

Controller

PAW-B Series

Proposing the ideal air circuit for various supporting mechanisms.

Specifications

Item	PAW-BS	PAW-BH	PAW-BS-DC	PAW-BH-DC
Working fluid	Clean compressed air (JIS B8392-1:2012 (ISO 8573-1:2010) [1:3:2])			
Max. working pressure MPa	0.7			
Min. working pressure MPa	0.35			
Proof pressure MPa	1.05			
Power supply voltage	Single-phase 100 to 220 VAC (50/60 Hz)		24 VDC ±10%	
Rated current	1 A		1.1 A	
Ambient temperature °C	5 to 50			
Ambient humidity	45%RH to 85%RH (no condensation)			
Ambient atmosphere	Indoors (no water or dust)			
Installation orientation	Upright			
Lubrication	Not available			
Weight kg	14	16	14	16
Air supply port	Push-in fitting ø10			

Performance specifications

Item	PAW-BS1	PAW-BS2	PAW-BH1	PAW-BH2
I/O signal	Dedicated signals: Input 3, Output 2 General-purpose signals: Input 1, Output 2		Dedicated signals: Input 3, Output 2 General-purpose signals: Input 9, Output 7	
General-purpose single solenoid valve (ø4)	-		1	
General-purpose double solenoid valve (up to ø8)	-		2	
General-purpose port (ø4)	-		2	
General-purpose port (up to ø8)	-		3	
Shaft *1	1 shaft	2 shafts	1 shaft	2 shafts

*1: A selective compliance assembly robot arm and extension arm are excluded.

Applications

Application example 1: Hold

	Digital input	Digital output
1	Operation switch	Operation light
2	Stop switch	Stop light
3	Emergency stop button	Hold light*1
4	Hold button	-

*1: The function which allows the product to maintain the pressure that is applied at the start of the hold, regardless of workpiece load applied to the tip of the arm.

*2: The function which increases the pressure applied to the arm while the button is being held, to force the workpiece to be raised.

Select PAW-BS

(when a switch (input) and two or more indicators (output) are added for general-purpose input)

Application example 2: Suction

	Digital input	Digital output
1	Operation switch	Operation light
2	Stop switch	Stop light
3	Emergency stop button	Hold light*1
4	Hold button	Suction valve 1
5	Suction button	Suction valve 2
6	Outrigger 1	Suction light
7	Outrigger 2	-
8	Outrigger 3	-
9	Outrigger 4	-
10	-	-
11	-	-
12	-	-

Select PAW-BH

(when a suction or clamp attachment is installed, or sensors are installed on the outriggers (1 to 4) of the dolly to serve as interlocks)

Application example 3: Clamp

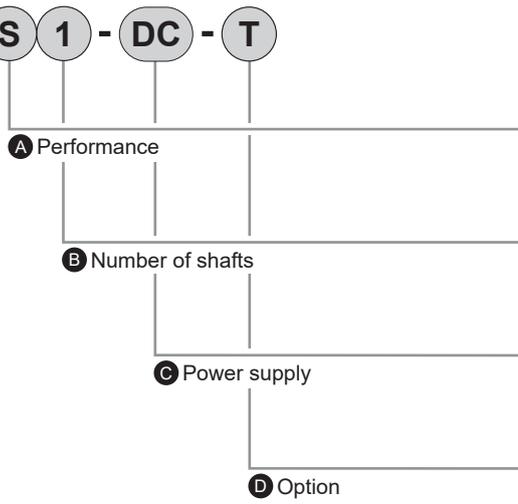
	Digital input	Digital output
1	Operation switch	Operation light
2	Stop switch	Stop light
3	Emergency stop button	Hold light
4	Hold button	Clamp solenoid valve
5	Clamp button	Unclamp solenoid valve
6	Cylinder switch 1	Clamp light
7	Cylinder switch 2	Solenoid valve for cylinder brake
8	Turbo button *2	-
9	Outrigger 1	-
10	Outrigger 2	-
11	Outrigger 3	-
12	Outrigger 4	-

Select PAW-BH

(when a suction or clamp attachment is installed, or sensors are installed on the outriggers (1 to 4) of the dolly to serve as interlocks)

