

KURA VIET NAM CO.,LTD

GENERAL INDUSTRIAL EQUIPMENT



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Website: www.vinakura.com



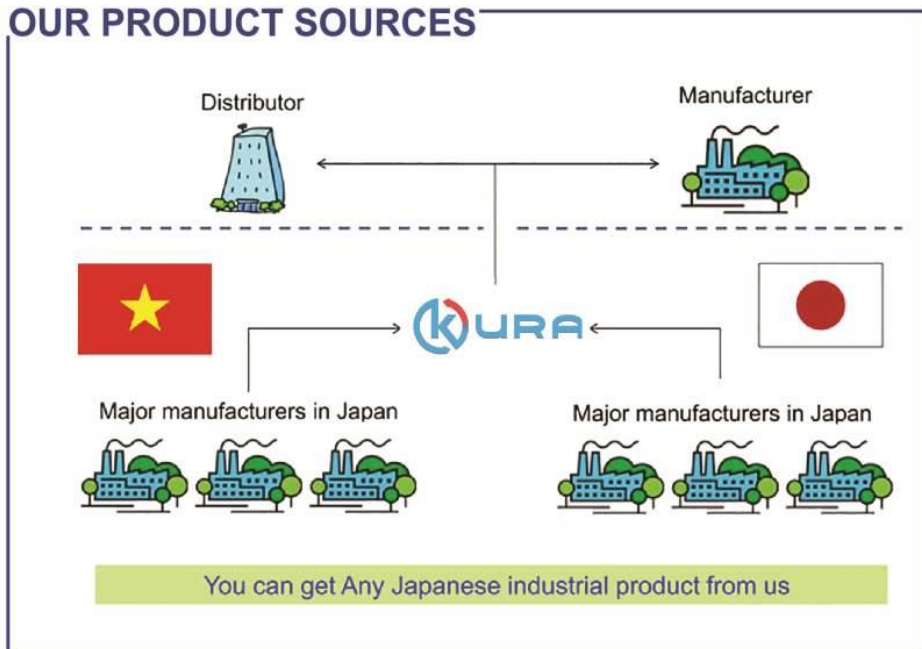
www.vinakura.com

► Over View

- **Company Name**
KURA VIET NAM CO., LTD.
- **Head Office**
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Hotline: 0916.977.666
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- **Warehouse and Factory**
131 Streets, Dac Tai, Mai Dinh, Soc Son, Ha Noi, Viet Nam (About 200m from Noibai Industrial Zone)
Tel: +84-24-3582.5555 / Fax: +84-24-3582.5566
Email: sales@vinakura.com
- **Type of Business**
Wholesaler, Exporter, Importer
- **Handling Items**
Measurement Equipment
Coupling, Hose...
Cutting Tools, Grinding Tools, Machine Tool Units,
Machine Tools, Shot Blasting machine, Hydraulic & Pneumatic Equipments,
Electric, Pneumatic, & Hand Tools,
Construction Machineries & Storage Equipments,
Environmental Equipments & Machines
FA Cooler, Chiller.
FA Equipments & Machines
- **Employee**
21 Persons (as of March.2016)
- **Our Main Bank**
VP Bank – Trung Hoa Nhan Chinh Branch
TP Bank – Pham Hung Branch

KURA VIET NAM CO.,LTD is one of leading companies specializing in industrial equipment in Vietnam. With a staff of experienced professional and enthusiastic, we confident as we can provide to customers with best service and best quality, we have devoted our energy to building a good business partnership with customers all over Vietnam. Currently, we have over 300 customers and are keeping on making effort to give as good services as possible through daily communications. Youth and desire to development of all people and experience is a invaluable treasure and a great asset which we are very proud of.

OUR PRODUCT SOURCES



From the beginning we special toward industrial equipment from Japan, Euro, Thailand, They are industrial countries with high-quality products. To expand business and provide our services based on the history and experience further, we are looking for customers all over Vietnam and Asean Community, who are interested in our items. If you find any items that interests you in our suppliers list and item list, please feel free to e-mail us. We hope that we will be able to build a good and lasting business partnership with you and do our best for your success in business.



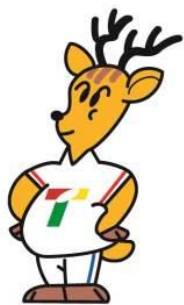
Tochu Thailand Co., Ltd.
TOCHU



Established on 18th January 1978, Tochu Thailand Co., Ltd. began as both a manufacturer and distributor of shot blasting machines, in addition to other industrial products such as dust equipment to eliminate both oil stains and air pollution. Originally the company also manufactured a variety of products for abrasive steel shot, aluminum shot, stainless steel shot and glass beads. Other business lines included surface cleaning, tank cleaning, painting and chromate conversion.



TOCHU



TOGAWA®

INDUSTRY CORPORATION

● Guide of JAPAN-MADE Plastic Hose Products

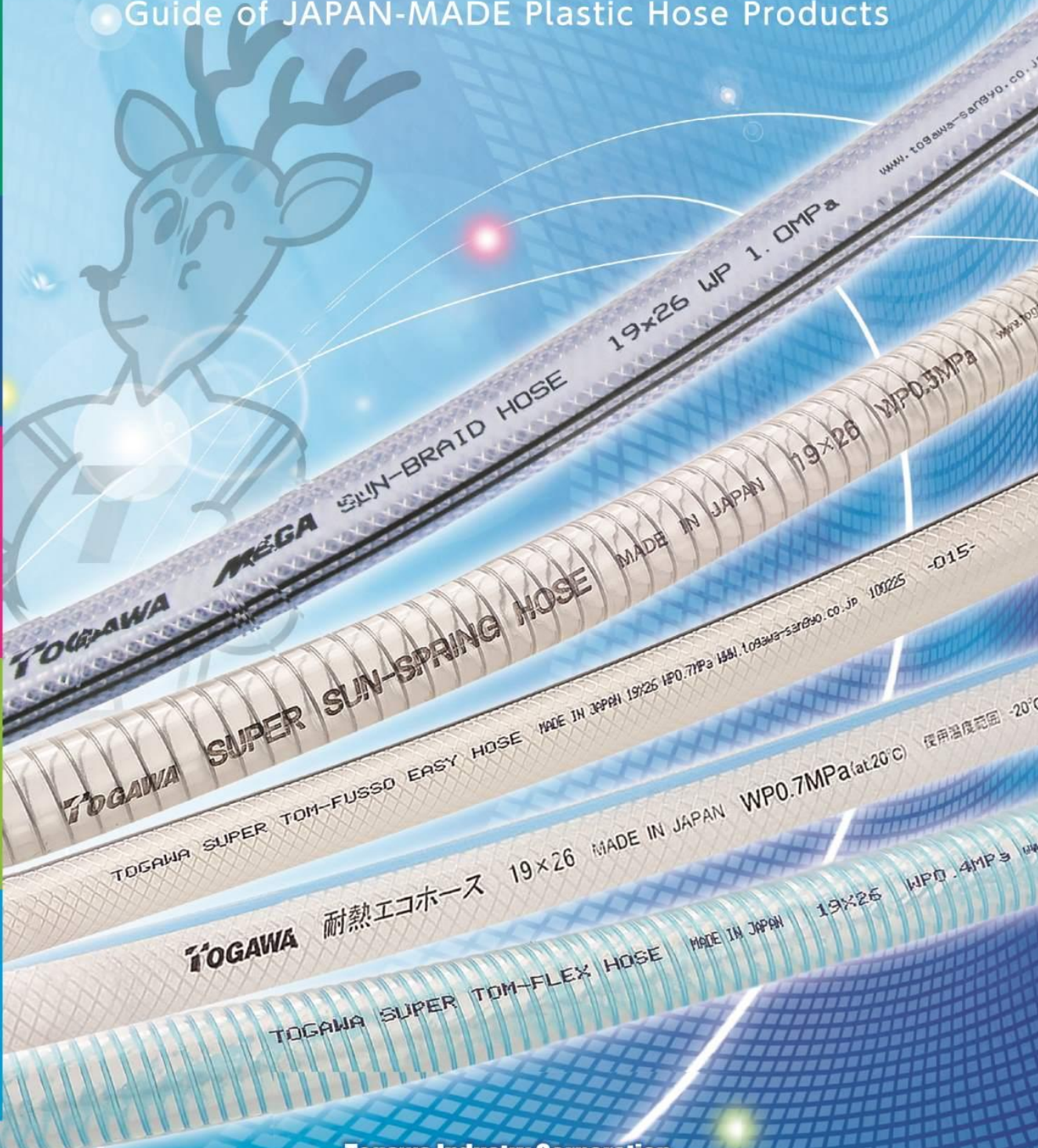
Industrial Hose

Air tool Hose

Painting Hose

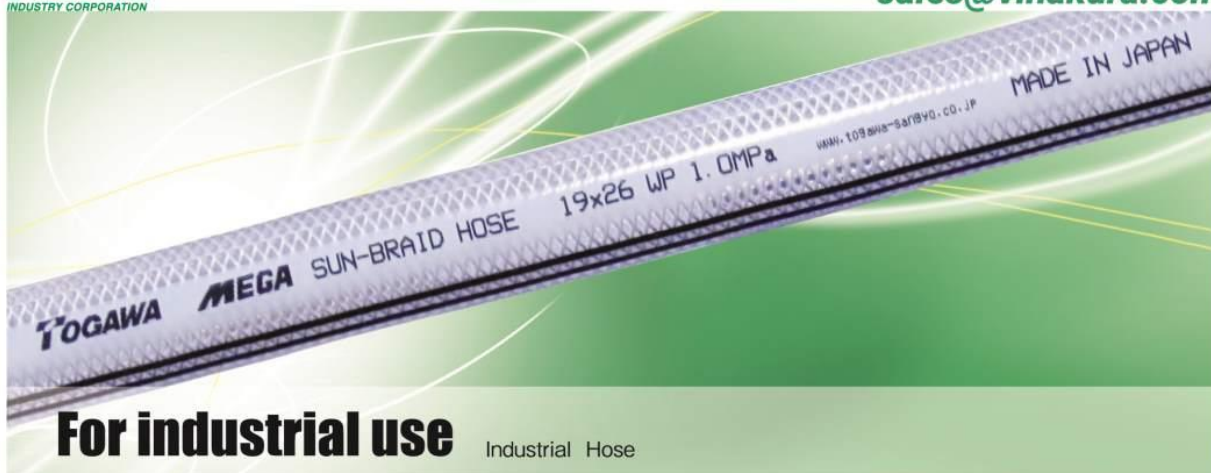
Food Hose

What's new



Togawa Industry Corporation

<http://www.togawa-sangyo.co.jp>



For industrial use

Industrial Hose

This series of hoses can be applied for piping of equipment at factories, installing with various machines (molding and printing machines), and various fluids such as cement fluids used for machine tools, drilling machines, and bridge construction works. Superior in flexibility, transparency, pressure resistance, negative pressure resistance, and oil resistance, this series of hoses are appropriate for industrial use.

MEGA Sun Braid Hose

Renewed design with white lines. Rubber-like touch of highly elastic resin. The fluids can be visually checked easily.



Flexible PVC product

Cut mark

Use For water supply of machines and factories, air piping, and water supply for engineering, and construction sites.

Features Highly elastic resin is used. The fluids can be visually checked easily.

Fluids Water Oil **Note: Cannot be used for fuel oil**

Specifications: Working temperature limit: Between -5°C and +60°C

Nominal designation	Inner diameter (mm)	Outer diameter (mm)	Regular size (m)	Maximum working pressure MPa at 20°C	Burst pressure MPa at 20°C	Minimum bending radius (mm)	Weight (kg/m)	Regular size weight (kg)
SB-4	4.0	9.0	100	1.5	8.5	16	0.070	7
SB-6	6.0	11.0	100	1.5	7.5	24	0.090	9
SB-8	8.0	13.5	100	1.4	5.5	32	0.120	12
SB-9	9.0	15.0	100	1.4	5.4	36	0.150	15
SB-10	10.0	16.0	100	1.1	5.0	40	0.160	16
SB-12	12.0	18.0	100	1.0	5.0	48	0.180	18 *
SB-15	15.0	22.0	100	1.0	4.0	60	0.260	26 *
SB-19	19.0	26.0	50	1.0	5.1	76	0.320	16 *
SB-22	22.0	29.0	50	1.0	4.6	88	0.360	18 *
SB-25	25.0	33.0	50	1.0	5.0	100	0.460	23 *
SB-32	32.0	41.0	50	0.7	3.0	128	0.660	33 *
SB-38	38.0	48.0	50	0.6	2.8	152	0.860	43 *
SB-50	50.0	62.0	40	0.6	2.4	200	1.375	55 *
SB-63	63.0	80.0	20	0.3	1.3	252	2.600	52 *
SB-75	75.0	92.0	20	0.3	1.3	300	3.000	60 *
SB-90	90.0	108.0	20	0.3	1.3	450	3.690	73.8
SB-100	100.0	115.0	20	0.3	1.3	500	3.890	77.8

* The white lines are available only for the products in which inner diameter is between 12 and 75, and are not applied for the products in which inner diameter is between 6 and 10, 90 and 100.

Super Sun Spring Hose

With hard steel wires put inside, this hose withstands to decompression, which is appropriate for vacuuming applications. Superior in transparency, this hose is appropriate for piping of operating oil.



Flexible PVC product

Cut mark

Use For water supply of machines and factories, air piping, and water supply for engineering, and construction sites.

Features With steel wires put inside, this hose can be used as a ground wire for conveying powders etc.

Fluids Water Oil Powders **Note: Cannot be used for fuel oil**

Specifications: Working temperature limit: Between -5°C and +60°C

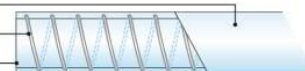
Nominal designation	Inner diameter (mm)	Outer diameter (mm)	Regular size (m)	Maximum working pressure MPa at 20°C	Burst pressure MPa at 20°C	Minimum bending radius (mm)	Weight (kg/m)	Regular size weight (kg)
SP-6	6.0	11.0	100	0.9	6.5	30	0.100	10
SP-8	8.0	13.5	100	0.9	5.5	40	0.140	14
SP-9	9.0	15.0	100	0.8	5.0	45	0.160	16
SP-12	12.0	18.0	100	0.7	4.5	60	0.230	23
SP-15	15.0	22.0	100	0.6	3.5	75	0.320	32
SP-19	19.0	26.0	50	0.5	3.0	95	0.440	22
SP-25	25.0	33.0	50	0.5	2.5	125	0.540	27
SP-32	32.0	41.0	40	0.4	2.0	160	0.775	31
SP-38	38.0	48.0	40	0.4	1.9	190	0.975	39
SP-50	50.0	62.0	40	0.3	1.3	250	1.475	59
SP-63	63.0	80.0	20	0.3	0.9	315	2.700	54
SP-75	75.0	92.0	20	0.3	0.9	375	3.150	63
SP-90	90.0	108.0	20	0.3	0.9	450	3.810	76.2
SP-100	100.0	118.0	20	0.3	0.9	500	4.200	84

[Structure]

Flexible PVC

Steel wire

Flexible PVC



Transparent Vinyl Tube

From small to large, variety of sizes are available to fit your usage.

Flexible PVC product



- Use** For piping at factories, sprinkling water for farmlands and gardening.
- Features** From small to large, variety of sizes are available to fit your usage.
- Fluids** Air Water

Specifications:

Working temperature limit: Between -5°C and +60°C

Nominal designation	Inner diameter (mm)	Regular size (m)	Packages (number of pieces)	Nominal designation	Inner diameter (mm)	Regular size (m)	Packages (number of pieces)
TV-3×5	3.0	200	Five drums/case	TV-12×15	12.0	50	"
TV-4×6	4.0	200	"	TV-12×16	12.0	50	Four drums/case
TV-5×7	5.0	200	"	TV-15×17	15.0	50	"
TV-5×8	5.0	200	"	TV-15×18	15.0	50	"
TV-6×8	6.0	200	"	TV-18×21	18.0	50	Three drums/case
TV-6×9	6.0	200	Four drums/case	TV-18×22	18.0	50	"
TV-6×10	6.0	100	Five drums/case	TV-19×23	19.0	50	"
TV-7×9	7.0	200	Four drums/case	TV-19×25	19.0	50	Rings
TV-7×10	7.0	100	Five drums/case	TV-22×26	22.0	50	"
TV-7×11	7.0	100	"	TV-25×29	25.0	50	"
TV-8×10	8.0	100	"	TV-25×30	25.0	50	"
TV-8×11	8.0	100	"	TV-25×31	25.0	50	"
TV-8×12	8.0	100	Four drums/case	TV-32×37	32.0	50	"
TV-9×11	9.0	100	Five drums/case	TV-32×38	32.0	50	"
TV-9×12	9.0	100	Four drums/case	TV-38×44	38.0	50	"
TV-9×13	9.0	100	"	TV-45×51	45.0	30	"
TV-10×12	10.0	100	"	TV-50×58	50.0	30	"
TV-10×13	10.0	100	"	TV-63×73	63.0	30	"
TV-10×14	10.0	50	Five drums/case	TV-75×86	75.0	30	"
TV-12×14	12.0	50	"	TV-90×104	90.0	20	"

Super Tom Fusso Tube

The super soft fusso tube with the excellent non-adhesive, low leachability and chemical resistance.

