Description			25A- Series Model (Type)	Page
Vacuum Equipment	Vacuum Ejector	New	25A-ZK2□A (Vacuum unit) Single unit only	175
	Space Saving Vacuum Ejector	New	25A-ZQ□A (Ejector system) Single unit/Manifold	181-1
		New	25A-ZQ□A (Vacuum pump system) Single unit/Manifold	181-4
			25A-ZQ (Ejector unit) Single unit/Manifold	181
			25A-ZQ (Vacuum pump unit) Single unit/Manifold	185
			ZH□□DA (Body ported) (Only the models without connection threads)	∗1
			ZH□□BA (Box type) (Only the models without connection threads)	∗1
	In-line Type Vacuum Ejector		ZU□□A (In-line type) (Only the models without connection threads)	∗1
	In-line Air Filter		ZFC (With One-touch fittings)	∗1
	Vacuum Pad		ZP (Pad only)	∗1
			ZPS (With stainless steel adapter)	∗1
	Vacuum Regulator	New	25A-IRV	189
	Adsorption Plate		SP	∗1
Air Preparation Equipment	Membrane Air Dryer		25A-IDG (Single unit/Standard dew point -40°C/-60°C specifications)	190
	Air Preparation Filter		25A-AFF (Main line filter)	192
			25A-AM (Mist separator)	193
			25A-AMD (Micro mist separator)	194
			25A-AMH (Micro mist separator with pre-filter)	195
Clean Air Filters	Clean Air Filter		SFD100	∗1
			SFD200	∗1
			25A-AMP (Exhaust cleaner for clean room)	196
			SFE (Clean exhaust filter)	∗1
Modular F.R.L./ Pressure Control Equipment	Modular F.R.L. Units	New	AC-D (Available through the Simple Specials System)	196-2
	Air Filter Separator	New	25A-AF-D (Air filter)	197
		New	25A-AFM-D (Mist separator)	199
		New	25A-AFD-D (Micro mist separator)	199
			25A-AF-A (Air filter)	198
			25A-AFM-A (Mist separator)	200
			25A-AFD-A (Micro mist separator)	200
	Regulator	New	25A-AR-D (Regulator)	201
		New	25A-AR□K-D (Regulator with backflow function)	201
		New	25A-AW-D (Filter regulator)	203
		New	25A-AW□K-D (Filter regulator with backflow function)	203
		New	25A-AWM-D (Mist separator regulator)	205
		New	25A-AWD-D (Micro mist separator regulator)	205
			25A-AR-B (Regulator)	202
			25A-AR□K-B (Regulator with backflow function)	202
			25A-AW-B (Filter regulator)	204
			25A-AW□K-B (Filter regulator with backflow function)	204
	Soft Start-up Valve		25A-AV-A (Soft start-up valve)	205-1
	Precision/ Electro-Pneumatic Regulator		25A-IR□-A (Precision regulator)	206
			25A-ITV (Electro-pneumatic regulator)	207

∗1 Standard products: For the standard model, copper (Cu) and zinc (Zn) are not used as main components in the metal materials. Refer to the **Web Catalog** for details.

Soft Start-up Valve
25A-AV2000-A to 25A-AV5000-A

CE UKCA RoHS



How to Order

25A – AV [20] 00 – [ ] [02] [B] – [1] [D] [ ] [B] – [ ] – A

❶ ❷ ❸ ❹ ❺ ❻ ❼ ❽ ❾

• **Series compatible with secondary batteries**[*7]

· Select one each for options "**a**" and semi-standard options "**b**" and "**c**."
· Option/Semi-standard symbol: When more than one specification is required, indicate in alphabetical order.
Example) 25A-AV2000-N02B-1DB-RZ-A