How to order

PAW - B S 1 - DC - T

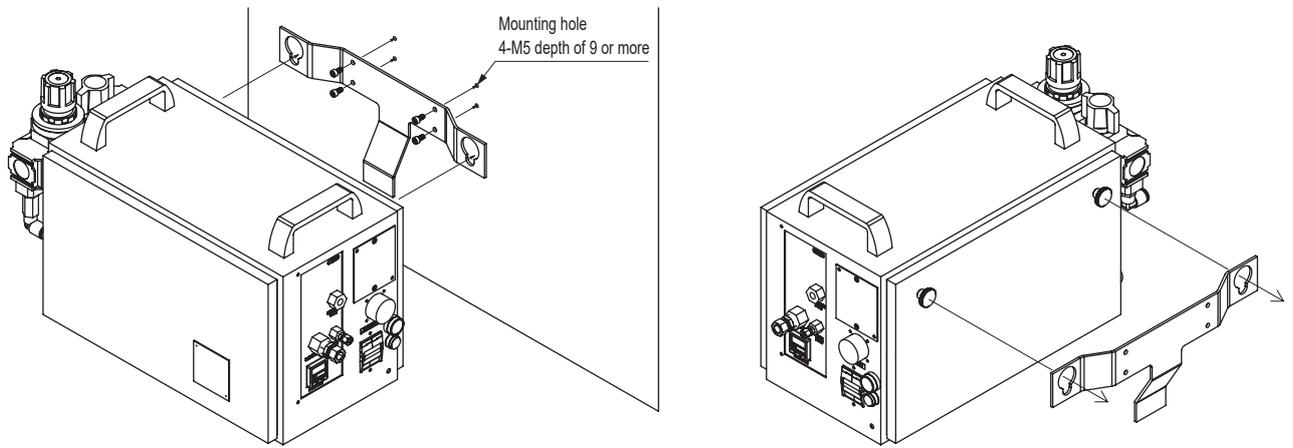


Code	Description
A Performance	
S	Standard
H	High end
B Number of shafts	
1	1 shaft
2	2 shafts
C Power supply	
Blank	Single-phase 100 to 220 VAC
DC	24 VDC
D Option	
T	T type bracket
L	L type bracket

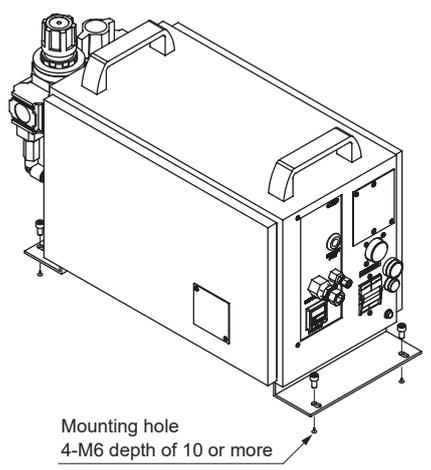
* We will make a quotation for each custom order product.
 * A power cable (2.5 m) supplied (For the 100 VAC specification (domestic), a 2 flat pin AC power cable with a ground pin is supplied.) For other specifications, a 3-core (N, L, and PE) cable with a round crimp terminal for M5 is supplied.
 * Main exterior areas except for the product are made of steel (baking finish).

[Bracket installation procedure]

