

## **AIR COMPRESSORS**

Hokuetsu Industries ... Kobe Steel Ltd. ... Matsubara Iron Works, Ltd. ... Meiji Air Compressor Mfg. Co., Ltd. ... Suction Gas Engine Mfg. Co., Ltd. ... Tanabe Pneumatic Machinery Co., Ltd. ... Teikoku Machinery Works Ltd. ... Yanmar Diesel Engine Co., Ltd.

## **AIR CONDITIONING & REFRIGERATION PLANT**

Daikin Kogyo ... Namirei ... Nippon Sabroe ... Nisshin Refrigeration & Engineering ... Shin Nippon Air Conditioning Engineering ... Takatori ... Toyo Engineering Works ... Ushio Reinetsu

## **AIR MOTOR**

Henmi Iron Works

## **AIR RESERVOIRS**

Henmi Iron Works ... Kanazawa Iron Works ... Miura ... Nishida Marine Boiler ... Osaka Boilers ...

## **AIR TOOLS**

Fuji Air Tool ... Nitto Kohki ... Uryu Seisakusho ... Yokota Industrial ... Yutani Tekko

## **ANCHORS & CHAINS**

Fujikura Cable Works, Ltd. ... Hamanaka Chain Mfg. Co., Ltd. ... Hien Electric Industries, Ltd. ... Japan Mechanical Chain Co., Ltd. ... Komatsu Ltd. ... Koyo Chain Mfg. Co., Ltd. ... Kuroki Seisa K.K. ... Nippon Chain & Anchor Co., Ltd. ... Onomichi Anchor Mfg. Ltd. ... Osaka Byosa Kogyo Co., Ltd. ... Osaka Chain & Machinery Mfg. Co., Ltd. ... Tatsuta Electric Wire & Cable Co., Ltd. ... Tsubakimoto Chain Mfg. Co., Ltd.

## **AUTOMATION & REMOTE CONTROL EQUIPMENT**

Fuji Electric ... Hanshin Diesel Works

## **BEARINGS**

Koyo Seiko Co., Ltd. ... Nihon Seiko Co., Ltd. ... Toyo Bearing Mfg. Co., Ltd.

## **BLOWERS & FANS**

Fuji Electric ... Kubota Kogyo ... Nishishiba Electric ... Osaka Blower Shinko Electric ... Taiyo Electric

## **BOILER PARTS & ACCESSORIES**

Horiba ... Kikan Buhin ... Meiyo Electric ... Mitsubishi Electric ... Musashino Engineering Works ... Nakakita Seisakusho ... Naniwa Optical Mfg. Co., Ltd. ... Nippon Air Brake ... Nippon Zosen Kikai ... Nishishiba Electric ... Nunotani Hakuoy Kelii Kogyo ... Osaka Boiler Mfg. Co., Ltd. ... Osaka Zoki Valve Ind.

Co., Ltd. ... Saacke Japan Tratec Ltd. ... Saginomiya Seisakusho ... Sasebo Heavy Industries Co., Ltd. ... Sawada Seisakusho Co., Ltd. ... Seo Koatsu Kogyo Co., Ltd. ... Shinko Shoji Co., Ltd. ... Shonan Kosakusho Co., Ltd. ... Sumitomo Metal Industry Ltd. ... Sunflame Co., Ltd. ... Taiyo Electric ... Takuma Boiler Mfg. Co., Ltd. ... Tortoise Engineering Co., Ltd. ... Tokyo Keiki ... Utsuki Keiki ... Volcano Co., Ltd. ... Yamatake Honeywell ... Yokogawa Hokushin Electric

#### **BOILERS & EXHAUST GAS ECONOMIZERS**

Aalborg Industries Co., Ltd. ... Haneda Pipe Works Co., Ltd. ... Hitachi Shipbuilding & Engineering ... Innoshima Boiler Co., Ltd. ... Ishikawajima-Harima Heavy Industries Co., Ltd. ... Ishikawajima Ship & Chemical Plant Co., Ltd. ... Kawasaki Heavy Industries, Ltd. ... Kikan Buhin Seizosho Co., Ltd. ... Kobe Steel Ltd. ... Mitsubishi Heavy Industries, Ltd. ... Mitsui Shipbuilding Engineering Co., Ltd. ... Miura Kogho Co., Ltd. ... Nippon Kokan ... Nishida Marine Boiler ... Osaka Boiler ... Takuma ... Tortoise Engineering

#### **CHEMICAL**

Ameroid Japan Services Co., Ltd. ... Daishin Kako Co., Ltd. ... Oyalox Co., Ltd. ... Sea Light Kogyo K.K. ... Shin-Nitto Chemicals Co., Ltd. ... Yamamizu Shoji Co., Ltd.