Inner fluorine resin product



- Use** For piping of paints, solvents, chemicals, drinking water and foods
- Features** Excellent solvent and chemical resistance and low leachability.
- Fluids** Paints Solvents Chemicals Various foods

Specifications: Working temperature limit: Between -40°C and +80°C

Nominal designation	Inner diameter (mm)	Outer diameter (mm)	Regular size (m)	Maximum working pressure MPa at 20°C	Minimum bending radius (mm)	Weight (kg/m)
FST-4	4.0	6.0	20×100	0.9	17	19
FST-6	6.0	9.0	20×100	0.7	26	41
FST-8	8.0	12.0	20×100	0.7	46	72

[Structure] Urethane resin

Fluorine resin



Features

- A multipurpose tube with excellent chemical resistance and low permeability against the organic solvent. Also has high transparency and flexibility.

Super Tom Fusso-easy Hose

The super soft fusso hose with a conductive resin line.

Inner fluorine resin product



- Use** For piping of paints, solvents, chemicals, drinking water and foods.
- Features** Excellent solvent and chemical resistance and low leachability.
- Fluids** Paints Solvents Chemicals Various foods

Specifications: Working temperature limit: Between -20°C and +60°C

Nominal designation	Inner diameter (mm)	Outer diameter (mm)	Regular size (m)	Maximum working pressure MPa at 20°C	Minimum bending radius (mm)	Weight (kg/m)	Regular size weight (kg)
FE-9	9.0	15.0	20	1.1	45	0.141	2.8
FE-12	12.0	18.0	20	1.0	60	0.177	3.5
FE-15	15.0	22.0	20	0.8	75	0.253	5.1
FE-19	19.0	26.0	20	0.7	95	0.308	6.2
FE-25	25.0	33.0	20	0.6	125	0.451	9.0

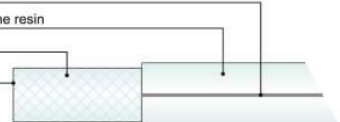
[EASY Structure]

Conductive resin line

Solvent resistant urethane resin

Polyester yarn

Fluororesin resin



Features

A versatile chemical hose is now available!

- As a conductive sleeve is applied around the outer layer, the grounding can be completed just by tightening the metallic joint (when the resistance value is $9 \times 10^6 \Omega$ or less, and the whole length is 15m or less).

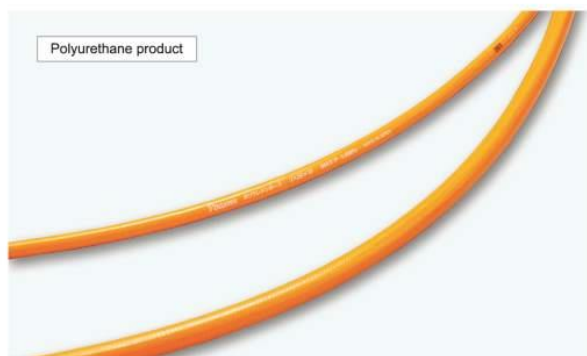


For Air Tools

A series of air hoses that support maximum working pressure of each application. The hoses can be used for various air tools, spray paint, and air piping at factories with a variety of different colors for color coding.

Polyurethane Hose (TPH)

Appropriate for air tools (air-tucker, pegger machine, and impact wrench), paint, spray, in-factory air tools.



Usege For air-paint, air-spray, and in-factory air tools

Features With flexibility and light weight, this hose is appropriate for construction sites.

Fluids  Air

Specifications: Working temperature limit: Between -40°C and +60°C

Nominal designation	Inner diameter (mm)	Outer diameter (mm)	Regular size (m)	Maximum working pressure MPa at 20°C	Burst pressure MPa at 20°C	Minimum bending radius (mm)	Weight (kg/m)	Regular size weight (kg)	Delivery unit	Color
TPH-6510	6.5	10.0	100	1.5	7.2	30	0.057	5.7	1	●●●
TPH-8512	8.5	12.5	100	1.5	7.6	40	0.083	8.3	1	●●●
TPH-1116	11.0	16.0	50	1.5	8.0	45	0.128	6.5	1	●

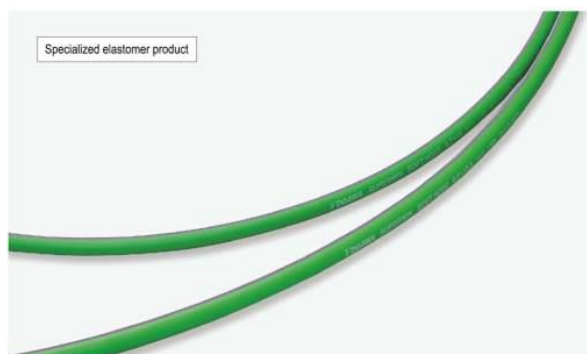
Performance evaluation

Descriptions	Evaluation	Descriptions	Evaluation
Lightness	☆☆☆☆	Smoothness	☆☆☆☆
Softness	☆☆☆☆	Spattering resistance	☆☆

* All the evaluations were made in-house
* Use our specified brackets

Super Win Soft Hose II

With further softness and smoothness, this hose is free from winding or hopping.



Usege For air-paint, air-spray, and in-factory air tools

Features With the increased smoothness, this hose is easy to carry and improves the workability. Superior in water resistance, elasticity, and airtightness, this hose is appropriate for air tool piping.

Fluids  Air

Specifications: Working temperature limit: Between -5°C and +60°C

Nominal designation	Inner diameter (mm)	Outer diameter (mm)	Regular size (m)	Maximum working pressure MPa at 20°C	Burst pressure MPa at 20°C	Minimum bending radius (mm)	Weight (kg/m)	Regular size weight (kg)
SWH-6510	6.5	10.0	100	1.5	6.0	20	0.058	5.8
SWH-8512	8.5	12.5	100	1.5	6.0	40	0.083	8.3

Performance evaluation

Descriptions	Evaluation	Descriptions	Evaluation
Lightness	☆☆☆☆	Smoothness	☆☆☆☆
Softness	☆☆☆☆	Spattering resistance	☆☆

* All the evaluations were made in-house
* Use our specified brackets



Super Tom Spatter Hose

Compared to conventional air hoses, this hose has greater resistance against sparks due to the inclusion of spark resistance substances, which is appropriate for using at welding sites and automobile service garages, etc.

Specialized elastomer product



Usege For air-paint, air-spray, and in-factory air tools

Features Compared to conventional urethane hoses, this hose has greater resistance against sparks due to the inclusion of spark resistance substances, which is appropriate for using at welding sites and automobile service garages, etc.

Fluids  Air

Specifications: Working temperature limit: Between -40°C and + 60°C

Nominal designation	Inner diameter (mm)	Outer diameter (mm)	Regular size (m)	Maximum working pressure MPa at 20°C	Burst pressure MPa at 20°C	Minimum bending radius (mm)	Weight (kg/m)	Regular size weight (kg)
STH-6510	6.5	10.0	100	1.5	7.2	30	0.057	5.7
STH-8512	8.5	12.5	100	1.5	7.6	40	0.083	8.3

Performance evaluation

Descriptions	Evaluation	Descriptions	Evaluation
Lightness	☆☆☆☆☆	Smoothness	☆☆☆☆☆
Softness	☆☆☆☆☆	Spattering resistance	☆☆☆☆☆

* All the evaluations were made in-house

* Use our specified brackets



With the specialized material containing spark resistance substances, this hose is appropriate for using at welding sites.

Air tool Hose

Takumi Air Reel

Air reel product



Usege

For air-paint, air-spray, and in-factory air tools.

Features

Reels with rotation function, you can choose the direction. Super flexible hose 'Takumi' Air Hose attached.

Fluids

 Air

Specifications: Working temperature limit: Between -5°C and + 60°C

Nominal designation	Hose size	Regular size (m)	Maximum working pressure MPa at 20°C	Regular size weight (kg)
Takumi Air Reel	6.5×10	30	1.5	8.0

Quattro Reel

Air reel product



Usege

For air-paint, air-spray, and in-factory air tools.

Features

Reels with rotation function, you can choose the direction. High pressure and super flexible hose Quattro Hose attached.

Fluids

 Air

Specifications: Working temperature limit: Between -5°C and + 60°C

Nominal designation	Hose size	Regular size (m)	Maximum working pressure MPa at 20°C	Regular size weight (kg)
Quattro Reel	6.0×10	30	4.0	8.3

Sun Tech Air Reel

Air reel product



Usege

For air-paint, air-spray, and in-factory air tools.

Features

Reels with rotation function, you can choose the direction. Sun Tech Air Hose attached. You can order the reel stand without a hose.

Fluids

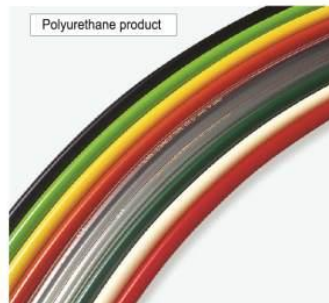
 Air

Specifications: Working temperature limit: Between -40°C and + 60°C

Nominal designation	Hose size	Regular size (m)	Maximum working pressure MPa at 20°C	Regular size weight (kg)
Sun Tech Air Reel	7.0×10	30	1.5	7.8

Connect Tube (CH)

Polyurethane product



Usege

A tube for various pneumatic machines

Features

Superior in oil resistance, this tube is appropriate for in-factory air piping.

Fluids

 Air

Specifications: Standard type:

Working temperature limit: Between -40°C and + 80°C

(Standard length: 100m)

Nominal designation	Outer diameter (mm)	Inner diameter (mm)	Maximum working pressure MPa at 20°C	Burst pressure MPa at 20°C	Minimum bending radius (mm)	Regular size (m)	Weight (kg/m)
CH-4 BK	4.0	2.5	0.7	3.0	10	100	0.009
CH-6 BK	6.0	4.0	0.7	3.5	15	100	0.019
CH-8 BK	8.0	5.0	0.7	3.5	24	100	0.037
CH-10 BK	10.0	6.5	0.7	3.0	30	50	0.054
CH-12 BK	12.0	8.0	0.7	3.0	36	50	0.075

Sun Tech Air Hose

A convenient and affordable air hose combined with a pair of couplers.
 The hose is available in a variety of different colors.

Polyurethane product



Useage	For air-paint, air-spray, and in-factory air tools
Features	A convenient and affordable air hose with a pair of couplers. Available in a variety of different colors as orange, green, and yellow.
Fluids	Air

Specifications: Working temperature limit: Between -40°C and +60°C

Nominal designation	Inner diameter (mm)	Outer diameter (mm)	Regular size (m)	Maximum working pressure MPa at 20°C	Burst pressure MPa at 20°C	Minimum bending radius (mm)	Brackets used	Delivery unit	Color
STC-7010	7.0	10.0	10	1.5	6.0	40	Two-touch coupler	10	
STC-7020	7.0	10.0	20	1.5	6.0	40		10	
STC-7030	7.0	10.0	30	1.5	6.0	40		10	
STC-7100	7.0	10.0	100	1.5	6.0	40	—	—	



Takumi Air Hose

Characterized by the extraordinary flexibility of the special resin. You may feel as if no hose is attached.

Specialized elastomer product



Useage	For air-paint, air-spray, and in-factory air tools
Features	Characterized by the extraordinary light weight with the aluminum couplers.
Fluids	Air

Specifications: Working temperature limit: Between -5°C and +60°C

Nominal designation	Inner diameter (mm)	Outer diameter (mm)	Regular size (m)	Maximum working pressure MPa at 20°C	Burst pressure MPa at 20°C	Minimum bending radius (mm)	Brackets used	Delivery Unit
TAC-6510	6.5	10.0	10	1.5	4.0	20	One-touch aluminum coupler	10
TAC-6520	6.5	10.0	20	1.5	4.0	20		10
TAC-6530	6.5	10.0	30	1.5	4.0	20		10
TAC-6100	6.5	10.0	100	1.5	4.0	20	—	—



Super flexible hose with light weight coupler!

This hose can be used in a wide variety of applications such as pegger machines, air-tuckers, and air-spray guns. This hose may be well praised even by professional skilled workers. The couplers, made of aluminum, are characterized by the light weight, resistance to damages, and increased removability and operability. In addition, the couplers are superior in versatility which can be used for a variety of applications ranging from in-factory air piping to hose connection with air tools.

Quattro Hose

The high pressure hose of super flexibility and smoothness which can support up to 4MPa maximum operating pressure.

Specialized elastomer product



Useage	For air tools (pegger machines and air-tuckers) and in-factory air tools.
Features	A high pressure hose that supports up to 4MPa maximum operating pressure and significantly shorten the work hours. With the new proprietary special material, this hose cannot get stuck or kinked easily.
Fluids	Air

Specifications: Working temperature limit: Between -5°C and +60°C

Nominal designation	Inner diameter (mm)	Outer diameter (mm)	Regular size (m)	Maximum working pressure MPa at 20°C	Burst pressure MPa at 20°C	Minimum bending radius (mm)	Brackets used	Delivery Unit
QHC-6010	6.0	10.0	10	4.0	16.0	18	One-touch aluminum coupler	10
QHC-6020	6.0	10.0	20	4.0	16.0	18		10
QHC-6030	6.0	10.0	30	4.0	16.0	18		10

Performance evaluation

Descriptions	Evaluation	Descriptions	Evaluation
Lightness	☆☆☆☆☆	Smoothness	☆☆☆☆☆
Softness	☆☆☆☆☆	Spattering resistance	☆☆☆☆☆

* All the evaluations were made in-house
 * Use our specified brackets

Connect Coil

With its spring characteristic, this coil won't get kinks easily, which is appropriate for air tools.

Polyurethane product



Screw type



Usage

For air-paint, air-spray, and in-factory air tools

Features

Because of a coil form, this product will cover broader working space with fewer kinks and wears. As the edges are straightened, no hoses are necessary, and the couplers will improve the workability.

Fluids

Air

Sun Tech Coil

Superior in robustness in addition to high flexibility, elasticity, and wear resistance.

Polyurethane product



Coupler type



Usage

For air-paint, air-spray, and in-factory air tools

Features

Because of a coil form, this product will cover broader working space with fewer kinks and wears. As the edges are straightened, no hoses are necessary, and the couplers will improve the workability.

Fluids

Air

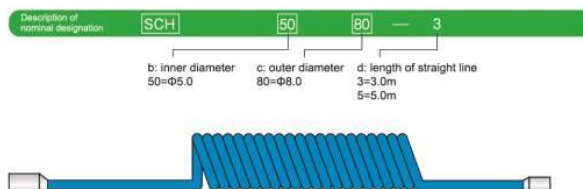
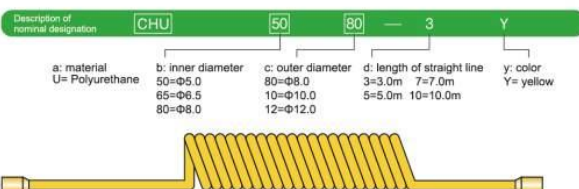
*This product is made in China.

Specifications: Working temperature limit: Between -40°C and + 80°C

Nominal designation	Inner diameter (mm)	Outer diameter (mm)	Working space (m)	Brackets of both ends	Maximum working pressure MPa at 20°C	Delivery Unit
CHU-5080-3	5.0	8.0	2.0	PF 1/4 Female connector	0.7	10
CHU-5080-5	5.0	8.0	4.0	PF 1/4 Female connector	0.7	10
CHU-5080-7	5.0	8.0	6.0	PF 1/4 Female connector	0.7	10
CHU-5080-10	5.0	8.0	8.0	PF 1/4 Female connector	0.7	10
CHU-6510-3	6.5	10.0	2.0	PF 1/4 Female connector	0.7	10
CHU-6510-5	6.5	10.0	4.0	PF 1/4 Female connector	0.7	10
CHU-6510-7	6.5	10.0	6.0	PF 1/4 Female connector	0.7	10
CHU-6510-10	6.5	10.0	8.0	PF 1/4 Female connector	0.7	10
CHU-8012-3	8.0	12.0	2.0	PF 1/4 Female connector	0.7	10
CHU-8012-5	8.0	12.0	4.0	PF 1/4 Female connector	0.7	10
CHU-8012-7	8.0	12.0	6.0	PF 1/4 Female connector	0.7	10
CHU-8012-10	8.0	12.0	8.0	PF 1/4 Female connector	0.7	10

Specifications: Working temperature limit: Between -40°C and + 80°C

Nominal designation	Inner diameter (mm)	Outer diameter (mm)	Working space (m)	Brackets of both ends	Maximum working pressure MPa at 20°C	Delivery Unit
SCH-5080-3	5.0	8.0	2.0	Two-touch coupler	0.7	10
SCH-5080-5	5.0	8.0	4.0	Two-touch coupler	0.7	10





Painting Hose

A wide variety of products are prepared in this series to support manual spray, spray robot and automatic spray machines. Each product in this series has following features: swelling property is improved; inner roughness is ultimately studied to shorten the setup time; and a ground connection is added for removing the static electricity.

FA Tube

Compared to conventional fluorine tube, the softness and smoothness of inner tube have been improved, attaining superior workability.



