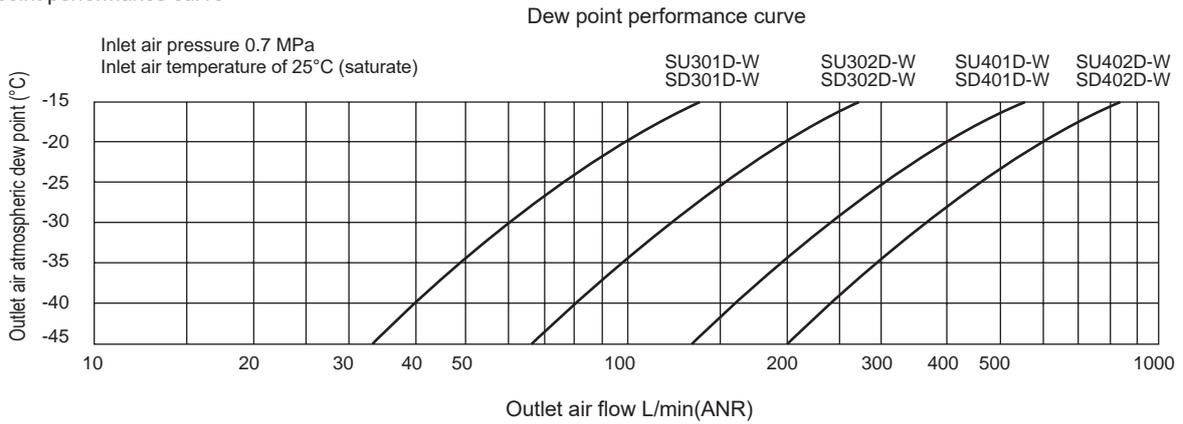
For dimensions, refer to the super dryer unit in "Pneumatic, Vacuum and Auxiliary components (CB-024SA)".

SU³ 00D/SD³ 00D-W-FP1 Series

Dew point performance/How to order

Dew point performance machine Refer to Pneumatic, Vacuum and Auxiliary Components (CB-024SA) for selection guide and compensation method.

● Dew point performance curve



How to order

● Super dryer combination

SU301D - 05 - W - C1 - X1 - FP1

Code	Description
A Model No.	
SU301D	
SU302D	
SU401D	
SU402D	
B Inlet air pressure	
05	0.5 MPa(*1)
07	0.7 MPa(*1)
C Unit type	
C1	
C2	
C3	
D Option	
Blank	No
E	Common exhaust (*4)
X1	Reversed inlet and outlet (*3)

● Super dryer (High polymer membrane air dryer)

SD402D - 05 - W - B - FP1

Code	Description
A Model No.	
SD301D	
SD302D	
SD401D	
SD402D	
B Inlet air pressure	
05	0.5 MPa (*1)
07	0.7 MPa (*1)
C Option	
Blank	No
B	With C-bracket (*2)
E	Common exhaust (*4)
X1	Reversed inlet and outlet (*3)

⚠ Precautions for model No. selection

- *1: If inlet air pressure is less than 0.7MPa, indicate 05; for 0.7MPa and over, indicate 07.
- *2: If fixed by C-bracket, modular connection with peripheral devices is not possible.
- *3: Viewed from the front, standard products have an air inlet on the left port and an air outlet on the right port. For "X1", an air inlet is provided on the right port, with an air outlet provided on the left port.
- *4: Purge air from standard products is released into the atmosphere. If "E" is indicated, common exhaust of purge air is enabled. The size of exhaust ports include the Rc1/8 for the 300 Series and the Rc1/4 for the 400 Series.
- *5: When ordering several options, indicate the required options in alphabetical order.

Electric actuator
 Pneumatic cylinders
 Assistive device
 Pneumatic valves
 FRL/Auxiliary Components
 Electronic Component
 Vacuum components
 Main line components
 Fluid control valves
 Main line components
 Anti-bacterial/bacteria-removing filter
 Vacuum components
 Fluid control valves

FP1

FP2