#### **CORROSION PROTECTION**

Nakagawa Corrosion Protection

#### **CRANES**

Ishikawajima-Harima Heavy Industries ... Japan Steel Works ... Sekigahara Seisakusho ... Sumitomo Heavy Industries ... Tsuji Heavy Industries

#### **DAVITS**

Sekigahara Seisakusho ... Tateno ... Tsuji Heavy Industries ... Ueda Iron Works

#### **DIESEL ENGINES**

Akasaka Diesel ... Daihatsu Diesel ... Fuji Diesel ... Hanshin Diesel Works ... Hitachi Shipbuilding & Engineering ... Ishikawajima-Harima Heavy Industries ... Ito Engineering ... Kawasaki Heavy Industries ... Kobe Diesel ... Kubata ... Makita Diesel ... Mitsubishi Heavy Industriesv Mitsui Engineering & Shipbuilding ... Niigata Engineering ... Nippon Kokan ... Otsuko Diesel ... Sumitomo Heavy Industries ... Ube Industries ... Yanmar Diesel

#### **DISTILLING PLANTS**

Alfa-Laval Service ... Hisaka Works ... Miura ... Nisshin Refrigeration & Engineering ... Sasakura Engineering

#### **DOORS & LOCKS**

Iwata ... Ohshiima ... Setouchi Kogyo ...

#### **ELECTRICAL EQUIPMENT**

Hien Electric Industries ... Izumi Denki ... Kitazawa Denki Seisakusho ... Kokosha ... Morio Denki ... Nippon Sento ... Ohishi Electric Industry ... Omron Tateishi Electronics ... Sakae Senpaku Denki ... San-El Electric ... Sanshin Senpaku Dengu ... Shinko Electric ... Shonan Kosakusho ... Terasaki Electric ... Toshiba ... Toyo Electronics ... Utsunomiya Electric ... Yoshida Denki Kogyo

#### **ELECTRIC BATTERIES**

Furukawa Battery ... Japan Storage Battery ... Yuasa Battery

#### **ELECTRIC GENERATORS & MOTORS**

Fuji Electric ... Mitsubishi Electric ... Mitsui Engineering & Shipbuilding ... Nishishiba Electric ... Shinko Electric ... Taiyo Electric

#### **ELECTRIC SWITCHBOARDS, STARTERS & CONTROL PANELS**

Eiwa Seiko Co., Ltd. ... Fuji Electric Co., Ltd. ... Fuji Seimitsu Denki K.K. ... Furukawa Denki K.K. ... Igarashi Koka Kogyosyo ... JRCS Co., Ltd. ... Kobe Electric Automatic Control K.K. ... Kokosha Co., Ltd. ... Konan Electric Co., Ltd. ... Kuwahara Denki K.K. ... Meidensha Electric Mfg. Co., Ltd. ... Mitsubishi Electric Corporation ... Morio Denki Co., Ltd. ... N.Z.K. Co. Ltd. ... Nippon Battery Co., Ltd. ... Nippon Siemens K.K. ... Nishishiba Denki K.K. ... Ohnishi Electric Co., Ltd. ... Okui Electric Co., Ltd. ... Rikadenki Kogyo Co., Ltd. ... Saginomiya Seisakusho ... Sanshin Senpaku Dengyo K.K. ... Sanyo Seisakusho ... Seikosha Mfg. Co., Ltd. ... Shinko Electric Co., Ltd. ... Shonan Kosakusho K.K. ... Sohdensha Electronics Ltd. ... Shodensha K.K. ... Taiyo Electric Mfg. Co., Ltd. ... Tamagawa Seiki Co., Ltd. ... Tateishi Electric Co., Ltd. ... Terasaki Electric Co., Ltd. ... Togami Electric Co., Ltd. ... Tokyo Hatsudoki Co., Ltd. ... Tokyo Shinbaura Electric Co., Ltd. ... Utsunomiya Electric Mfg. Co., Ltd. ... Uzushio Electric ... Woodward Governor Co., Ltd. ... Yuasa Battery Co., Ltd.