Inner fluorine resin product

Specifications: Working temperature limit: Between -20°C and + 60°C

Nominal designation	Inner diameter (mm)	Outer diameter (mm)	Regular size (m)	Maximum working pressure MPa at 20°C	Burst pressure MPa at 20°C
FA-06	4.0	6.0	100	1.2	7.8
FA-08	6.0	8.0	100	1.2	5.8
FA-10	8.0	10.0	100	1.2	5.2

An FA tube appropriate for paint robots!



FA tube has a laminated structure in which fluorine resin is used for the inner layer and polyamide resin for the outer layer. The significant superiority of inner roughness for the fluorine resin will help shortening the setup time for color change. Compared to conventional fluorine tubes, the polyamide resin for the outer layer is superior in softness, workability, and break resistance, and helps shortening the setup time for robots, and reduces downtimes.

Useage For piping of paints, solvents, and paint robots, and conveyance of foods and beverages.

Features Compared to conventional fluorine tubes, the retention power against burst pressure after bending the tube has been greatly upgraded.

Fluids Paints Solvents Various foods



Please note

- The hoses and tubes are significantly influenced by the ambient and fluid temperatures. Choose a hose which is appropriate for those conditions.
- Using hoses or tubes with less than the minimum bending radius may deteriorate the performance and shorten the product life time.
- Do not use these products in the maximum pressure limit for using with equipment that vibrates or gives impact.
- Before using hoses or tubes, never forget to check whether there are no kinks or twists.

* Refer to the safety notice on page 25 and 26 for more details.

Sun Paint Tube (P)

Superior in flexibility by using solvent resistant urethane resin for the outer layer. This tube is designed to improve the workability of painting processes.

Specifications: Working temperature limit: Between -20°C and + 60°C

Nominal designation	Inner diameter (mm)	Outer diameter (mm)	Regular size (m)	Maximum working pressure MPa at 20°C	Burst pressure MPa at 20°C	Minimum bending radius (mm)	Regular size weight (kg)
P-7	7.0	10.0	100	0.5	2.3	45	5.1



Polyamide/Polyurethane resin product

Usege Piping for paints and solvents

Features Reduces the load of workers.

Fluids Paints Solvents

[P Structure]



Sun Paint Hose (PB-easy)

With the use of polyamide resin, the solvent resistance is significantly improved compared to conventional painting hoses.

Specifications: Working temperature limit: Between -20°C and + 60°C

Nominal designation	Inner diameter (mm)	Outer diameter (mm)	Regular size (m)	Maximum working pressure MPa at 20°C	Burst pressure MPa at 20°C	Minimum bending radius (mm)	Regular size weight (kg)
PB-easy-7	6.5	10.0	100	1.5	7.2	35	5.7



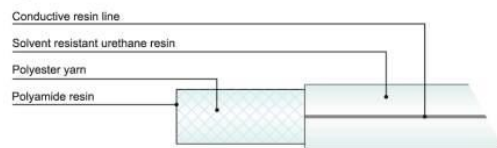
Polyamide/Polyurethane resin product

Usege For piping of paints and solvents

Features Superior in flexibility and pressure resistance, this hose will improve the workability.

Fluids Paints Solvents

[EASY Structure]



Features

A versatile painting hose is now available!

- As a conductive sleeve is applied around the outer layer, the grounding can be completed just by tightening the metallic joint (when the resistance value is "9 x 10⁶ W" or less, and the whole length is 15m or less).

Sun Paint Hose (PB-with a ground wire)

With the use of polyamide resin, the solvent resistance is significantly improved compared to conventional painting hoses.

Specifications: Working temperature limit: Between -20°C and + 60°C

Nominal designation	Inner diameter (mm)	Outer diameter (mm)	Regular size (m)	Maximum working pressure MPa at 20°C	Minimum bending radius (mm)	Regular size weight (kg)
PB-7	6.5	10.0	100	1.5	35	5.7



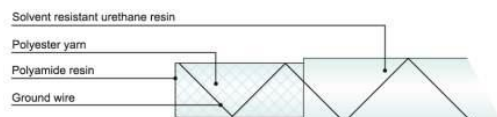
Polyamide/Polyurethane resin product

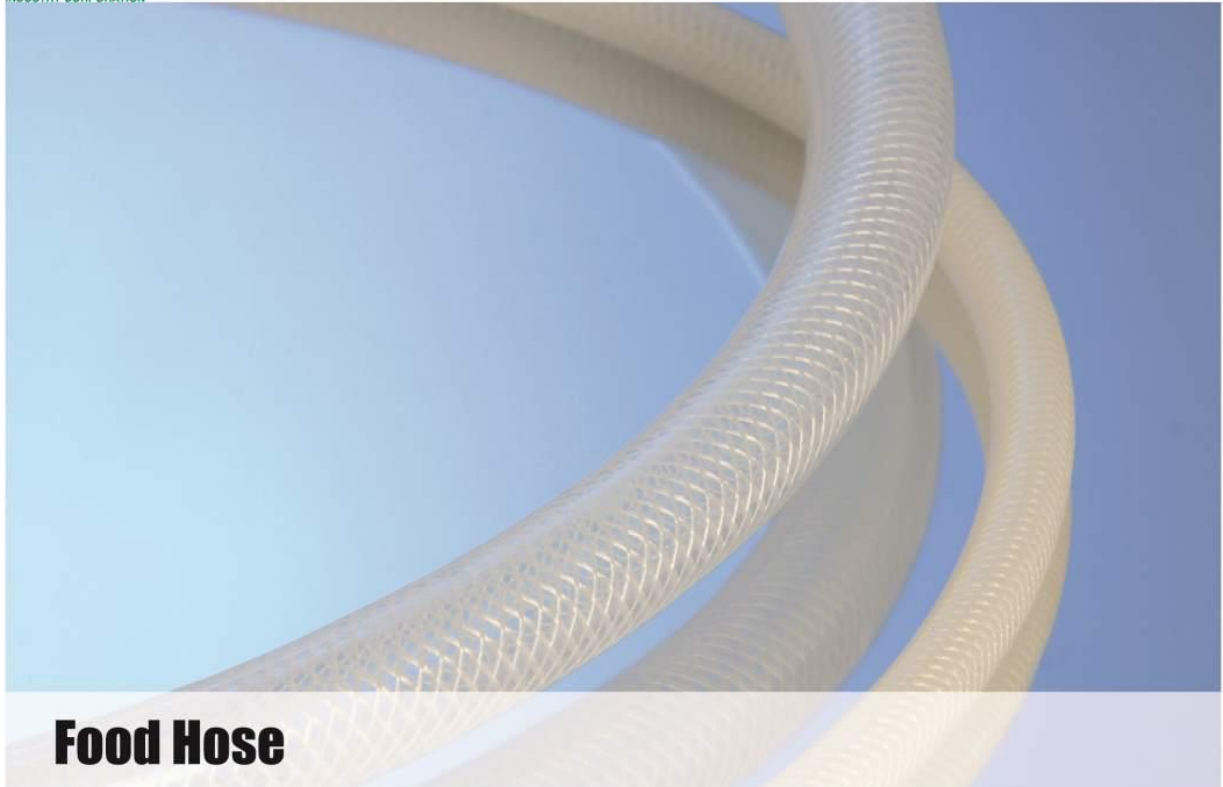
Usege For piping of paints and solvents

Features Superior in flexibility and pressure resistance, this hose will improve the workability.

Fluids Paints Solvents

[EASY Structure]





Food Hose

The food hoses that contain no substances which are suspected of having an environmental hormone or dioxin such as phthalate ester and nonyl phenol. Superior in heat and cold resistances, this series of hoses are harmless and safe.

Heat-Resistant Eco Hose

A non-PVC hose which can be used for fatty foods. It is also superior in chemical resistance.



Polyolefin product

Specifications: Working temperature limit: Between -20°C and + 80°C

Nominal designation	Inner diameter (mm)	Outer diameter (mm)	Regular size (m)	Maximum working pressure MPa at 20°C	Burst pressure MPa at 20°C	Weight (kg/m)	Regular size weight (kg)
TEH-12	12.0	18.0	60	1.0	48	0.13	7.8
TEH-15	15.0	22.0	60	0.8	60	0.19	11.4
TEH-19	19.0	26.0	50	0.7	76	0.23	11.5
TEH-25	25.0	33.0	40	0.6	100	0.34	13.6
TEH-32	32.0	41.0	40	0.5	128	0.48	19.2
TEH-38	38.0	48.0	40	0.4	152	0.62	24.8
TEH-50	50.0	62.0	40	0.3	200	0.97	38.8

* The sizes or colors other than listed above are available by a lot production. The burst pressure is estimated under the condition of 20°C.

Notes on the operating temperature and maximum working pressure

If you use this product out of the normal temperatures range, refer to the maximum working pressure fluctuations described in the graph of the pressure resistance data in the P.21, and use the hose in the condition below the specified value. In addition, if you use the hose in more than the maximum working pressure (in accordance with the operating temperature), please take care because it may cause a danger of bursting or significantly shorten the service time of the hose.

Useage Foods

Features A non-PVC hose which can be used for fatty foods. It is also superior in chemical resistance.

Fluids  Water  Various foods  Chemicals

Important notice on food hoses

Odor and taste

Odor and/or taste may be generated in some rare cases by the reaction between the hose and fluids (water, foods, or cleaning agents). Check the odor and taste before and after using the hose, as there may be great difference between persons.

Pure Foods Hose (JHP)

A PVC food hose conforming to JHP (PVC food sanitation association)

Flexible PVC product

Usage For conveyance of foods and beverages

Features A safe hose conforming to the JHP specifications (refer to P.17) without harmful substances contained.

Fluids  Foods and beverages

Specifications: Working temperature limit: Between -5°C and + 70°C

Nominal designation	Inner diameter (mm)	Outer diameter (mm)	Regular size (m)	Maximum working pressure MPa at 20°C	Burst pressure MPa at 20°C	Minimum bending radius (mm)	Weight (kg/m)	Regular size weight (kg)
PFH-12	12.0	18.0	50	1.0	5.0	48	0.18	9
PFH-15	15.0	22.0	50	0.8	4.8	60	0.26	13
PFH-19	19.0	26.0	50	0.7	3.8	76	0.32	16
PFH-25	25.0	33.0	50	0.6	3.0	100	0.46	23

* The sizes or colors other than listed above are available by a lot production. The burst pressure is estimated under the condition of 20°C.

What are JHP specifications
(self-imposed specifications of Japan Hygienic PVC Association) ?

Based on the food sanitation law, the specifications define the recommended materials, unintended materials for use, and the methods of material and dissolve tests. The display of JHP logo is allowed for the products approved by the association. Pure Foods Hose does not contain any phthalate acid, which is registered with the JHP specifications and allowed to display the logo.

Pure Foods Spring Hose (JHP)

A PVC food hose conforming to JHP (PVC food sanitation association)

Flexible PVC product

Usage For conveyance of foods and beverages

Features A safe hose conforming to the JHP specifications (refer to P.17) without harmful substances contained.

Fluids  Foods and beverages

Specifications: Working temperature limit: Between -5°C and + 70°C

Nominal designation	Inner diameter (mm)	Outer diameter (mm)	Regular size (m)	Maximum working pressure MPa at 20°C	Burst pressure MPa at 20°C	Minimum bending radius (mm)	Weight (kg/m)	Regular size weight (kg)
PFS-12	12.0	18.0	50	0.7	4.5	60	0.23	11.5
PFS-15	15.0	22.0	50	0.6	3.5	75	0.32	16
PFS-19	19.0	26.0	50	0.5	3.0	95	0.44	22
PFS-25	25.0	33.0	50	0.5	2.5	125	0.54	27

* The sizes or colors other than listed above are available by a lot production. The burst pressure is estimated under the condition of 20°C.

What are JHP specifications
(self-imposed specifications of Japan Hygienic PVC Association) ?

Based on the food sanitation law, the specifications define the recommended materials, unintended materials for use, and the methods of material and dissolve tests. The display of JHP logo is allowed for the products approved by the association. Pure Foods Spring Hose does not contain any phthalate acid, which is registered with the JHP specifications and allowed to display the logo.

Food Hose

Silicon Hose

This hose can be used in a wide range of temperature between -30°C and 150°C.

Silicon product

Usage For soft drinks, and high-and-low temperature equipment such as air-conditioners, transducers, and office automation devices.

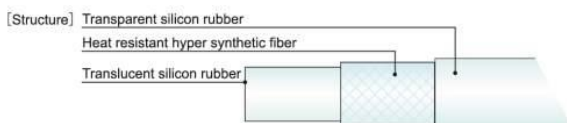
Features It can be used in a wide range of temperature between -30°C and +150°C.

Fluids  Water  Various foods  Chemicals

Specifications: Working temperature limit: Between -30°C and + 150°C

Nominal designation	Inner diameter (mm)	Outer diameter (mm)	Regular size (m)	Maximum working pressure MPa at 20°C	Burst pressure MPa at 20°C	Minimum bending radius (mm)	Weight (kg/m)	Regular size weight (kg)
SH-5	4.8	10.6	10	1.0	4.0	70	0.090	0.9
SH-6	6.3	12.3	10	1.0	4.0	80	0.120	1.2
SH-8	7.9	14.3	10	1.0	3.0	90	0.150	1.5
SH-9	9.5	16.5	10	1.0	3.0	100	0.160	1.6
SH-12	12.7	20.1	10	0.5	2.0	130	0.180	1.8
SH-15	15.9	24.1	10	0.5	2.0	150	0.260	2.6
SH-19	19.0	28.2	10	0.5	2.0	180	0.320	3.2
SH-25	25.4	35.6	10	0.5	2.0	300	0.360	3.6
SH-32	32.0	43.8	10	0.5	2.0	360	0.460	4.6
SH-38	38.1	50.7	10	0.5	2.0	430	0.660	6.6
SH-50	50.8	65.0	6	0.3	2.0	550	0.860	5.2

* The sizes or colors other than listed above are available by a lot production. The burst pressure is estimated under the condition of 20°C.



Japan market No.1 "TOGAWA" Brand Spray Hose

Very Light weight Long Life



NEW HIGH PRESSURE HOSE MADE IN JAPAN

Flexible PVC product

Special features by using at high pressure...

- ◆ Can sprinkle agrochemicals to all surfaces of farm products.
- ◆ Can supply liquid fertilizer with uniformly and density.
- ◆ Fog cooling effect will keep greenhouses at a suitable temperature.

Specifications: Working temperature limit : Between -5°C and + 60°C

Nominal designation	Inner diameter (mm)	Outer diameter (mm)	Regular size (m)	Maximum working pressure	Burst pressure	Weight (kg/m)	Regular size weight (kg)	Brackets
				MPa at 20°C	MPa at 20°C			
HP-8.5	8.5	14.5	50 • 100	4.0	14.0	0.14	14.0	ISO
HP-10	10.0	17.0	50 • 100	4.0	14.0	0.18	18.0	ISO

Use	Features	Fluids
For agricultural machines	Very flexible and easy to handle Very light weight	  Water Agrochemicals <small>Note: Cannot be used for fuel oil</small>

What's New



Debut as a new standard

Revolution of Pressure Hose!

High Pressure Resistance



Industrial Hose suitable for use with water supply of machines and factories, air piping, and water supply for engineering and construction sites.

MEGA SUN-BRAID HOSE

MADE IN JAPAN

Flexible PVC product

Pressure resistance of 4-25mm exceeded 1.0MPa!

Specifications: Working temperature limit: Between -5°C and + 60°C

Nominal designation	Inner diameter (mm)	Outer diameter (mm)	Regular size (m)	Maximum working pressure MPa at 20°C		Minimum bending radius (mm)	Weight (kg/m)	Regular size weight (kg)
				Previous product	MEGA SUN-BRAID HOSE			
SB-4	4.0	9.0	100	1.1	1.5	16	0.070	7
SB-6	6.0	11.0	100	1.1	1.5	24	0.090	9
SB-8	8.0	13.5	100	1.1	1.4	32	0.120	12
SB-9	9.0	15.0	100	1.1	1.4	36	0.150	15
SB-10	10.0	16.0	100	1.1	1.1	40	0.160	16
SB-12	12.0	18.0	100	1.0	1.0	48	0.180	18
SB-15	15.0	22.0	100	0.8	1.0	60	0.260	26
SB-19	19.0	26.0	50	0.7	1.0	76	0.320	16
SB-22	22.0	29.0	50	0.7	1.0	88	0.360	18
SB-25	25.0	33.0	50	0.6	1.0	100	0.460	23
SB-32	32.0	41.0	50	0.5	0.7	128	0.660	33
SB-38	38.0	48.0	50	0.4	0.6	152	0.860	43
SB-50	50.0	62.0	40	0.3	0.6	200	1.375	55
SB-63	63.0	80.0	20	0.3	0.3	252	2.600	52
SB-75	75.0	92.0	20	0.3	0.3	300	3.000	60

Use

For water supply of machines and factories, air piping, and water supply for engineering and construction sites.

Features

Highly elastic resin is used.
The fluids can be visually checked easily.

Fluids



Water



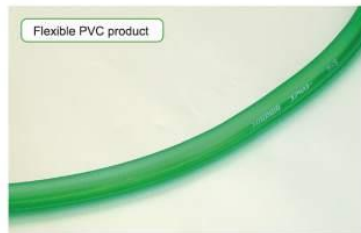
Oil

Note: Cannot be used for fuel oil

What's new

Family

Superior in softness, this hose is appropriate for sprinkling water for car washing, gardening, and farming works.



