

Separate Controller

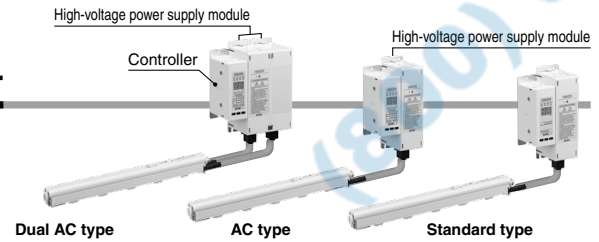
Bar Type Ionizer

IZT40/41/42 Series



How to Order

Bar + High-voltage power supply module + Controller



IZT **40** - **34** **D** **1** **6H** **R** - **3** **F** **U** -
 IZT **42** - **34** **D** **1** **6H** **R** - **3** **F** **U** -

1 Model

Symbol	Model
40	Standard type

2 Model

Symbol	Model
41	AC type
42	Dual AC type

3 Bar length

Symbol	Length [mm]	Symbol	Length [mm]
16	160	82	820
22	220	112	1120
34	340	130	1300
40	400	160	1600
46	460	190	1900
58	580	232	2320
64	640	250	2500

4 Emitter cartridge type/Emitter material

Symbol	Type	Material
D	High speed	Tungsten
E	de-ionizing cartridge	Silicon
L	Energy saving type	Tungsten
M	de-ionizing cartridge	Silicon

5 High-voltage cable length

Symbol	High-voltage cable length [m]
1	1
2	2
3	3

* The number of high-voltage cable holders differs depending on the high-voltage cable length. (Refer to the table below.)

Number of high-voltage cable holders

Symbol	IZT40		IZT41		IZT42	
	Straight	Elbow	Straight	Elbow	Straight	Elbow
1	1	1	1	1	2	2
2	2	1	2	1	4	2
3	3	1	3	1	6	2

6 One-touch fitting

Symbol	Metric size
4H	ø4 Straight
6H	ø6 Straight
8H	ø8 Straight
AH	ø10 Straight
4L	ø4 Elbow
6L	ø6 Elbow
8L	ø8 Elbow
AL	ø10 Elbow

Symbol	Inch size
5H	ø3/16" Straight
7H	ø1/4" Straight
9H	ø5/16" Straight
BH	ø3/8" Straight
5L	ø3/16" Elbow
7L	ø1/4" Elbow
9L	ø5/16" Elbow
BL	ø3/8" Elbow

* Refer to the table below for selecting a One-touch fitting.

7 Plug position

Symbol	Position
Nil	Without plug
Q	High-voltage cable side
R	Opposite side of the high-voltage cable

8 Input/Output specifications

Symbol	Input/Output
Nil	NPN
P	PNP

* Since input/output function cannot be used, specify "Nil" when the AC adapter is being used.

9 Power supply cable length

Symbol	Length [m]
3	3
5	5
10	10
15	15
N	None

* To use AC adapter, specify "N", and select AC adapter sold separately.

10 Bar bracket

Symbol	Type
Nil	Without bracket
B	With bracket 1
F	With bracket 2

* The number of intermediate brackets differs depending on the bar length. (Refer to the table below.)

Number of brackets

Bar length [mm]	End bracket	Intermediate bracket
160 to 760	2	None
820 to 1600		1
1660 to 2380		2
2440 to 2500		3

11 DIN rail mounting bracket for controller and high-voltage power supply module ⇨ page 22

Symbol	For controller	For high-voltage power supply module
Nil	None	None
U	Included	Included
W	Included	None
Y	None	Included

12 Made to order ⇨ page 19

Recommended piping port size for IZT4□

One-touch fitting symbol	Applicable tubing O.D. [mm]	Bar length [mm]													
		160	220	340	400	460	580	640	820	1120	1300	1600	1900	2320	2500
4H/4L	ø4	○	○	●	●	●	—	—	—	—	—	—	—	—	—
6H/6L	ø6	○	○	○	○	○	○	●	●	●	—	—	—	—	—
8H/8L	ø8	○	○	○	○	○	○	○	○	○	●	●	●	—	—
AH/AL	ø10	○	○	○	○	○	○	○	○	○	○	○	●	●	●
5H/5L	ø3/16	○	○	○	○	●	●	●	—	—	—	—	—	—	—
7H/7L	ø1/4	○	○	○	○	○	○	○	○	●	●	●	—	—	—
9H/9L	ø5/16	○	○	○	○	○	○	○	○	○	●	●	●	●	—
BH/BL	ø3/8	○	○	○	○	○	○	○	○	○	○	○	○	●	●

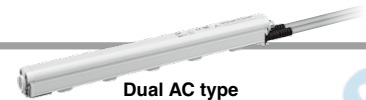
○: With piping on one side

●: With piping on both sides

How to Order for Individual Parts

Combinations

	Bar IZTB		High-voltage power supply module IZTP			Controller IZTC	
	40	42	40	41	42	40	41
IZT40	●		●			●	
IZT41	●			●			●
IZT42		●			●		●



Bar

IZTB 40 - 16 D 1 6H R - F -

1 2 3 4 5 6 7 8

1 Model

Symbol	Model
40	Standard, AC type
42	Dual AC type

2 Bar length

Symbol	Length [mm]	Symbol	Length [mm]
16	160	82	820
22	220	112	1120
34	340	130	1300
40	400	160	1600
46	460	190	1900
58	580	232	2320
64	640	250	2500

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* Refer to the table below for selecting a One-touch fitting.