* CE/UKCA compliant: ●

	Electrical entry		
	Grommet	DIN terminal	M12 connector
AC	—	●	—
DC	●	●	●

				Symbol	Description	❶ Body size 20	30	40	50
❷	Thread type			**Nil**	Rc	●	●	●	●
				N	NPT	●	●	●	●
				F	G	●	●	●	●
				+					
❸	Port size 1(P), 2(A)			**02**	1/4	●	—	—	—
				03	3/8	—	●	—	—
				04	1/2	—	—	●	—
				06	3/4	—	—	—	●
				10	1	—	—	—	●
				+					
❹	Option	**a**	Mounting	**Nil**	Without mounting option	●	●	●	●
				B	With bracket	●	●	●	●
				+					
❺	Rated coil voltage	AC (50/60 Hz)		**1**	100 VAC	●	●	●	●
				2	200 VAC	●	●	●	●
				3	110 VAC [115 VAC][*1]	●	●	●	●
				4	220 VAC [230 VAC][*1]	●	●	●	●
		DC		**5**	24 VDC	●	●	●	●
				6	12 VDC	●	●	●	●
				+					
❻	Electrical entry			**G**	Grommet (Lead wire length: 300 mm)	●	●	●	●
				D	Type D (DIN terminal/With connector)	●	●	●	●
				Y	Type Y (DIN terminal/With connector)[*2]	●	●	●	●
				KO	M12 connector (Without cable)	○[*3]	○[*3]	○[*3]	○[*3]
				+					
❼	Light/surge voltage suppressor			**Nil**	None	●	●	●	●
				Z	With light/surge voltage suppressor	○[*4]	○[*4]	○[*4]	○[*4]
				+					
❽	Manual override			**Nil**	Non-locking push type	●	●	●	●
				B	Push-turn locking slotted type	●	●	●	●
				C	Push-turn locking lever type	●	●	●	●
				+					
❾	Semi-standard	**b**	Flow direction	**Nil**	Flow direction: Left to right	●	●	●	●
				R	Flow direction: Right to left	●	●	●	●
				+					
		c	Pressure unit	**Nil**	Unit on product label: MPa, Pressure gauge: MPa	●	●	●	●
				Z[*5]	Unit on product label: psi, Pressure gauge: MPa/psi dual scale	○[*6]	○[*6]	○[*6]	○[*6]

*1 The 110 VAC and the 115 VAC are interchangeable. The 220 VAC and the 230 VAC are interchangeable as well. The allowable voltage fluctuation is –15% to +5% of the rated voltage for the 115 VAC or the 230 VAC.
*2 Type "Y" is a DIN terminal in compliance with EN-175301-803C (former DIN43650C).
*3 When the electrical entry is "KO," only the DC specifications (5 or 6) can be selected for the rated coil voltage.
*4 When it is "KO," only the "With light/surge voltage suppressor" option can be selected.
*5 For the pipe thread type: NPT
This product is for overseas use only according to the New Measurement Act. (The SI unit type is provided for use in Japan.)
*6 Pressure unit Z: For the pipe thread type: NPT only
*7 Coils for pilot valve assemblies, connector pins, and lead wires are made of copper.

* The 25A- series specifications and dimensions are the same as those of the standard model.

For details, refer to the Web Catalog.

Bracket/Option Part Nos., Pilot Valve Assembly/Replacement Parts for the 25A- Series

Description	Series			
	25A-AV2000-A	**25A-AV3000-A**	**25A-AV4000-A**	**25A-AV5000-A**
Bracket assembly∗1	25A-AV22P-210AS	25A-AV32P-210AS	25A-AV42P-210AS	25A-AV52P-210AS
Pilot valve assembly	Refer to the How to Order below.			

∗1 Bracket: 1 pc., Mounting screw: 2 pcs. (3 pcs. for the 25A-AV5000-A)

How to Order Pilot Valve Assembly

25A−AV 2 0− 1 G □ B A

❶ ❷ ❸ ❹ ❺

Series compatible with secondary batteries

			Symbol	Description	Applicable body size			
					20	**30**	**40**	**50**
❶	Body size		**2**	For the AV2000-A, AV3000-A	●	●	—	—
			4	For the AV4000-A, AV5000-A	—	—	●	●
			+					
❷	Rated coil voltage	AC (50/60 Hz)	**1**	100 VAC	●	●	●	●
			2	200 VAC	●	●	●	●
			3	110 VAC [115 VAC]∗1	●	●	●	●
			4	220 VAC [230 VAC]∗1	●	●	●	●
		DC	**5**	24 VDC	●	●	●	●
			6	12 VDC	●	●	●	●
			+					
❸	Electrical entry		**G**	Grommet (Lead wire length: 300 mm)	●	●	●	●
			D	Type D (DIN terminal/With connector)	●	●	●	●
			Y	Type Y (DIN terminal/With connector)∗2	●	●	●	●
			KO	M12 connector (Without cable)	○∗3	○∗3	○∗3	○∗3
			+					
❹	Light/surge voltage suppressor		**Nil**	None	●	●	●	●
			Z	With light/surge voltage suppressor	○∗4	○∗4	○∗4	○∗4
			+					
❺	Manual override		**Nil**	Non-locking push type	●	●	●	●
			B	Push-turn locking slotted type	●	●	●	●
			C	Push-turn locking lever type	●	●	●	●

∗1 The 110 VAC and the 115 VAC are interchangeable. The 220 VAC and the 230 VAC are interchangeable as well.
The allowable voltage fluctuation is –15% to +5% of the rated voltage for the 115 VAC or the 230 VAC.
∗2 Type "Y" is a DIN terminal in compliance with EN-175301-803C (former DIN43650C).
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