Specifications: Working temperature limit: Between -5°C and + 60°C

Nominal designation	Inner diameter (mm)	Outer diameter (mm)	Regular size (m)	Weight (kg/m)	Regular size weight (kg)	Packages
15	15.0	20.0	50	0.160	8	Three drums/ case
18	18.0	23.0	50	0.190	9.5	
19	19.0	25.0	50	0.246	12.3	
25	25.0	31.0	50	0.312	15.6	Rings
32	32.0	40.0	50	0.534	26.7	
38	38.0	48.0	50	0.802	40.1	

* The sizes or colors other than listed above are available by a lot production.

Usage

For sprinkling water for gardening and farming works

Features

Because of the transparency, the fluid in the hose can be visually checked with ease.

Fluid

Water

Golden Family

The top quality sprinkling hose used for a variety of applications such as car washing, gardening, and farming works.



Specifications: Working temperature limit: Between -5°C and + 60°C

Nominal designation	Inner diameter (mm)	Outer diameter (mm)	Regular size (m)	Maximum working pressure MPa at 20°C	Burst pressure MPa at 20°C	Minimum bending radius (mm)	Weight (kg/m)	Regular size weight (kg)	Packages
15	15.0	20.0	50	0.8	3.0	60	0.160	8	Three drums/ case
18	18.0	23.0	50	0.8	3.0	72	0.192	9.6	

* The sizes or colors other than listed above are available by a lot production.

Usage

For sprinkling water for gardening and farming works

Features

The hose reinforced with strings which withstand to pressures.

Fluid

Water

Public blue

The hose in vivid blue color, appropriate for sprinkling and car washing.



Specifications: Working temperature limit: Between -5°C and + 60°C

Nominal designation	Inner diameter (mm)	Outer diameter (mm)	Regular size (m)	Weight (kg/m)	Regular size weight (kg)	Packages
15	15.0	20.0	50	0.162	8.1	Three drums/ case
18	20.0	23.0	50	0.192	9.6	

* The sizes or colors other than listed above are available by a lot production.

Usage

For sprinkling water for gardening and farming works

Features

Characterized by the vivid blue color.

Fluid

Water

Super Soft

Top quality hose used for farming works, which disallows lights from transmitting to eliminate the generation of algae and the clogs in the hose.



Specifications: Working temperature limit: Between -5°C and + 60°C

Nominal designation	Inner diameter (mm)	Outer diameter (mm)	Regular size (m)	Weight (kg/m)	Regular size weight (kg)	Packages
15	15.0	20.0	50	0.160	8	Three drums/ case
18	18.0	24.0	50	0.240	12	
19	19.0	25.0	50	0.250	12.5	
25	25.0	31.0	50	0.318	15.9	Rings

* The sizes or colors other than listed above are available by a lot production.

Usage

For sprinkling water for gardening and farming works

Features

Stripes are applied across the hose body for further smoothness, which may improve the workability.

Fluid

Water

Algae Protective Golden Soft

Blocking the lights from transmitting, which eliminates the generation of algae and clogs (with pressure resistant yarn).



Specifications: Working temperature limit: Between -5°C and + 60°C

Nominal designation	Inner diameter (mm)	Outer diameter (mm)	Regular size (m)	Maximum working pressure MPa at 20°C	Burst pressure MPa at 20°C	Minimum bending radius (mm)	Weight (kg/m)	Regular size weight (kg)	Packages
15	15.0	20.0	50	0.8	3.0	60	0.160	8	Three drums/ case
18	18.0	23.0	50	0.8	3.0	72	0.192	9.6	
19	19.0	25.0	50	0.5	2.5	76	0.260	13	Rings
25	25.0	31.0	50	0.5	2.4	100	0.310	15.5	

*The sizes or colors other than listed above are available by a lot production.

* The product names for the nominal designation 19 and 25 are indicated as "Golden Soft."

Usage

For sprinkling water for gardening and farming works

Features

Superior in algae protection, which helps eliminating clogs in the hose.

Fluid

Water

Algae Protective New Soft

Blocking the lights from transmitting and eliminating the generation of algae and clogs of the hose.



Specifications: Working temperature limit: Between -5°C and + 60°C

Nominal designation	Inner diameter (mm)	Outer diameter (mm)	Regular size (m)	Weight (kg/m)	Regular size weight (kg)	Packages
15	15.0	20.0	50	0.160	8	Three drums/ case
18	18.0	23.0	50	0.200	10	
19	19.0	25.0	50	0.250	12.5	
25	25.0	31.0	50	0.318	15.9	Rings

* The sizes or colors other than listed above are available by a lot production.

* The product names for the nominal designation 19 and 25 are indicated as "New Soft."

Usage

For sprinkling water for gardening and farming works

Features

Superior in algae prevention, which helps eliminating the clogs in the hose.

Fluid

Water



A light weight colorful hose, which is appropriate for sprinkling at home.

Oil Resistant Tube

This hose is appropriate for secondary fuel piping such as agricultural machines etc.

Flexible PVC product



Usage

For agricultural machines

Features

Appropriate for secondary fuel piping such as agricultural machines etc.

Fluid



Specifications: Working temperature limit: Between -5°C and +60°C

Nominal designation	Inner diameter (mm)	Outer diameter (mm)	Regular size (m)	Weight (kg/m)	Regular size weight (kg)	Packages
TF-3	3.0	6.0	40	0.028	1.12	Six paper drums/ case
TF-4	4.0	7.0	40	0.033	1.32	
TF-5	5.0	8.0	40	0.040	1.60	
TF-6	6.0	9.0	20	0.047	0.94	
TF-7	7.0	11.0	20	0.075	1.50	
TF-9	9.0	13.0	15	0.090	1.35	
TF-12	12.0	16.0	10	0.115	1.15	

* As this product is not conforming to the flexible PVC tube for automobiles (JASO), please take care for using such purpose.

Water Absorption Tube and Effluent Tube

These tubes are appropriate for piping of water absorption and effluent water for set motive power atomizer, high pressure washer, and engine pumps.

Flexible PVC product



Usage

For agricultural machines

Features

Compared to rubber made absorption and effluent tubes, this hose is lighter and superior in workability.

Fluid



Absorption tube (red):

Specifications: Working temperature limit: Between -5°C and +60°C

Nominal designation	Inner diameter (mm)	Outer diameter (mm)	Regular size (m)	Maximum working pressure	Burst pressure	Minimum bending radius (mm)	Weight (kg/m)	Regular size weight (kg)	Packages
				MPa at 20°C	MPa at 20°C				
13	13.0	21.0	60	1.0	4.7	70	0.243	14.6	Rings
16	16.0	25.0	60	1.0	4.6	80	0.320	19.2	
19	19.0	28.0	60	1.0	4.4	100	0.367	22	
25	25.0	35.0	60	1.0	4.2	125	0.520	31.2	

Effluent tube (red): Specifications: Working temperature limit: Between -5°C and +60°C

Nominal designation	Inner diameter (mm)	Outer diameter (mm)	Regular size (m)	Maximum working pressure MPa at 20°C	Burst pressure MPa at 20°C	Minimum bending radius (mm)	Weight (kg/m)	Regular size weight (kg)	Packages
13	13.0	19.0	60	1.0	4.0	70	0.167	10	Rings
19	19.0	26.0	60	1.0	3.6	100	0.273	16.4	

New High Pressure Hose

With the high grade pvc used, new type of hose eliminates winding and sticking.

Flexible PVC product



Usage

For agricultural machines

Features

Very flexible and easy to handle
Very light Weight

Fluid



Specifications: Working temperature limit: Between -5°C and +60°C

Nominal designation	Inner diameter (mm)	Outer diameter (mm)	Regular size (m)	Maximum working pressure MPa at 20°C	Burst pressure MPa at 20°C	Weight (kg/m)	Regular size weight (kg)	Brackets
8.5	8.5	14.5	50-100	4.0	14.0	0.14	14.0	ISO
10	10.0	17.0	50-100	4.0	14.0	0.18	18.0	

Eco-Flat Hose

Further lighter than conventional Sun Hose, this hose is appropriate for submerged pumps for agricultural purpose or home use.

EVA-product



Usage

For agricultural machines

Features

Appropriate for submerged pumps for agricultural purpose or home use.

Fluid



Specifications: Working temperature limit: Between -5°C and +60°C

Nominal designation	Inner diameter (mm)	Regular size (m)	Wall thickness (mm)	Maximum working pressure MPa at 20°C	Weight (kg/m)
ECO-25	27.0	10-20-30-50-100	1.2	1.0	0.095
ECO-32	33.5	10-20-30-50-100	1.2	1.0	0.120
ECO-40	41.5	10-20-30-50-100	1.2	0.8	0.145
ECO-50	53.0	10-20-30-50-100	1.2	0.7	0.180



Cut marks are added for further convenience.



Pest control machines

Our products will help you utilizing the leading-edge technologies in various agricultural fields.

Raising seedling materials

Automatic irrigation

Fertilizing machine

Sprinkler system

Crop production

Greenhouse

Soil disinfection

Main advantages when used in greenhouses

High pressure atomization

Water

Agrichemicals

Cooling effect

Humidification effect

Humidity retention control

Hypophyllous pest control

Improvement of dispersion



Ceiling-hung atomization system

<http://www.daisen-coupling.jp>

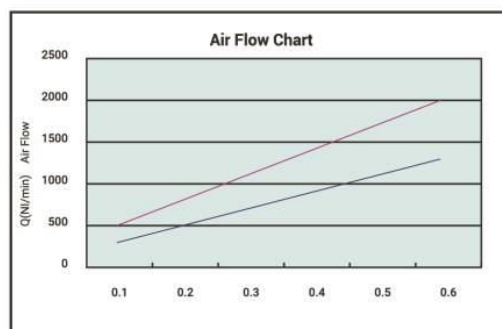
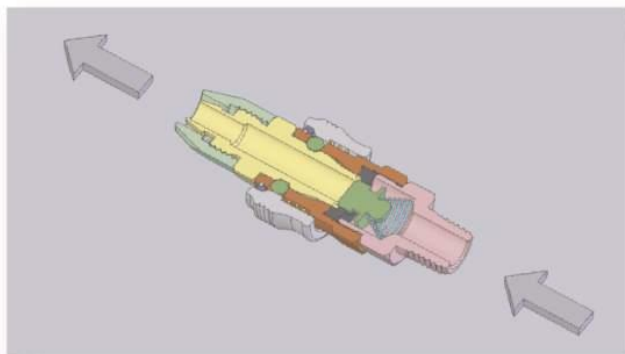


DS DAISEN®

Standard Air Coupling

Interchange with Japanese standard plug


Can be used for general air coupling at the factory or use with air tools.
Rotary (swivel) type is available as standard.
Stainless made available.



Body Material	Steel , Stainless(20 series only)
Max. Pressure	1.5 MPa
Burst Pressure	2.0 MPa
Sealing material	NBR (Viton is available upon request)
Temperature range in use	~20°C ~ +80°C

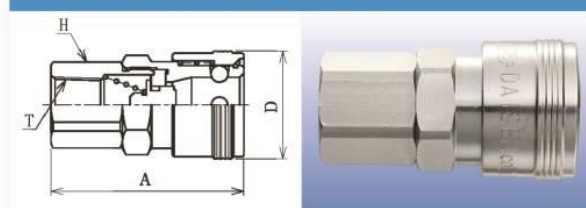
Standard Socket

Male thread socket




BoreSize	Model	Thread	A	∅D	∅F	H	Weight(g)
20 TYPE	22-DSM	R1/4	50	25	7.5	19	76
	23-DSM	R3/8	50	25	8	19	86
	24-DSM	R1/2	51.5	25	13	21	91
	44-DSM	R1/2	63	36	14	29	209
40 TYPE	46-DSM	R3/4	67	36	16	29	234
	48-DSM	R1	72	36	16	36	335

Female Thread Socket



BoreSize	Model	Thread	A	∅D	H	Weight(g)
20 TYPE	22-DSF	Rc1/4	46	25	19	81
	23-DSF	Rc3/8	50.5	25	21	93
	24-DSF	Rc1/2	51	25	26	112
	44-DSF	Rc1/2	57	36	29	217
40 TYPE	46-DSF	Rc3/4	61	36	32	231
	48-DSF	Rc1	68	36	41	323

Barb (hose) connection Socket



BoreSize	Model	Hose ID	A	∅C	∅D	∅F	H	Weight(g)
20 TYPE	22-DSH	1/4	67	9	25	5	19	78
	23-DSH	3/8	71	11.3	25	7.5	19	81
	24-DSH	1/2	71	15	25	9	19	94
	44-DSH	1/2	83	15	36	9	29	219
40 TYPE	46-DSH	3/4	92	21	36	14	29	244
	48-DSH	1	102	29	36	16	29	324

Nut Connection (For polyurethane Hose) Socket

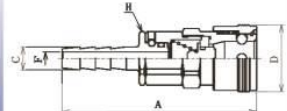


BoreSize	Model	Hose Size	A	∅D	∅F	H1	H2	Weight(g)
20 TYPE	50-DSC	5.0x8.0	51	25	4	19	14	82
	65-DSC	6.5x10.0	53	25	5.7	19	16	86
	70-DSC	7.0x10.5	53	25	5.7	19	16	86
	80-DSC	8.0x12.0	56	25	6.5	19	19	100
40 TYPE	85-DSC	8.5x12.5	56	25	6.5	19	19	100
	110-DSC	11.0x16.0	61	25	9.5	21	23	131

Standard Air Coupling

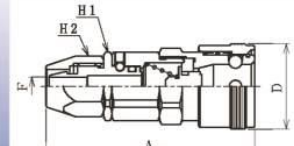
Interchange with Japanese standard plug

Bar (hose) connection Socket with Rotary function



Model	Hose ID	A	∅C	∅D	∅F	H	Weight(g)
22-DSM	1/4	68	9	25	5	19	93
23-DSM	3/8	68	11.3	25	7.5	19	93
24-DSM	1/2	71	15	25	9	19	105

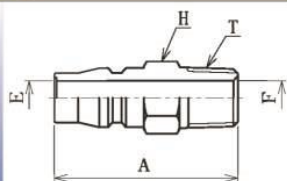
Nut Connection Socket (For polyurethane Hose) With Rotary function



Model	Hose Size	A	∅D	∅F	H1	H2	Weight(g)
50-SRB	5.0x8.0	61	25	4	19	14	100
65-SRB	6.5x10.0	63	25	5.7	19	16	104
70-SRB	7.0x10.5	63	25	5.7	19	16	104
80-SRB	8.0x12.0	66	25	6.5	19	19	118
85-SRB	8.5x12.5	66	25	6.5	19	19	118
110-SRB	11.0x16.0	75.5	25	9.5	21	23	160

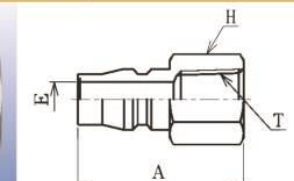
Standard Plug

Male Thread Plug



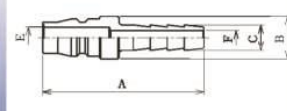
Model	Thread	A	∅E	∅F	H	Weight(g)
21-DPM	R1/8	37	7.5	5	14	22
22-DPM	R1/4	41	7.5	7.5	14	26
23-DPM	R3/8	42	7.5	8	19	39
24-DPM	R1/2	42.5	7.5	13	21	49
44-DPM	R1/2	50	13	13	22	68
46-DPM	R3/4	55	13	19	29	103
48-DPM	R1	63	13	22	36	199

Female Thread Plug



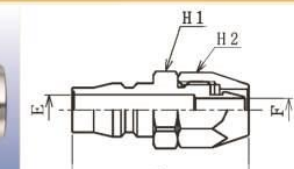
Model	Thread	A	∅E	H	Weight(g)
21-DPF	Rc1/8	32	7.5	14	20
22-DPF	Rc1/4	36	7.5	17	29
22-DPFF	G1/4	31	7.5	17	22
23-DPF	Rc3/8	37.5	7.5	21	40
23-DPF	Rc1/2	39	7.5	26	57
44-DPF	Rc1/2	41	13	27	68
46-DPF	Rc3/4	45	13	32	97
48-DPF	Rc1	54	13	41	199

Barb (hose) connection Socket



Model	Thread	A	∅D	∅C	∅E	∅F	Weight(g)
21-DPH	1/8	46	14	7.5	7.5	4.2	20
22-DPH	1/4	57	16	9	7.5	5	28
23-DPH	3/8	61	16	11.3	7.5	7.5	32
24-DPH	1/2	65	18	15	7.5	9	51
44-DPH	1/2	66	22	15	13	9	64
46-DPH	3/4	67	25	21	13	13	106
48-DPH	1	84	32	27	13	20	149

Nut Connection (For polyurethane Hose) Socket

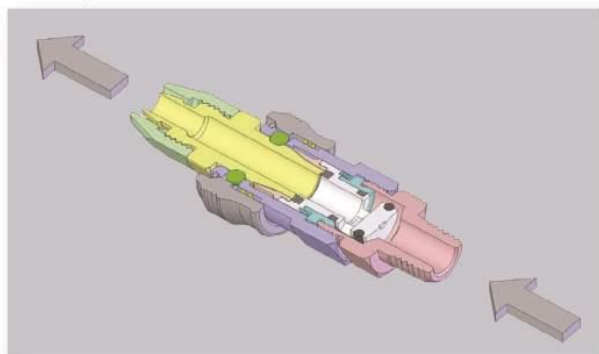


Model	Hose Size	A	∅E	∅F	H1	H2	Weight(g)
50-DPC	5.0x8.0	41	7.5	4	17	14	33
65-DPC	6.5x10.0	43.5	7.5	5.7	17	16	40
70-DPC	7.0x10.5	43.5	7.5	5.7	17	16	40
80-DPC	8.0x12.0	46	7.5	6.5	19	19	59
85-DPC	8.5x12.5	46	7.5	6.5	19	19	59
110-DPC	11.0x16.0	54	7.5	9.5	24	23	100

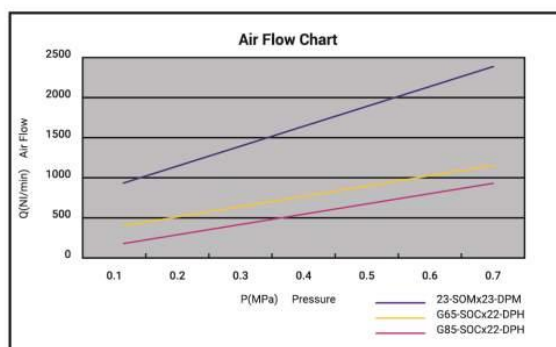
One Touch Connection Air Coupling

One-touch Coupling

A wide variety of pneumatic one-touch connection Coupling for general pneumatic applications. Locking types and Swivel types are available on several models for added safety and ergonomics. The rubber covered sleeve type is available. It will not scratch painted or finished products surfaces on the production line.