● T type bracket

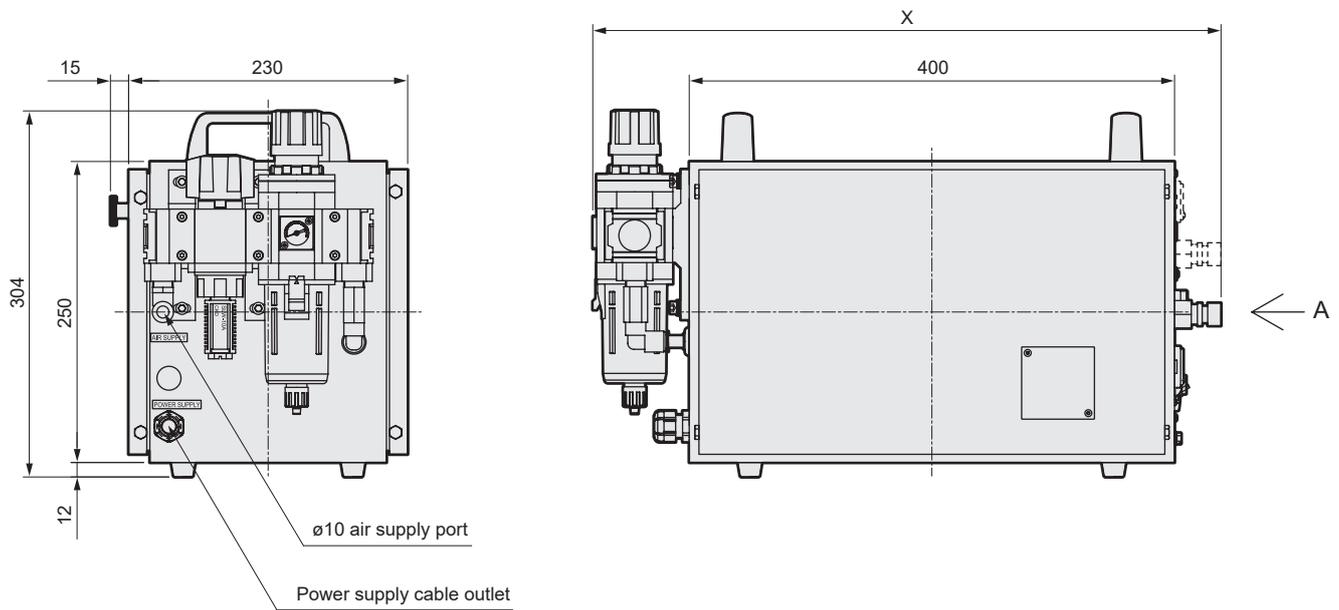


● L type bracket

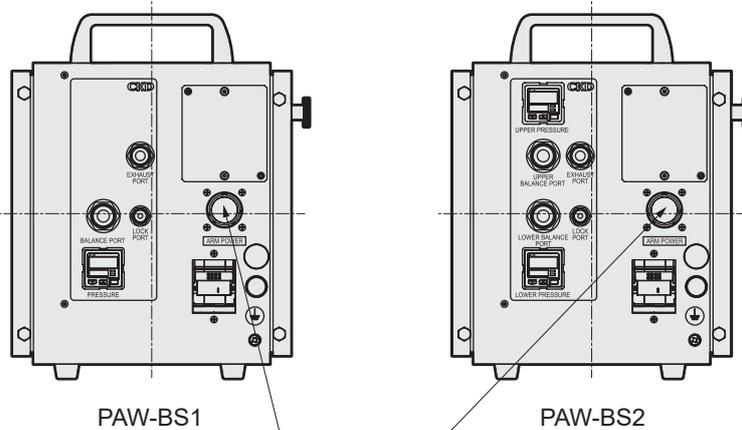


Dimensions

● PAW-BS (standard type)