6 Plug position

Symbol	Position
Nil	Without plug
Q	High-voltage cable side
R	Opposite side of the high-voltage cable

7 Bar bracket

Symbol	Type
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B	With bracket 1
F	With bracket 2

* The number of intermediate brackets differs depending on the bar length. (Refer to the table below.)

Number of brackets

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820 to 1600		1
1660 to 2380		2
2440 to 2500		3

8 Made to order ⇨ page 19

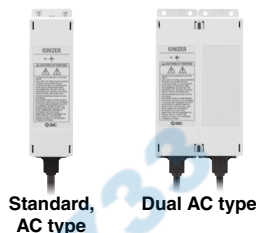
Recommended piping port size for IZT4□

One-touch fitting symbol	Applicable tubing O.D. [mm]	Bar length [mm]													
		160	220	340	400	460	580	640	820	1120	1300	1600	1900	2320	2500
4H/4L	ø4	○	○	●	●	●	—	—	—	—	—	—	—	—	—
6H/6L	ø6	○	○	○	○	○	○	●	●	●	—	—	—	—	—
8H/8L	ø8	○	○	○	○	○	○	○	○	○	●	●	●	—	—
AH/AL	ø10	○	○	○	○	○	○	○	○	○	○	○	○	●	●
5H/5L	ø3/16	○	○	○	○	●	●	●	—	—	—	—	—	—	—
7H/7L	ø1/4	○	○	○	○	○	○	○	○	○	○	○	○	—	—
9H/9L	ø5/16	○	○	○	○	○	○	○	○	○	○	○	○	○	—
BH/BL	ø3/8	○	○	○	○	○	○	○	○	○	○	○	○	○	○

○: With piping on one side
●: With piping on both sides
—: Unrecommended piping

High-voltage power supply module

IZTP 42



Model

Symbol	Model
40	Standard type
41	AC type
42	Dual AC type

Controller

IZTC 40 - 3

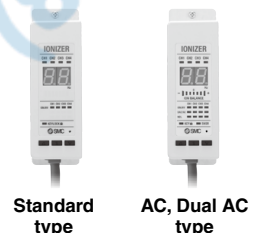
IZTC 41 - 3

Controller type

Symbol	Model
40	Standard type
41	AC, Dual AC type

Input/Output specifications

Symbol	Input/Output
Nil	NPN
P	PNP



Power supply cable length

Symbol	Length [m]	Symbol	Length [m]
3	3	15	15
5	5	N	None
10	10		

IZT40/41/42 Series

Made to Order

Symbol	Description	Specifications
-X10	Non-standard bar length	Manufacturable bar length (Symbol): 10 + 6 x n (n: Integer from 1 to 39) (For n = 1, 2, 4, 5, 6, 8, 9, 12, 17, 20, 25, 30, and 37, use a standard model.)

Bar + High-voltage power supply module + Controller

IZT 40 - 52

IZT 42 - 52

IZTB 40 - 52

D 1 6H R

D 1 6H R

D 1 6H R

-

-

-

F

F

F

-X10

-X10

-X10

Standard model no. ⇨ pages 17 and 18

Type

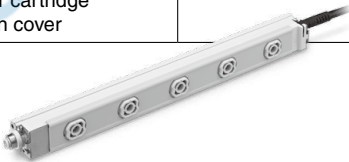
40
41*1
42

Bar length

Symbol	Bar length [mm]	Symbol	Bar length [mm]	Symbol	Bar length [mm]
28	280	124	1240	196	1960
52	520	136	1360	202	2020
70	700	142	1420	208	2080
76	760	148	1480	214	2140
88	880	154	1540	220	2200
94	940	166	1660	226	2260
100	1000	172	1720	238	2380
106	1060	178	1780	244	2440
118	1180	184	1840		

*1 Only bar is ordered, 41 cannot be selected.

Symbol	Description	Specifications
-X14	Model with emitter cartridge drop prevention cover	The main unit is shipped fitted with a drop prevention cover available as an option.



Bar + High-voltage power supply module + Controller

IZT 40 - 34

IZT 42 - 34

IZTB 40 - 34

D 1 6H R

D 1 6H R

D 1 6H R

-

-

-

F

F

F

-X14

-X14

-X14

Standard model no. ⇨ pages 17 and 18

Type

40
41*1
42

Bar length

Standard	Symbol	16	22	34	40	46	58	64	82	112	130	160	190	232	250
	Length [mm]	160	220	340	400	460	580	640	820	1120	1300	1600	1900	2320	2500
Non-standard	The bar of non-standard length is available. Refer to the how to order above.														

*1 Only bar is ordered, 41 cannot be selected.