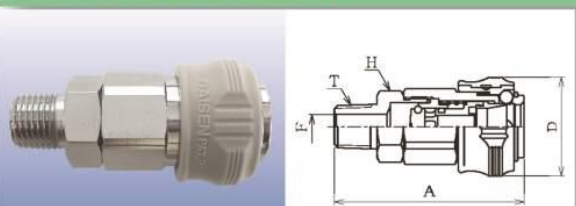


Body Material	Steel
Max. Pressure	1.5 MPa
Burst Pressure	2.0 MPa
Sealing material	NBR
Temperature range in use	~20°C ~ +80°C



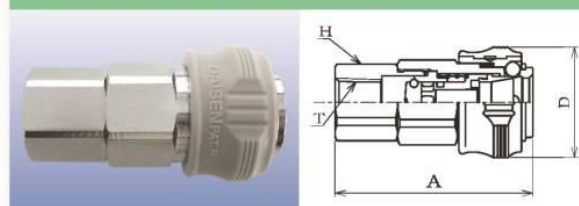
One touch Socket with Rubber Covered Sleeve

Male Thread Socket



Model	Thread	A	∅D	∅F	H	Weight(g)
G22-SOM	R1/4	58	30	7.5	19	85
G23-SOM	R3/8	59	30	8	19	95
G24-SOM	R1/2	59	30	13	21	100

Female Thread Socket



Model	Thread	A	∅D	H	Weight(g)
G22-SOF	Rc1/4	54	30	19	90
G23-SOF	Rc3/8	58	30	21	102
G24-SOF	Rc1/2	59	30	26	121

Barb (hose) connection Socket



Model	Hose ID	A	∅C	∅D	∅F	H	Weight(g)
G22-SOH	1/4	75	9	30	5	19	87
G23-SOH	3/8	79	11.3	30	7.5	21	91
G24-SOH	1/2	79	15	30	9	26	103

Nut Connection (For polyurethane Hose) Socket

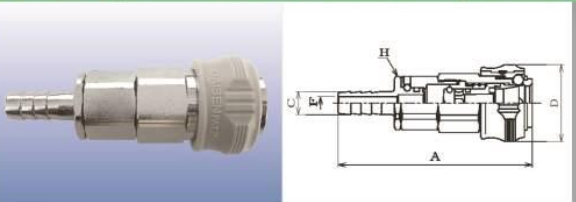


Model	Hose Size	A	∅D	∅F	H1	H2	Weight(g)
G50-SOC	5.0x8.0	29	30	4	19	14	90
G65-SOC	6.5x10.0	61	30	5.7	19	16	94
G70-SOC	7.0x10.5	61	30	5.7	19	19	94
G80-SOC	8.0x12.0	61	30	6.5	19	19	108
G85-SOC	8.5x12.5	64	30	6.5	19	19	108
G110-SOC	11.0x16.0	69	30	9.5	21	23	139

One Touch Connection Air Coupling

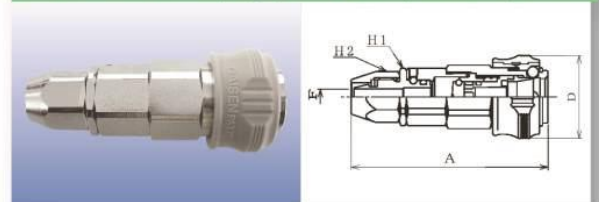
One-touch Coupling

Bar (hose) connection Socket with Rotary function



Model	Hose ID	A	C	∅D	∅F	H	Weight(g)
G22-SOHR	1/4	76	9	30	5	19	102
G23-SOHR	3/8	76	11.3	30	7.5	19	102
G24-SOHR	1/2	79	15	30	9	19	113

Nut Connection Socket (For polyurethane Hose) With Rotary function

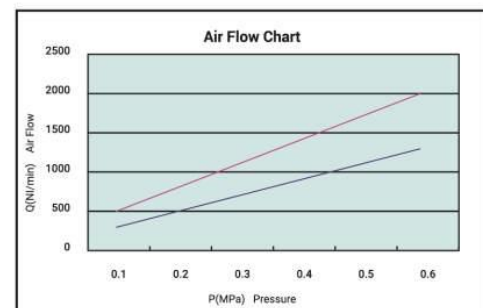


Model	Hose Size	A	∅D	∅F	H1	H2	Weight(g)
G50-SOL	5.0x8.0	69	30	4	19	14	108
G65-SOL	6.5x10.0	71	30	5.7	19	16	112
G70-SOL	7.0x10.5	71	30	5.7	19	16	112
G80-SOL	8.0x12.0	74	30	6.5	19	19	126
G85-SOL	8.5x12.5	74	30	6.5	19	19	126
G110-SOL	11.0x16.0	83	30	9.5	21	23	168

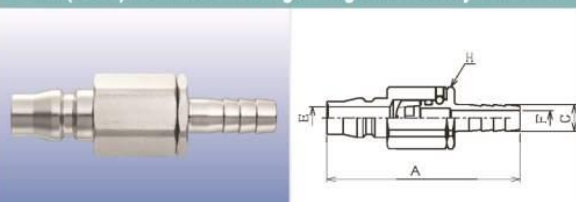
Purge Plug with Rotary Function

The Purge plug series is a universal, pneumatic coupling suitable for a variety of applications. The purge Safety function minimizes the risk of sudden component separation, reduce noise, and prevent hose whip accidents.

Body Material	Steel
Max. Pressure	1.5 MPa
Burst Pressure	2.0 MPa
Sealing material	NBR
Temperature range in use	~20°C ~ +80°C

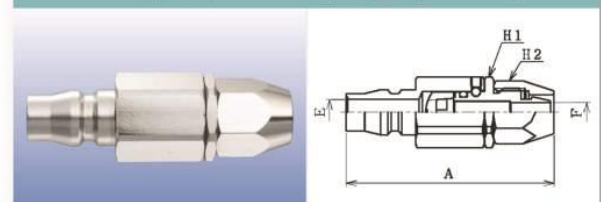


Barb (hose) connection Purge Plug with Rotary Function



Model	Hose ID	A	C	E	F	H	Weight(g)
22-DPH-P	1/4	65	9	7.5	5	19	58
23-DPH-P	3/8	65	11.3	7.5	7.5	19	58
24-DPH-P	1/2	68	15	7.5	9	19	68

Nut Connection (For polyurethane Hose) Purge Plug with Rotary Function

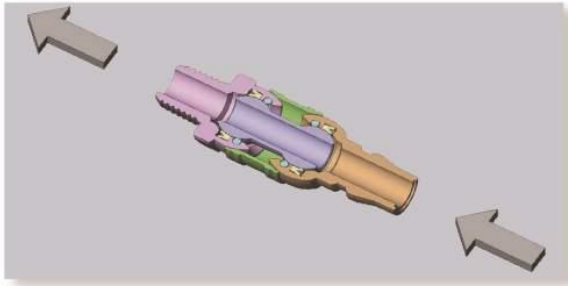


Model	Hose Size	A	∅E	∅F	H1	H2	Weight(g)
50-PRB-P	5.0x8.0	58	7.5	4	19	14	64
65-PRB-P	6.5x10.0	60	7.5	5.7	19	16	69
70-PRB-P	7.0x10.5	60	7.5	5.7	19	16	69
80-PRB-P	8.0x12.0	63	7.5	6.5	19	19	83
85-PRB-P	8.5x12.5	63	7.5	6.5	19	19	83
110-PRB	11.0x16.0	72.5	7.5	9.5	23	23	123

Free Angle Series Fitting

Free Motion Series

PAT. U.S.A. Canada, EU and China



Body Material	Steel / Aluminum
Max. Pressure	1.5 MPa / 1.0 MPa
Burst Pressure	2.0 MPa / 1.5 MPa
Sealing material	NBR
Temperature range in use	-20°C ~ +60°C

This unique fitting design was developed primarily for air tools in assembly line applications. Operators of these tools run an increased risk of cumulative trauma disorders (CTD's) due to repetitive motion, vibration and pressure from the weight of the tool and supply hose.

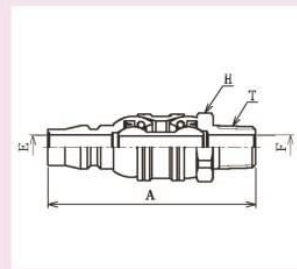
- 360 deg. circular rotation and 45 deg. angled rotation.
- Helps alleviate carpal tunnel syndrome and back stress resulting in fewer lost-time injuries.
- Lightweight, streamlined design protects against finished surface mutilation.
- Two rotation points prevent kinking of the supply line.
- Nickel-plated steel construction for long service life.
- Steel dust cover protects rotating joint.
- Thread sealant is supplied on all male fittings.

Free Angle Plug type



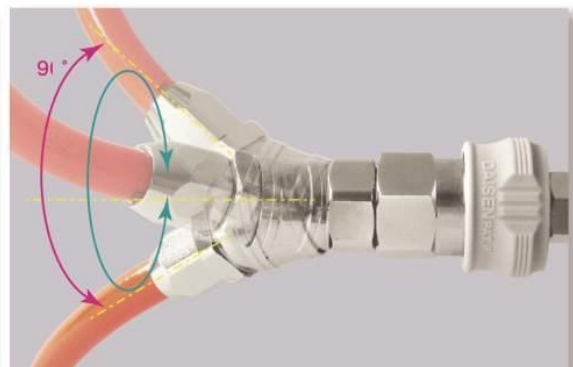
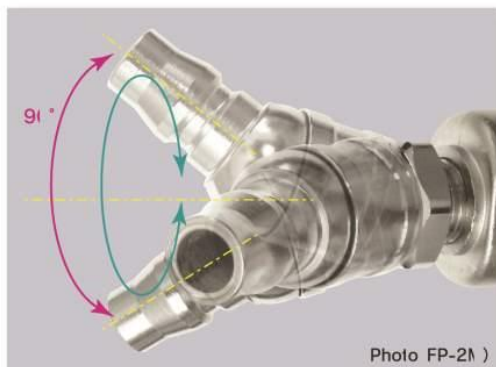
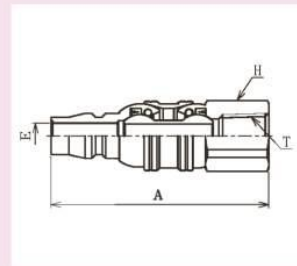
Male Thread Plug

Model	Thread	A	∠ E	∠ F	H	Weight(g)
FP-2M	R1/4	63	7.5	7.5	19	59
FP-3M	R3/8	64	7.5	8	19	63



Female Thread Plug

Model	Thread	A	∠ E	H	Weight(g)
FP-2F	Rc1/4	64	7.5	19	71
FP-2FF	G1/4	64	7.5	19	65
FP-3F	Rc3/8	64	7.5	21	72



ETL CE RoHS CCC ICR ANAB
ISO 9001, ISO 14001

PORTABLE AIR CONDITIONER & HEATERS

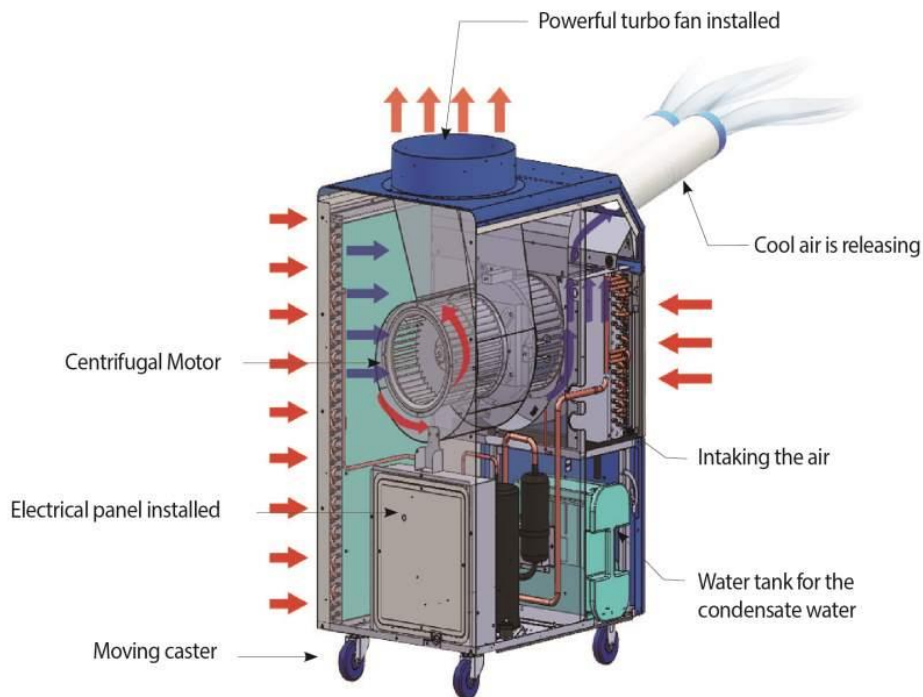
[50Hertz]



WELTEM



Portable Air Conditioner



01 Spot/Concentrating Cooling System

WELTEM's spot cooler that releases powerful cool air is the best option when entire cooling is impossible or inefficient.



02 Convenient Digital Controller

Easy to use and well equipped with Self-diagnostic function and Adjusting Airflow as well Remote control function, Auto restart



03 Condensate Tank

It will store the water coming out from Heat exchanger.



04 Sturdy Castors

Anti-corrosion, high strength material
Convenient self fixing device installed





Portable Air Conditioner

The features of ICEN

- Self-diagnostic feature
- No additional installation needed thanks to indoor and outdoor unit integrated
- Hot&Cold ducts are easily extendable
- Durable metal construction

Dehumidifying
function
available
(Option)

10,000
BTU



12,000
BTU



16,000
BTU



Specifications of		WELTEM	WMC-2500	WPC-3000	WPC-4000
Cooling Capacity	BTU / ton / kW		10,000 0.8RT / 2.9kW	12,000 1RT / 3.5kW	16,800 1.4RT / 4.9kW
Power Supply	Hertz		50	50	50
	Phase		Single	Single	Single
	Volts		230	230	230
Size(WxDxH)	mm		435×610×520	460×599×1040	523×671×1040
Weight	Kg		57	71	86
Current Consumption	Amps		5	5.15	8.5
Power Consumption	kW		1.15	1.18	1.96
Air filter material	Condenser Evaporator		Aluminum Vinylchloride	Aluminum	Aluminum Vinylchloride
Refrigerant type			R-410A	R-410A	R-410A
Operating Conditions	°C		18~45	18~45	18~45
Max hot air duct length	m		5	14	15
Condensate Tank	Liter		Auto pump included	18	18
Cooling Area	m ²		25	33	40

※ Safety device : High pressure switch/Evaporator freeze protection/Condensate tank overflow sensor/Temperature sensor for compressor protection
Delay timer for compressor protection/Fuse for circuit board protection

- Specifications can be changed without prior notice.