A arrow view

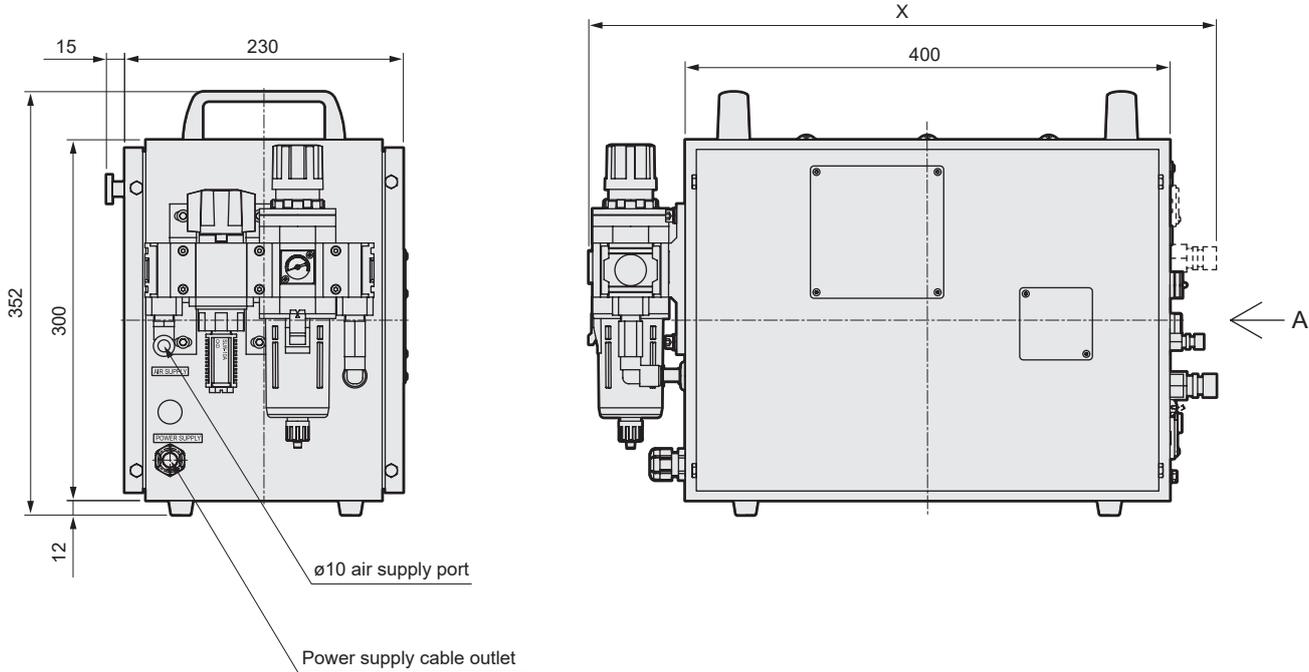


I/O signal receptacle
NJC-2816-RF

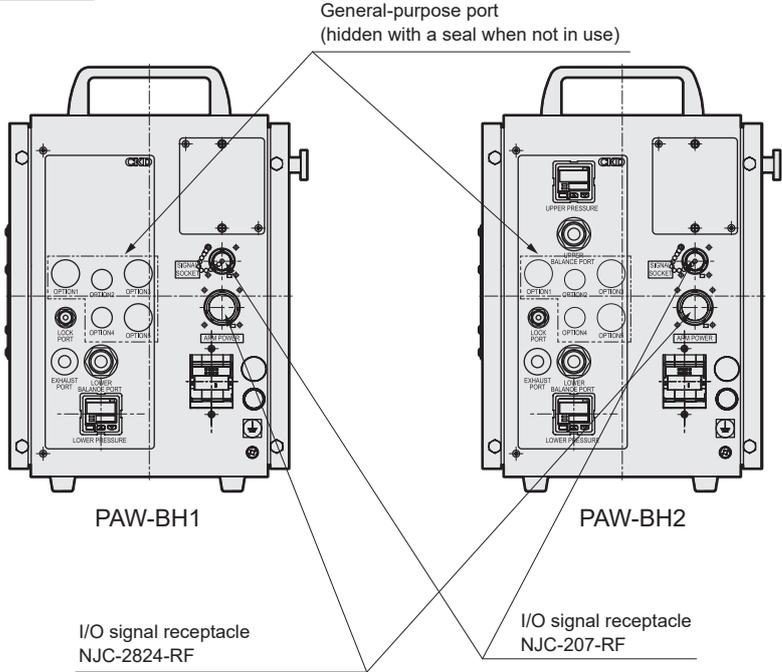
Combination contents	Number of shafts	X
8, 8S	1	516
X, XS, Z, ZS		518
8X, XZ, 8XS, XZS	2	

Dimensions

- PAW-BH (high-end type)

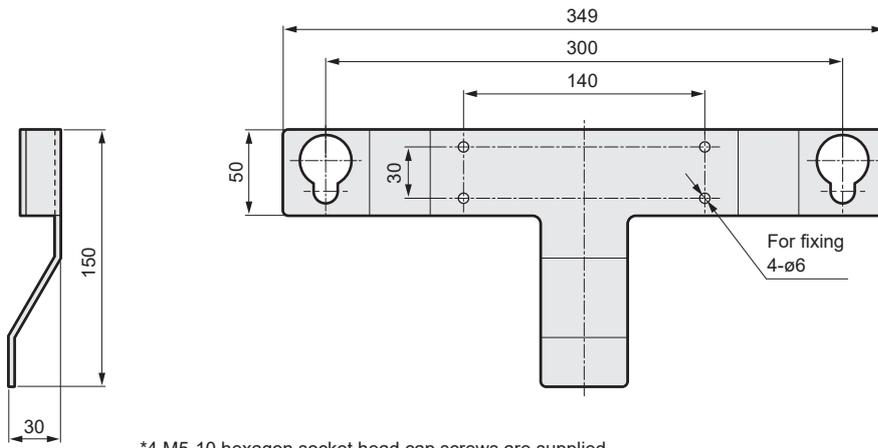


A arrow view



Combination contents	Number of shafts	X
8, 8S	1	516
X, XS, Z, ZS		518
8X, XZ, 8XS, XZS	2	