WPC-5000	WPC-6000	WPC-9000	WPC-15000	WPC-23000
21,200 1.8RT / 6.2kW	25,000 2.1RT / 7.3kW	32,000 2.7RT / 9.4kW	60,000 5RT / 17.6kW	83,000 7RT / 24.3kW
50	50	50	50	50
Single	Single	Single	3	3
230	230	230	380	380
523×671×1040	560×730×1300	660×885×1380	735×1310×1520	735×1310×1520
88	96	110	300	345
11.7	12.6	19	12.8	17.4
2.69	2.9	4.4	8.4	11.5
Aluminum Vinylchloride	Aluminum Vinylchloride	Aluminum Vinylchloride	Aluminum Vinylchloride	Aluminum Vinylchloride
R-410A	R-410A	R-410A	R-410A	R-410A
18~45	18~45	18~45	18~45	18~45
15	15	18	30	30
18	18	18	Auto pump included	Auto pump included
50	56	100	170	210



High Capacity Air Conditioner

Connecting type for outdoor duct installation

60,000
BTU



250,000
BTU



Specifications of	WELTEM	WPC-18000	WPC-25000	WPC-36000	WPC-65000
Cooling Capacity	BTU ton / kW	60,000 5RT/17.6	83,000 7RT/24	118,400 9.9RT/34.7	150,000 12.5RT/43.95
Power Supply	Hertz	50	50	50	50
	Phase	3	3	3	3
	Volts	380	380	380	380
Size(WxDxH)	mm	775.2x1580x1490 (Cowl included)	775.2x1580x1490 (Cowl included)	870x1904x1801	1840x900x1720
Weight	Kg	305	345	530	1,200
Current Consumption	Amps	12.8	21	22.1	32.8
Power Consumption	kW	8.43	13.8	14.5	21.6
Air filter material	Condenser Evaporator	Aluminum Vinylchloride	Aluminum Vinylchloride	Aluminum Vinylchloride	-
Refrigerant type	Type	R410A	R410A	R410A	R410A
Operating Conditions	°C	18~45	18~45	18~45	-
Condensate Tank	Liter	Drain hose	-	-	
Cooling Area	m ²	160	210	300	

● Specifications can be changed without prior notice.

Accessories & Parts



Drain Pump



Eva filter



Remote controller



Cool air duct



Cool air duct base
Cool air duct cover



Cool air duct
Assembly



Exhaust flange



Condenser filter



Office



Commercial kitchen in hospital (Water cooled)



Portable Dehumidifier

Weltem's Dehumidifier will settle the serious problem caused by moisture infiltration

120L/day

180L/day

250L/day



Model	WPD- 120	WPD- 180	WPD- 250
Power Supply	230V/50 Hz	230V/50 Hz	230V/50 Hz
Power Consumption	4.42A	9A	13A
Power Supply	1kW	1.9kW	2.9kW
Operating conditions	5~ 35℃	5~ 35℃	5~ 35℃
Operating Capacity per day	120L/day	180L/day	250L/day
Refrigerant	R410A	R410A	R410A
Weight	64kg	88kg	98kg
Size (WxDxH)mm	551x607x839	523x670x1042	565x748x1200

● Dehumid Capacity per day L/day (30°C RH80%)

● Specifications can be changed without prior notice.



The applications of I-CEN

Keep pleasant environment **all the time**



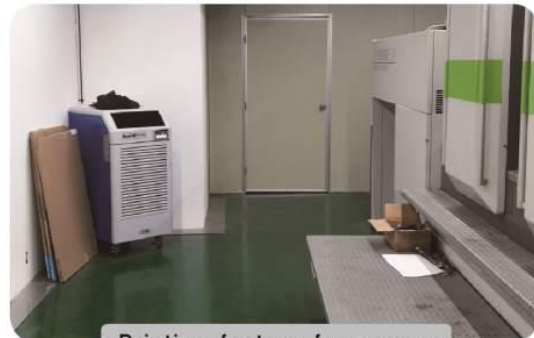
Food storage



Warehouse



Printing museum



Printing factory for newspaper



Library



Depot

The **best solution** to prevent humidity related problems



Heat Pump

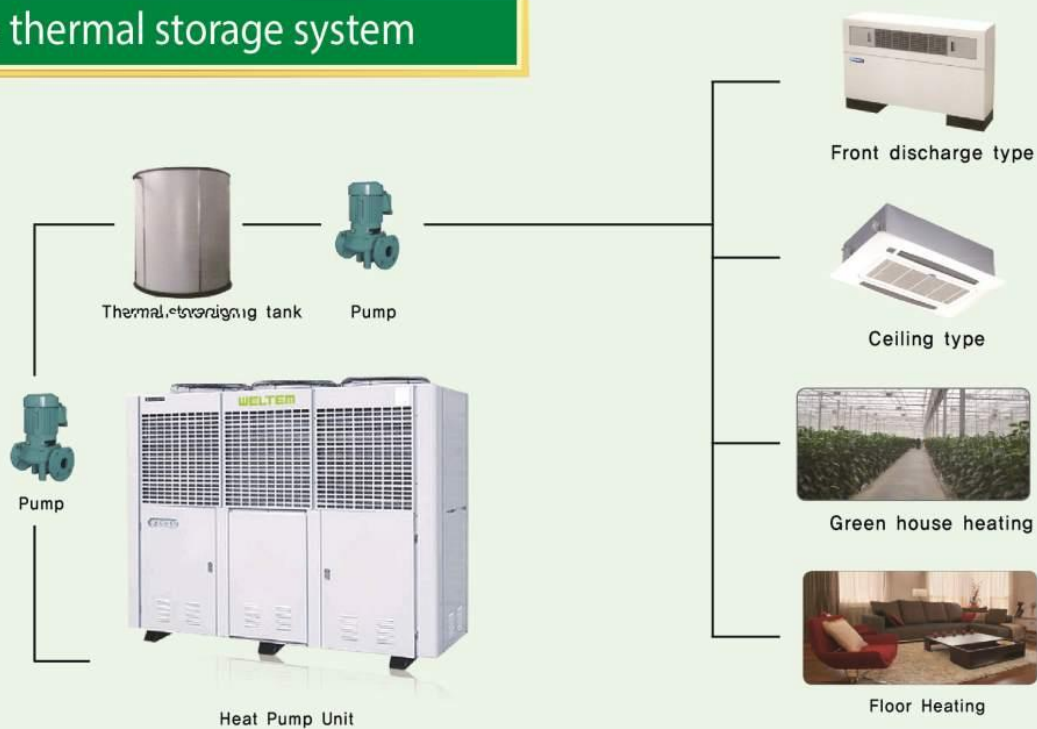
What is Air to water heat pump ?

This is high technology that enables both cooling and heating in 1 system. When heating it absorbs necessary heat from outside air and when cooling it exhausts heat from the condensed heat to outside without cooling tower.

Technical features

- Simple and installation area is not very limited because it doesn't have exhaust heat return facility
- Easy installation as outdoor unit is inside of the unit
- Heating is available for winter season as well as cooling in summer season.
- Heat storing tank enables to store hot water.
- Environment friendly R-410A, R-407 refrigerant

Ice thermal storage system



◆ Detailed explanation



Wider combustion tube

20% cost saving on fuel consumption and increased far infrared radiation thanks to special coating.



Intuitive LED buttons

User-friendly LED display is adopted



Odor removal filter

Smell from oil is minimized through recovery system when the unit is not operated



Safety system

Safer to use by adopting 12 safety technologies



Model Name Description	WHO-070	WHO-095	WHO-115	WHO-135	WHO-155	WHO-175	WHO-205
Type of fuel	Kerosene / Diesel						
Fuel consumption(ℓ/h)	0.72	1.0	1.1	1.4	1.52	1.77	1.9
Heating capacity (BTU)	27,700	35,700	43,600	51,500	59,500	67,400	79,300
Heating area (m ²)	46.4~60.3	59.6~77.5	72.9~94.7	86.1~111.9	99.3~129.1	112.6~146.4	132.5~172.3
Power supply	AC 220V/240V 50Hz						
Power consumption (W) (Running)	40	40	40	40	40	60	60
Oil tank capacity (ℓ)	24	30	30	45	45	45	45
Weight	39kg	40kg		58kg		63kg	
Dimension (W×D×H)mm	770×320×870	973 X 320 X 979		1305×320×988		1305×320×1158	

☐ Specifications can be changed without prior notice for product improvement

◆ Detailed explanation



Oil tank is placed inside the unit and additional oil tank is available

Because of additional oil tank, users do not have to fill the fuel frequently



Intuitive LED buttons

User-friendly LED display is adopted



Two directions are given for exhaust outlet

Users have two choices for exhaust outlet direction, which hasn't been offered by any products



Excellent heating performance

Improved heating performance by adopting highly efficient burner



Description	Model Name	WFHO-150	WFHO-200	WFHO-250
Type of fuel		Kerosene / Diesel		
Fuel consumption (ℓ/h)		1.52	2.2	2.35
Heating capacity (BTU)		59,500	79,300	99,200
Heating area (㎡)		99.3~129.1	132.5~172.3	165.6~215.3
Power supply		AC 220V/240V 50Hz		
Power consumption (W) (Including fan power consumption)		468	482	275
Oil tank capacity (ℓ)		50	50	90
Weight		104.4kg		120.1kg
Dimension (W×D×H)		800x430x1772 mm		970x430x1804 mm

☒ Specifications can be changed without prior notice for product improvement

◆ Detailed explanation



Heating element made of carbon fiber bar

By reducing time to reach set temperature, customers save on electricity cost



Controller

Intuitive controller that enables users to set function



Metal handles

Two metal handles are attached for users to carry easily



Durable castors

Easy to move with four durable castors that can be fixed and designed to prevent falling.

16,300
BTU



34,700
BTU



	WHE-50		WHE-100	
Power supply	1Ø 230V	3Ø 380V	3Ø 480V	
Heating capacity	16,400 BTU	35,000 BTU	35,000 BTU	
Power consumption	4.8 kW/h	10.2 kW/h	10.2 kW/h	
Heating area	31.8 ~ 41.3 m ²	67.6 ~ 87.9 m ²	67.6 ~ 87.9 m ²	
Weight	29.1Kg	49.5 Kg	49.5 Kg	
Rated current	20.9A	15.5A	14.2A	
Dimension(WDH)	681x250x856 mm		681x250x1362 mm	

☒ Specifications can be changed without prior notice for product improvement



WWW.WELTEM.COM

Electric blower heater

We make things differently so we make things better
Improved heating efficiency through high performance fan



◆ Product features

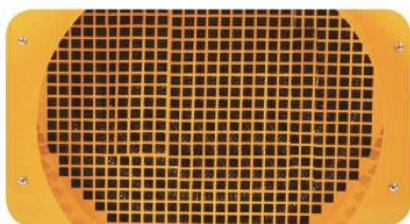
Convenient to carry through four castors and two metal handles attached

Automatic temperature control

Temperature control system and safety system to prevent overheating

High performance fan maximizes its heating efficiency

◆ Detailed explanation



Improved heating efficiency

By reducing time to reach set temperature, users save on electricity cost



Easy Operating

User Interface Control Panel



Convenience

Two metal handles are attached for users to carry easily



Top safety

Overheating prevention system and temperature sensors assure user's safety



Description	Model Name	WFHE-10	WFHE-20	WFHE-30
Power supply		1Ø 240V / 3Ø 380V / 3Ø 415V	3Ø 380V / 3Ø 415V	3Ø 380V / 3Ø 415V
Heating capacity (BTU)		35,000	68,110	102,170
Power consumption (kW/h)		10.2	19.9	29.8
Heating area (m ²)		56.4~73.3	112.8~146.6	169.2~219.9
Rated current (A)		42.8/15.6/14.3	30.2/27.7	45.3/41.5
Weight		26.9Kg	39.1Kg	51.3Kg
Dimension (W×D×H) Including castors		392.5x571x564 mm	422.5x621x584 mm	472.5x671x624 mm

※ Specifications can be changed without prior notice for product improvement



www.weltem.com



Typical Use

Hospitals-Laboratories-Emergency cooling-Multiple factory offices-Process cooling-Vessels
Computer-server rooms-Commercial Kitchens-Multiworkstations-Disaster relief-Sports rooms
Special events-marquee cooling-Temporary office-lobby cooling-Equipment spot cooling



- Certified as INNO-BIZ
- Certified as a Venture Company
- Certified as ISO 9001
- Certified as ISO 14001



Panel Air Conditioner

COOLZEN

Automatic protector to control temperature
inside electronic panel



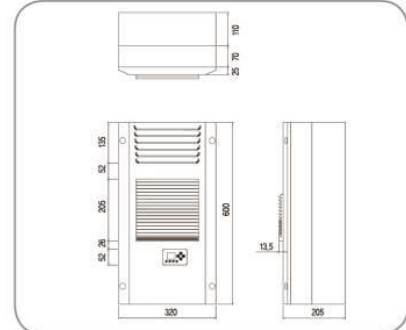
Panel Air Conditioner

COOLZEN WPA-500S

Type of Non Evaporation, Side Mounting, Half Insertion



Mounting method	Outside
Consumption	660W
Rated valtage	1 Ø 220V 50/60Hz
Rated current	3.0A
Refrigerant	R-134a
Cooling capacity	450/500Kcal/h (2,000BTU)
Compressor	0.15kW(1/5Hp)
Weight	24kg
Dimension	320 × 600 × 205mm(WHD)

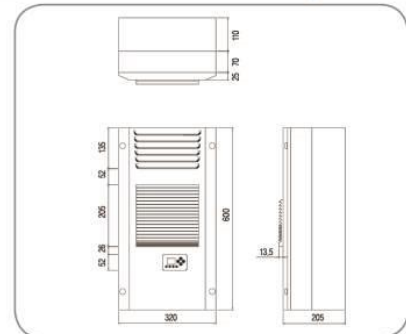


COOLZEN WPA-500SE

Type of Evaporation, Side Mounting, Half Insertion



Mounting method	Outside
Consumption	1254W
Rated valtage	1 Ø 220V 50/60Hz
Rated current	5.7A
Refrigerant	R-134a
Cooling capacity	450/500Kcal/h (2,000BTU)
Compressor	0.15kW(1/5Hp)
Weight	27kg
Dimension	320 × 706 × 205mm(WHD)



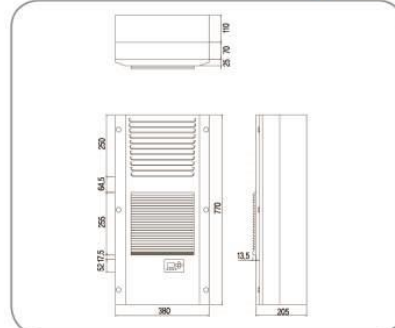
Panel Air Conditioner

COOLZEN WPA-800S

Type of Non Evaporation, Side Mounting, Half Insertion



Mounting method	Outside
Consumption	1056W
Rated voltage	1 Ø 220V 50/60Hz
Rated current	4.8A
Refrigerant	R-134a
Cooling capacity	720/800Kcal/h (3,200BTU)
Compressor	0.25kW(1/3Hp)
Weight	35kg
Dimension	380×770×205mm(WHD)

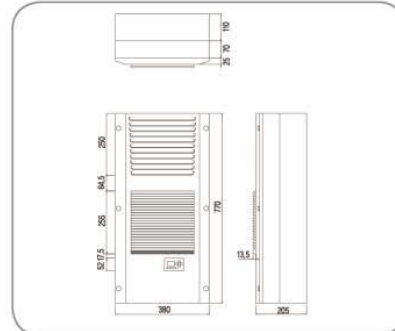


COOLZEN WPA-800SE

Type of Evaporation, Side Mounting, Half Insertion



Mounting method	Outside
Consumption	1650W
Rated voltage	1 Ø 220V 50/60Hz
Rated current	7.5A
Refrigerant	R-134a
Cooling capacity	720/800Kcal/h (3,200BTU)
Compressor	0.25kW(1/10Hp)
Weight	38.5kg
Dimension	380×876×205mm(WHD)

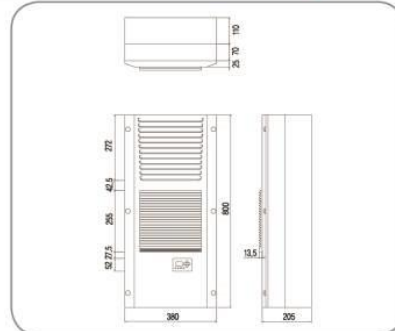


COOLZEN WPA-1000S

Type of Non Evaporation, Side Mounting, Half Insertion



Mounting method	Outside
Consumption	1056W
Rated voltage	1 Ø 220V 50/60Hz
Rated current	4.8A
Refrigerant	R-134a
Cooling capacity	930/1000Kcal/h (4,000BTU)
Compressor	0.25kW(1/3Hp)
Weight	36kg
Dimension	380×800×205mm(WHD)

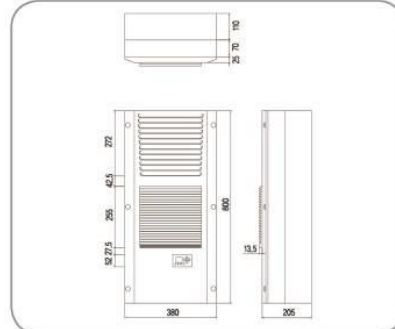


COOLZEN WPA-1000SE

Type of Evaporation, Side Mounting, Half Insertion



Mounting method	Outside
Consumption	1650W
Rated voltage	1 Ø 220V 50/60Hz
Rated current	7.5A
Refrigerant	R-134a
Cooling capacity	930/1000Kcal/h (4,000BTU)
Compressor	0.25kW(1/3Hp)
Weight	39.5kg
Dimension	380×906×205mm(WHD)



COOLMAX

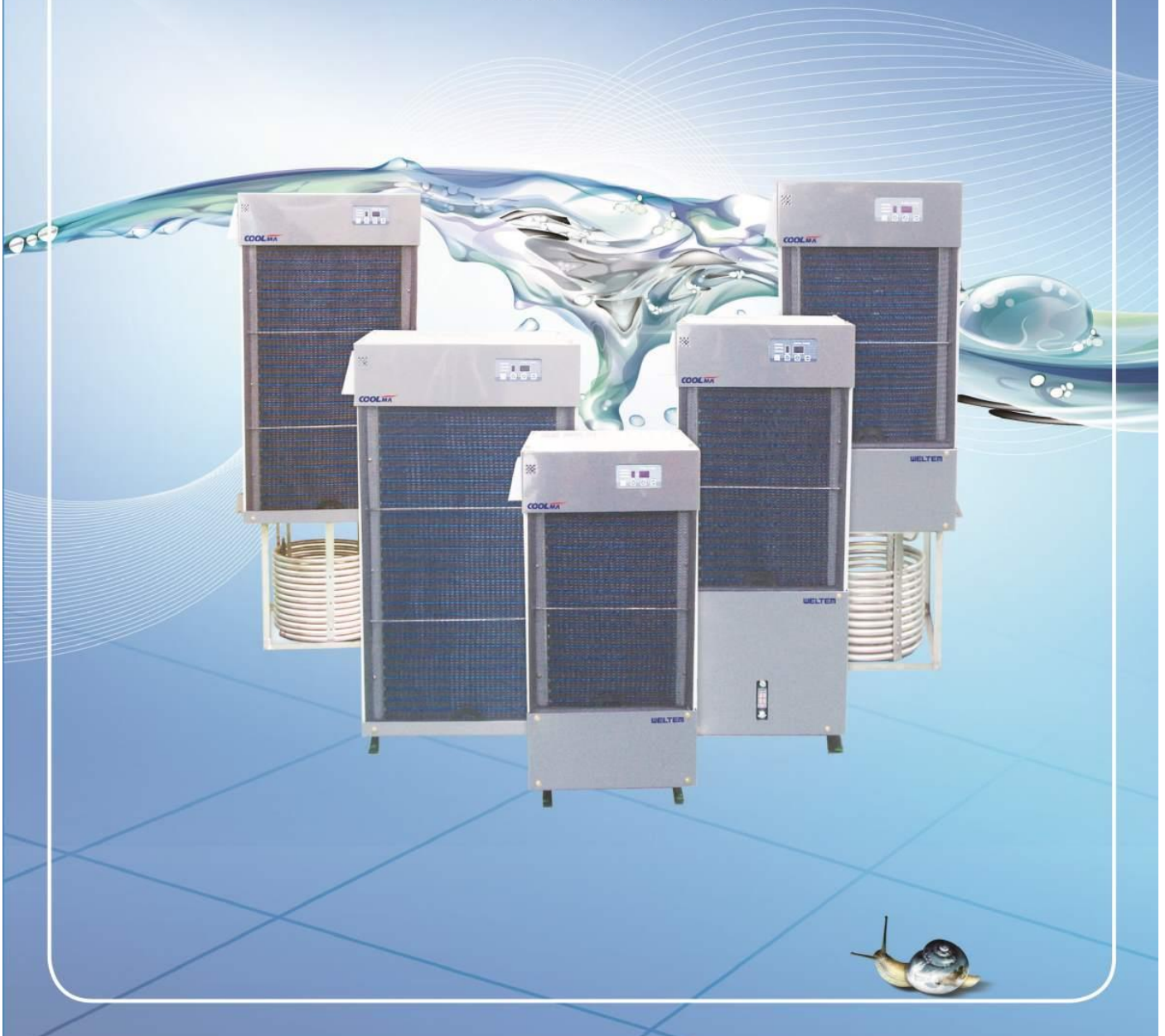


KURA

- Certified as INNO-BIZ
- Certified as a Venture Company
- Certified as ISO 9001
- Certified as ISO 14001

Oil Cooler

Oil Cooler controls the temperature of oil and prevent the transformation by heat.



LEVER COUPLING

The Confidence Brand

The reliability of our products is recognized all over the world.



 KURA

OZC LEVER COUPLINGS

OZC Lever Coupling give fast, positive, leak-proof connections for hoses and pipes

OZC Lever Couplings are multi-purpose couplings which are serviceable to various field of industry, Petroleum, Chemistry, Steel, Machines, Food, Beverage, Shipping and so on. OZC Lever Couplings are manufactured to US-MIL specification (No. MIL-C-27487) and have passed severe and stringent inspection. Our excellent quality provides the experience that ensures many years of reliable performance.

Thread

Tapered pipe thread as standard specification (JIS B 0203)
We can manufacture many types of thread including NPT, BSPT, DIN etc.

Thick wall construction

Precision machined to accurate tolerance.

Cam lever

Unnecessary to use a tool, and easy and safety to operate.

Cam lever pin

Strong and durable stainless steel cam lever pin will not rust or bind for greater safety.

Cam

Designed for greater resistance to vibration more positive locking and added safety.

Gasket

The standard gasket material is NITRILE RUBBER and provides a wide variety of both chemical and temperature resistance. Compression prevents leakage of fluid. Please contact us for details on standard and special materials.

NUMBERRING SYSTEM MAKES ORDERING EASY

OZ - C - AL - 3
Symbolic Mark Type Materials Size
1/2"~8"

Type

A • F • E — Adapter
D • B • C — Coupler
DP • DC — Plug or Cap
AF • DF — Flanged Adapter or Flanged Coupler
ASF — Sanitary ferrule type

Materials

AL — Aluminum
ADC — Aluminum Die-cast
BC — Bronze
SST — Stainless Steel
PP — Polypropylene

Size

1/2" to 8"

Miscellaneous OZC Lever Couplings

Flange type, weld neck type and couplings with valve. Also design modification are available for special requirement or condition. Please contact with OZAWA.

Hose shank

It's designed so that it is easy to insert in a hose and to fasten proper by a hose bands or clamps.

TCGシリーズ用 ノンバックラッシボール減速機

SFP Series

kamo

NEW



KURA

ボール減速機、TCG ランナー2つのコンポーネントをトータルに提案

Totally proposing two types of products – Ball Reducer and TCG Runner



BALL REDUCER PRO

ノンバックラッシュ Non-backlash

- 歯車を鋼ボールで置き換え、バックラッシュを排除しました。
- Steel balls replace gear and eliminate backlash.

低騒音 Low noise

- 歯杆を啮み合う、転がり接触で回転します。
- No noise comes out when meshing with each other because of rolling contact.

モーター簡単取り付け Easy attachment of motor

- モーター軸封床田のクランプ仕様を標準採用。各種モーターの取り付けが容易になりました。
- Any company's motor can be easily mounted as clamp for round-shaft motor is adopted as standard.

高精度位置決め High accuracy in positioning

- バックラッシュがありませんので、高精度な位置決めが可能です。
- Non-backlash structure enables to have high positioning accuracy in one or another direction.

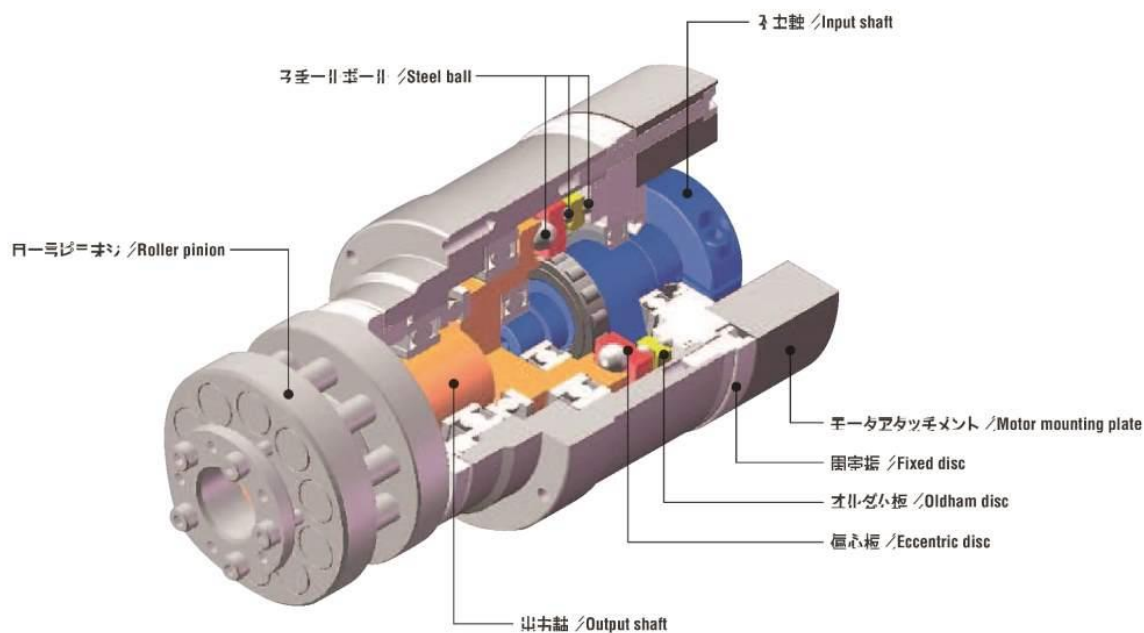
組立選定工数を削減 Reduced man-hours for assembling and selecting

- ローラピニオン採用でお客様の工数を削減（Rタイプ）
- The preset roller pinion cuts down on your man-hours (Type P).

TCG ランナー用ボール減速機 SFP シリーズ P型

Ball Reducer for TCG Runner SFP Series Type P

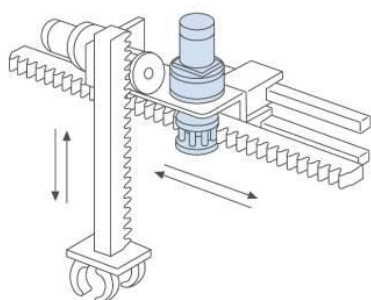
【構造図】 Structural drawing



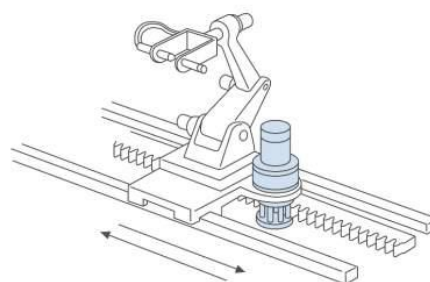
DUCTS



球減速機使用例 Usage Example of Ball Reducer



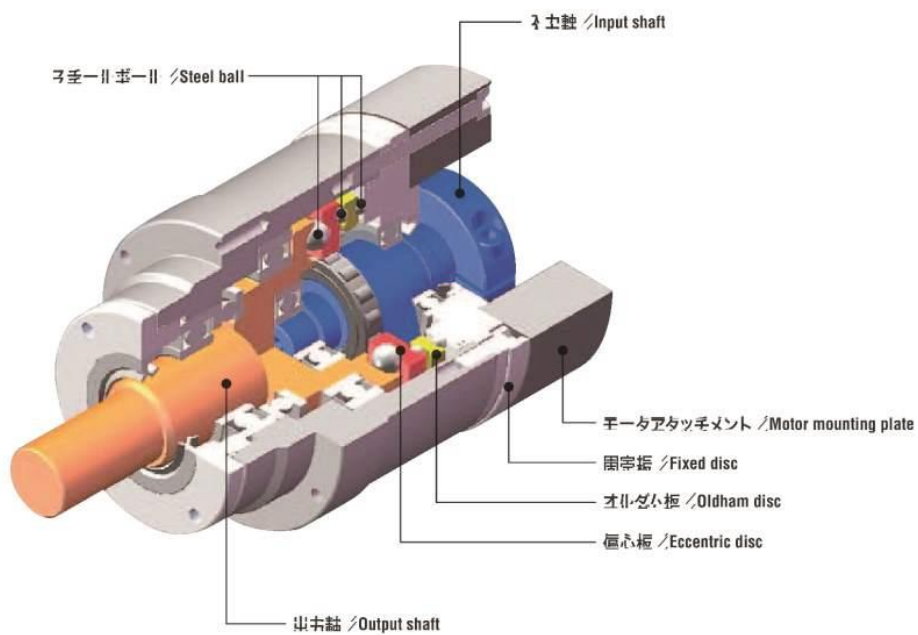
ガントリーローダー
Gantry loader



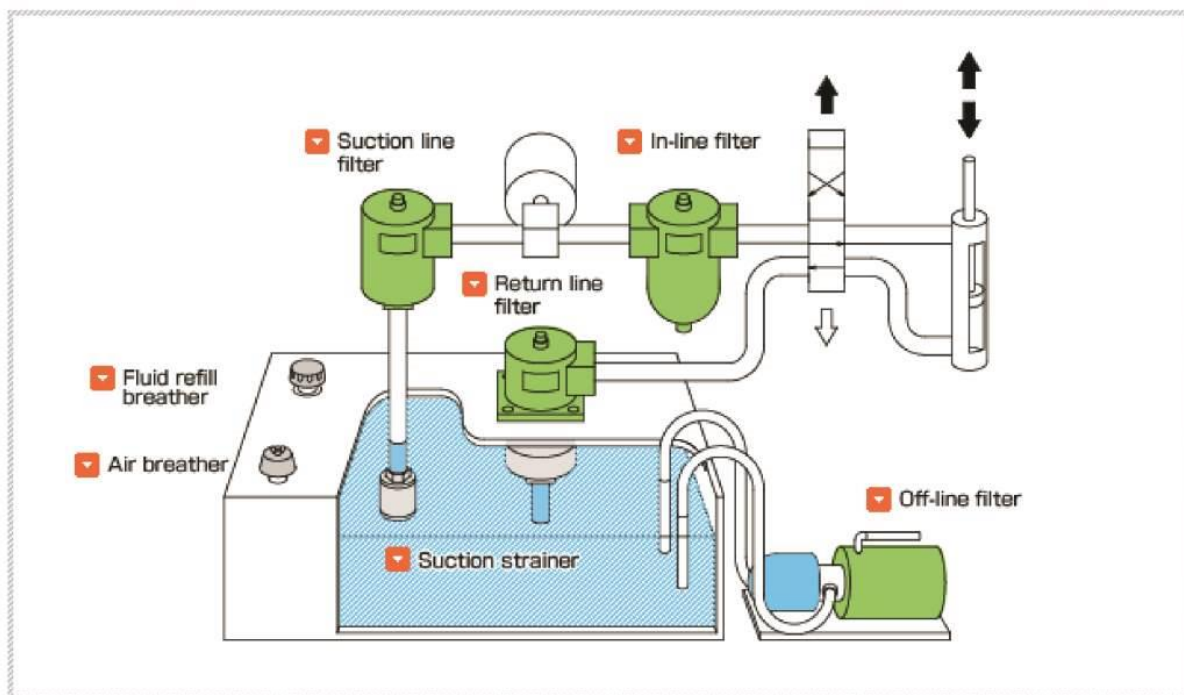
ロボット長行程走行
Robotic run at long stroke

TCG ランナー用ボール減速機 SFP シリーズ S型 Ball Reducer for TCG Runner SFP Series Type S

【構造図】 Structural drawing



Oil Filters



FILTRATION UNIT (FILTRATION CART)

SUCTION LINE FILTER

DUPLEX FILTER



SFT Suction Strainer



UM In-line Filter



BOS Duplex Filter



TRF Return Line Filter



FCF



LN In-line Filter



3502 In-line Filter



Shell & tube type



TSK Products Information

Linear Motion Products



Takeuchi Precision Works Co.,Ltd

Partner in Viet Nam:

KURA VIETNAM CO.,LTD

BRIDGESTONE

HYDRAULIC HOSE

Couplings , Accessories and Equipment



Saitama Seiki Co., Ltd., Japan

MANUFACTURER of pneumatic power tools



Pneumatic Power Tools

- The company was established in 1964.
- has 40 years' experience producing pneumatic power tools.
- manufactures at the plant in Kumagaya City, Japan.
- has reliable technical background and latest machining facility.
- has ultimate management to keep high quality standard.
- is eager for progress of technology, quality and stable supply.
- gives best effort to develop and modify the products to customers' satisfaction.



*Specifications and features in this catalog are at the time of September 2009, and might be changed with/without notice.

U-TOOLS



FASTENING

Impact Wrenches
Ratchet Wrenches
Screwdrivers
Impact Driver



DRILLING

Drills
Reversible Drills



GRINDING

Disc Grinders
Die Grinders



SANDING

Disc Sanders
Double Action Sanders
Orbital Sanders
Wet Orbital Sanders
Tip Sander
Belt Sanders



POLISHING

Angle Polishers
Vertical Polisher



ACCESSORIES





DRILLS, SCREWDRIVERS & IMPACT DRIVER

APPLICATIONS

DRILLS: metal working, wood working, automotive repairing and maintenance, and every drilling operation.
IMPACT DRIVER: Assembling operations for wooden, electric and other products.

U-590



3/8" Drill
10mm cap.

U-825



Impact Driver
1/4" (6.35mm) hex.drive
Double-hammer clutch
4-step speed regulator built-in

U-600



3/8" Reversible Drill
10mm cap.