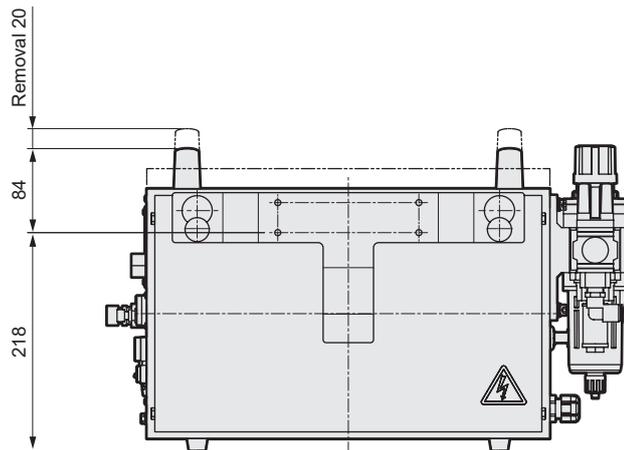
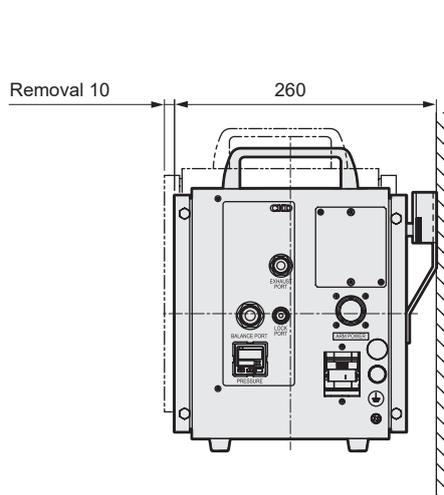
T type bracket dimensions



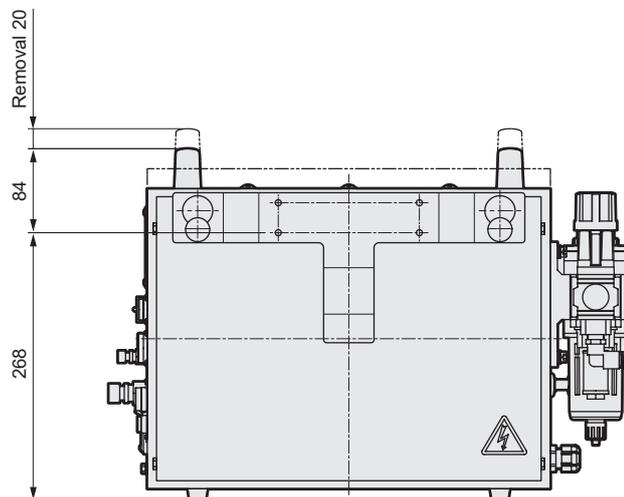
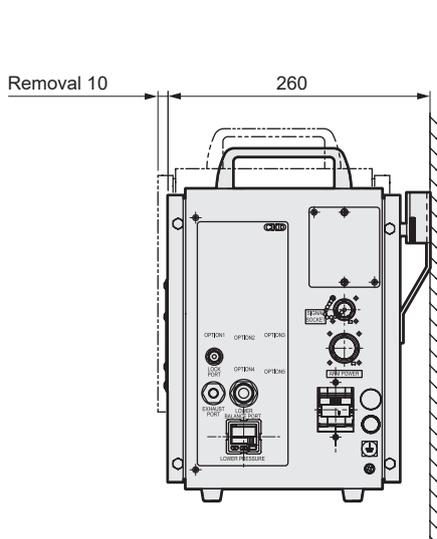
*4 M5-10 hexagon socket head cap screws are supplied.

*When the controller is installed

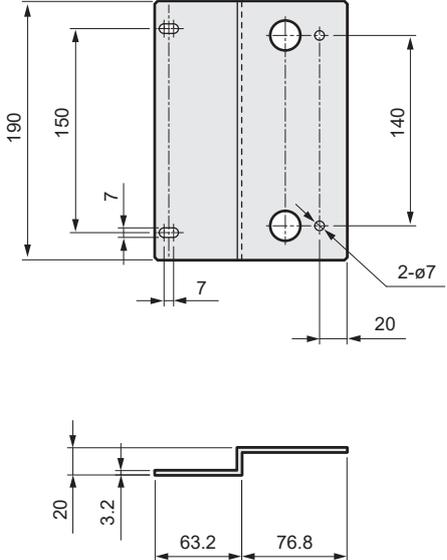
PAW-BS



PAW-BH



L type bracket dimensions



- *4 M6-12 hexagon socket head cap screws are supplied.
- *4 M6-12 hexagon socket head cap screws and 4 hexagon nuts are supplied if purchased separately.

*When the controller is installed