U-810



Screwdriver
1/4" (6.35mm) hex.drive

U-527



1/2" Reversible Drill
with side grip

U-810-8



Low-speed Screwdriver
1/4" (6.35mm) hex.drive
High torque

U-500AH



3/8" Angle-head Drill
10mm cap.

U-830



Screwdriver, straight
1/4" (6.35mm) hex.drive

U-500AHR

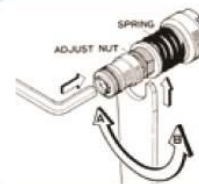


3/8" Angle-head Reversible Drill
10mm cap.

How to change torque;

- ① Disassemble Housing
- ② Take two wrenches from the box.
- ③ Adjust torque as shown.

Turn to "A" : High torque
Turn to "B" : Low torque



MODEL	Chuck cap. (mm)	Speed (no load) (rpm)	Air Cons. (L/min)	Air Inlet (PT)	Hex.drive (mm)	Screw Capacity (mm)	Torque (N·m)	Weight (kg)	Overall Length (mm)	Height (mm)
U - 590	10	2,400	470	1/4PT	-	-	-	1.18	178	145
U - 600	10	2,000	580	1/4PT	-	-	-	1.18	178	155
U - 527	13	480	470	1/4PT	-	-	-	1.60	220	155
U - 500AH	10	1,900	360	1/4PT	-	-	-	0.98	185	95
U - 500AHR	10	1,200	360	1/4PT	-	-	-	1.27	208	100
U - 825	-	12,000	350	1/4PT	6.35	6	50	0.87	125	160
U - 810	-	1,800	600	1/4PT	6.35	6	120	1.16	205	155
U - 810-8	-	800	600	1/4PT	6.35	8	150	1.35	205	155
U - 830	-	1,800	420	1/4PT	6.35	6	120	1.15	250	43



IMPACT WRENCHES-small & medium

APPLICATIONS

Disassembling the engines of cars and motorcycles. Tire changing. Disassembling and assembling construction machineries, and its maintenance.

U-135



3/8" (9.5mm) sq.drive Impact Wrench

Single-hammer clutch
4-step speed regulator built-in

U-160



1/2" (12.7mm) sq.drive Impact Wrench

Pin clutch
Separate speed regulators for forward & reverse individually (Right: 3-step, Left: Max.)

U-845



1/2" (12.7mm) sq.drive Impact Wrench

Pin clutch
4-step speed regulator built-in

U-160A



3/8" (9.5mm) sq.drive Impact Wrench

Pin clutch
Separate speed regulators for forward & reverse individually (Right: 3-step, Left: Max.)

U-845L



U-845 with 2" long anvil Impact Wrench

Pin clutch
4-step speed regulator built-in

U-156



3/4" (19mm) sq.drive Impact Wrench

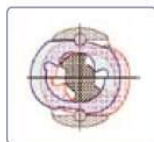
Pin clutch
4-step speed regulator built-in

U-170T



1/2" (12.7mm) sq.drive Impact Wrench

Twin-hammer clutch
4-step speed regulator built-in
Comfortable grip of composite resin



TWIN HAMMER CLUTCH

- High torque
- High durability

U-156L



3/4" (19mm) sq.drive Impact Wrench

with 2.5" (65mm) long anvil
Pin clutch
4-step speed regulator built-in

Model	Square Drive (mm)	Bolt Cap. (mm)	Max. Torque (N·m)	Air Cons. (L/min) (no load)	Air Cons. (L/min) (load)	Speed (no load) (rpm)	Air Inlet (PT)	Weight (kg)	Overall Length (mm)	Height (mm)	Anvil Length (mm)
U - 135	9.5	10	100	380	320	9,000	1/4PT	1.33	136	164	15
U - 845	12.7	16	450	480	350	7,000	1/4PT	2.26	187	185	26
U - 845L	12.7	16	450	480	350	7,000	1/4PT	2.35	225	185	65
U - 170T	12.7	16	900	530	380	7,000	1/4PT	2.20	195	195	24
U - 160	12.7	16	330	350	310	9,000	1/4PT	1.58	159	180	20
U - 160A	9.5	12	300	350	310	9,000	1/4PT	1.58	159	180	20
U - 156	19	25	900	680	400	5,300	1/4PT	3.70	215	215	29
U - 156L	19	25	900	680	400	5,300	1/4PT	3.80	253	215	65



SANDING PADS & ACCESSORIES

For 83P, 83HP & 52



■ Velcro Soft Pad
40mm dia. x 10mm T.
Code: 5507



■ Velcro Pad
45mm dia. x 10mm T.
Code: 5508



■ Buffering Disc
50mm dia. x 5mm T.
Code: 5513



■ Urethane Buffer (fine)
50mm dia. x 20mm T.
Code: 5906



■ Velcro Soft Pad
72mm dia. x 10mm T.
Code: 5506



■ Velcro Pad
72mm dia. x 10mm T.
Code: 5544



■ Buffering Disc
80mm dia. x 5mm T.
Code: 5511



■ Thick Buffer
80mm dia. x 15mm T.
Code: 5510



■ Urethane Buffer (fine)
80mm dia. x 20mm T.
Code: 5512

For 85V, 83P



■ "B" Pad
92mm dia. x 15mm T.
Code: 5523



■ "B" Pad
98mm dia. x 15mm T.
Code: 5550



■ Buffer
110mm dia. x 15mm T. x 10mm dia. hole
Code: 5520



■ Urethane Buffer (fine)
110mm dia. x 20mm T. x 10mm dia. hole
Code: 5538

For 54, 54D



■ Velcro Soft Pad "D"
98mm dia. x 10mm T.
Code: 5524



■ Cushion Base
98mm dia. x 10mm T.
Code: 5529

For 55, 56, 55D, 56D & 556



■ Cushion Base
123mm dia. x 10mm T.
Code: 5519



■ Glue-on Soft Pad
123mm dia. x 8mm T.
Code: 5504



■ Velcro Pad
123mm dia. x 10mm T.
Code: 5500



■ Glue-on Pad
123mm dia. x 10mm T.
Code: 5502



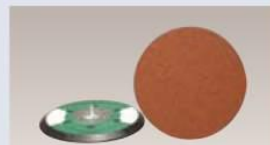
■ Velcro Pad "D"
123mm dia. x 10mm T.
Code: 5501



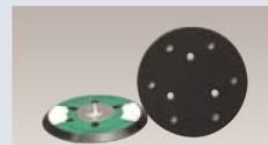
■ Glue-on Pad "D"
123mm dia. x 10mm T.
Code: 5503



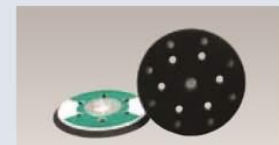
■ Velcro Pad
148mm dia. x 10mm T.
Code: 5531



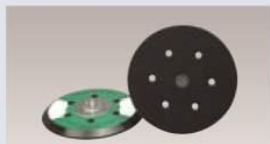
■ Glue-on Pad
148mm dia. x 10mm T.
Code: 5537



■ Velcro Pad "D"
148mm dia. x 10mm T. (9 holes)
Code: 5530



■ Velcro Pad "D"
148mm dia. x 10mm T. (15 holes)
Code: 5527



■ Velcro Pad "D"
148mm dia. x 10mm T. (7 holes)
Code: 5532



■ Velcro Pad "D"
123mm dia. x 10mm T.
Code: 5563



■ Velcro Pad
123mm dia. x 10mm T.
Code: 5564



■ Glue-on Pad
123mm dia. x 10mm T.
Code: 5565

For 551 & 551D



■ Velcro Pad Base
105mm dia. x 2 T.
Code: 5902



■ Velcro Soft Disc
123mm dia. x 10mm T.
Code: 5900



■ Velcro Hard Disc
123mm dia. x 10mm T.
Code: 5901



■ Glue-on Hard Disc
123mm dia. x 10mm T.
Code: 5907

MEASUREMENT EQUIPMENT

Maker Name	Main item
Niigata seiki (SK)	Tools, measuring instruments, pin gauge, ring gauge
PEACOCK	Dial gauge, cylinder gauge etc
CITIZEN	Digital gauge, signal gauge, electric micrometer, etc
TECLOCK	Dial gauge, caliper gauge, durometer, etc
MAGNESCALE	Digital gauge
DIATEST	Bore gauge
KANETEC	Magnet base, magnet v block, etc
NIIGATA RIKEN	Square, flat level, bench center, etc
OBISHI	Square, flat level, bench center, etc
NIPPON SPREW	Coil thread insert
KANON	Torque wrench, Torque driver, Caliper, Tension gauge
TOHNICHI	Torque wrench, Torque driver, Torque meter
NAGANO KEIKI	Pressure gauge
DAIICHI KEIKI	Pressure gauge
SANWA	Clamp tester, current tester etc
A&D	Electric weight scale
SHINKO DENSHI	Electric weight scale
IMADA	Force gauge
SHIMPO	Force gauge
IMV	Vibration meter
SATO	Thermometer, Hydrometer etc
OTSUKA	Illuminating magnifier
DAIICHI SOKUHAN (ISSOKU)	Thread gauge
OSG	Thread gauge
SOKUHANSHA (SHS OR JPG)	Thread gauge
KOIZUMI SOKKI	Thread gauge
MIZOGUCHI KYOHAN	Snap gauge
ALPS	Carbide plug gauge
FUJI TOOL	Radius gauge, Screw pitch gauge
TOKYO THICKNESS (TSK)	Thickness gauge, Thickness tape
RIKEN SOKUHAN (RSK)	Thickness gauge, Thickness tape, plug gauge, ring gauge
SCHLIEMANN	Thickness gauge, Thickness tape
SWAN	Dansa gauge, Thickness gauge, Thickness tape
ITOH NC	Thread pin gauge
EXCEL	SOUNDSCOPE
SUGISAKI KEIKI (CEDAR)	TORQUE METER
SEKONIC CORPORATION	THERMOHYDROGRAPH
ATAGO	REFRACTOMETER
YAMAMOTO SCIENTIFIC TOOL LABORATORY	HARDNESS TEST PIECE
NIHON KINZOKU	SURFACE ROUGHNESS SCALE
UNITTA	ULTRASONIC TENSION METER
JFE ADVANTEC CO.,LTD.	ULTRASONIC HARDNESS TESTER, THICKNESS GAUGE
SANKO ELECTRIC	COATING THICKNESS METER
KETT	COATING THICKNESS METER
AIKOH	Force gauge
ONO SOKKI	LINEAR GAUGE, TACHOMETER

CUTTING TOOLS AND TOOLING

CUTTING TOOL

ASAHI
BIG
FP
FUJIGEN
HI-CUT
HITACHI TOOL
KANAMORI
MAKOTOROY
MIROKU
MRT
MURAKI
NACHI
NT TOOL
OKABE
OKAZAKI
S&K
SANWA
SHOWA
SSS
TAIKA
YAMAWA

Carbide Endmill, Side Cutter, Corner Cutter, Angular Cutter
 Full-Cut Drill
 HSS, Carbide Reamer
 Chamfering Tool, TA Tip
 Carbide Tool Holder, TA Tip
 Carbide Endmill, TA Tips, Drill, Broaches, Cutter
 HSS Drills Special Carbide Cutting Tool
 Gun Drill, Reamer
 Metal Slitting Saw, etc.
 Gun Drill, Carbide Bar
 Endmill, Drill, Cutter, Hob, Broach, Band Saw. etc.
 Chamfering Cutter
 Center Drill
 Endmill, Cutter, Metal Saw, Drill, Reamer, Diamond, CBN Wheel, Cobalt
 Saw
 HSS, Carbide Endmill, Reamer
 HSS and Carbide Tool Holder
 Super-Drill
 Back Boring
 Boring, Endmill
 Tap, Center Drill, Dies



MACHINE TOOLS UNIT, JIGS TOOLS

IIDA
EAGLE (FUTAMURA)
HIKARI SEIKO
HOWA
IKURA
KABUTO
KANETEC
NAKANE
OKK
RIKEN
SIGA
TAC
TAKAMAZ
TAKEDA
TSUDAKOMA
YUKIWA

Rolling Center, Lathe Center, Clipper
 Rolling Center, Bevel Center, Work Driving Center, etc.
 Multi Attachment
 Power Chuck, Cylinder
 Parts for Barfeeder
 Rolling Center, Lathe Center, Clipper
 Magnetic Base, Magnetic Chuck, Magnetic Equipment
 Rolling center, Slender chuck
 Soft Jaw, Jaw Nut
 Hydraulic Non-Stop Chuck, Collet Chuck
 Spindle, Hydraulic Coolant Unit, Feed unit
 Soft Jaw, Jaw Nut
 Drill Unit, Tap Unit, Spindle Motor
 Hydraulic Non-Stop Chuck, Collet Chuck
 Hydraulic Vise
 Machine Vise, Index Table, etc.
 Index, NC Table



PNEUMATIC, GRINDING, HAND TOOLS

CHIYODA
EIGHT
KAWASAKI
KEIBA
MERRY Muromoto Tekko K.K.)
MINIMO(MINITOR)
MURAKI
NILE (Muromoto Tekko K.K.)
NTK
URYU
VESSEL
YOKOZUNA
SAITAMA SEIKI

Air Blow Gun, Tube, Coupling
 Hexagon Wrench, Driver, Bit
 Pneumatic Tool
 Nipper, Plier
 Cutter, Plier
 Air, Ultra-Sonic Grinder, Grinding Wheel, Rotary Bar, Disk, Electro-Bar
 Air Grinding tool, Grinding Stone
 Air Tool
 Grinding Stone
 Pneumatic Tool
 Driver, Plastic Hammer, Air Driver, Impact Wrench, Air Grinder, etc.
 Nylon Brush
 Pneumatic Power Tools



ELECTRIC PARTS

HITACHI
INTERFACE
SANWA
SANRITSU
STYLE

Module, PLC
 PCI card
 Pressure Switch
 Vacuum Cleaner, Dust Collector
 Fan

ENVIRONMENTAL EQUIPMENT

ONIKAZE(AKAMATSU)
SHOWA
YODOGAWA

Dust Collector
 Dust Collector, Blower
 Grinder wldust collector. Belt Grinder widust collector



MACHINE TOOLS AND DEVICES

FUJI HONING
HIKARI SEIKO
IKEGAI
IWAKI
KONDO
MARUNI
NDK (Nihon Denshi Kogyo K.K.)

NICCO
NOMIZU
TAKAMAZ
TANAKA
TOYO AIR CONDITIONING

Honing Machine, Honing Tool
 Multi Spindle Head, Multi-Tap Head
 CNC Lathe machine. Parts For Machine
 Hydraulic Pressing Machine
 Cylindrical grinding machine
 Air Pressing machine
 Ion nitriding equipment, Plasma carburizing equipment,
 Induction Hardening equipment
 Surface grinding machine
 Centerless grinding machine, Dust collecto
 Collet chuck
 Chip Conveyor
 Oil Mist Machine



HYDRAULIC AND PNEUMATIC EQUIPMENTS

HORIUCHI
KOGANEI
MASUDA
NACHI
NOP
ROCKY(LIX)
SHOWA
TAISEI

Hydraulic Cylinder
Air Valve, Air Cylinder, etc.
Oil Filter
Hydraulic Equipment
Trochoid Pump
Hydraulic Equipment
Lubricant Pump, Unit, Fitting, etc
Oil Filter, Oil Cooler

CUTTING TOOLS - TOOLING SYSTEM

ASAHI
BIG
FP
FUJIGEN
HI-CUT
HITACHI TOOL
KANAMORI
MAKOTOROY
MIROKU
MRT
MURAKI
NACHI
NT TOOL
OKABE
OKAZAKI
S&K
SANWA
SHOWA
SSS
TAIKA
YAMAWA
ALPS
BC
BIG
DAITO
KKS (KYUSHU KOGU)
MANYO
NT TOOL
SHOWA
STK(TAKURA)
YUKIWA
ENDO
TERAUCHI

Carbide Endmill, Side Cutter, Corner Cutter, Angular Cutter
Full-Cut Drill
HSS, Carbide Reamer
Chamfering Tool, TA Tip
Carbide Tool Holder, TA Tip
Carbide Endmill, TA Tips, Drill, Broaches, Cutter
HSS Drills
Special Carbide Cutting Tool
Gun Drill, Reamer
Metal Slitting Saw, etc.
Gun Drill, Carbide Bar
Endmill, Drill, Cutter, Hob, Broach, Band Saw, etc.
Chamfering Cutter
Center Drill
"Endmill, Cutter, Metal Saw, Drill, Reamer, Diamond, CBN Wheel, CoSaw"
HSS, Carbide Endmill, Reamer
HSS and Carbide Tool Holder
Super-Drill
Back Boaring
Boaring, Endmill
Tap, Center Drill, Dies
NC Tooling
Tooling, Arbor
Milling Chuck, NC Tooling, Taper Chuck, Boring Bar, Boring Head
Pull Stud
Boring System
Tooling, Arbor
NC Tooling, HSK Holder, Shrink System
Shrinking System and Chuck, Micro Chuck, Milling Chuck
Drill Sleeve, Cutter Arbor, Socket Holder
Drill Mill Chuck, Tooling System
Spring Balancer, Air Hoist, Cable reel
Conveyor, Roller



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