#### **ELEVATORS**

Mitsubishi Electric ... Nippon Elevator

#### **FENDERS**

Bridgestone ... Yokohama Rubber

#### **FILTERS & STRAINERS**

Ameroid Japan Service ... Kanagawa Kiki Kogyo

#### **FIRE DETECTING SYSTEM & FIRE EXTINGUISHING APPLIANCES**

Kashiwa Co. ... Nohmi Bosai Kogyo ... Tokyo Keiki ... Yamatake-Honeywell ... Yamato Shokaki

## **FITTINGS & TOOLS**

Dainichi Kinzoku Kogyo K.K. ... Fuji Air Tools Co., Ltd. ... Fuji Seimitsu Denki Co., Ltd. ... Iwata Air Compressor Mfg. Co., Ltd. ... Japan Ship Machine Tools Co., Ltd. ... Kobe Steel Ltd. ... Koito Industries, Ltd. ... Meiji Air Compressor Mfg. Co., Ltd. ... Mitsubishi Electric Co., Ltd. ... Nakagawa Corrosion Protecting Co., Ltd. ... NHK Daiei Flex Co., Ltd. ... Nippon Corrosion Engineering Co., Ltd. ... Nisshin Cleaners Kogyo K.K. ... Nittan Co., Ltd. ... Nitto Kohki Co., Ltd. ... Okuda Sogabe Co., Ltd. ... Osaka Air Machine Seisakusho Co., Ltd. ... Riken Keiki Co., Ltd. ... Sanwa Iron Works Co., Ltd. ... Showa Kinzoku K.K. ... Taiyo Seiki Iron Works ... Teikoku Sanso K.K. ... Tokyo Hydraulic Equipment Co., Ltd. ... Toyo Kikai Co., Ltd. ... Uryu Seisakusho Co., Ltd. ... Yamato Fire Extinguisher Co., Ltd. ... Yutani Iron Works Co., Ltd.

## **FUEL INJECTION PUMPS & NOZZLES**

Diesel Kiki ... Nihon Nozzle Seiki ... Toyo Nozzle Pump

## **GALLEY EQUIPMENT**

Fuji Chubo Setsubi ... Mitsuboshi Chuki ... Sakae Senpaku Denki ... Washio Churi Kogyo

## **GAS ANALYZERS**

Riken Keiki Fine Instrument

## **GENERATORS**

Daihatsu Diesel Mfg. Co., Ltd. ... Diesel United, Ltd. ... Hitachi Zosen Diesel Service Corp. ... Isuzu Marine Engine Inc. ... Kawasaki Heavy Industries Ltd. ... Kubota Ltd. ... Mitsubishi Heavy Industries Ltd. ... Mitsui Deutz Diesel Engine Co., Ltd. ... Niigata Engineering Co., Ltd. ... Shinko Ind. Ltd. ... Shinko Engineering Co., Ltd. ... Yanmar Diesel Engine Co., Ltd.

## **GOVERNORS**

Deisel Kiki ... Woodward Governor

## **HATCH COVERS**

MacGregor-Kayaba, Ltd. ... Ohama Iron Works Co., Ltd. ... Tsuji Industries Co., Ltd. ... Yutani Heavy Industries Co., Ltd.

## **HEAT EXCHANGERS, CONDENSORS, COOLERS & HEATERS**

Aalborg Industries K.K. ... Alfa-Laval Service ... Daikin Kogyo Co., Ltd. ... Fujita Iron Works, Ltd. ... Hisaka Works ... Hitachi Shipbuildings & Engineering ... Japan Steel Engineering ... Kamui ... Kawasaki Heavy Industries, Ltd. ... Kunimori Seisakusho Co., Ltd. ... Misuzu Machinery Co., Ltd. ... Mitsubishi Heavy Industries ... Musashino Engineering Works ... Naniwa Reitoki Kogyo, Inc. ... Nihon Tokushu Kogyo, Inc. ... Nippon Algonquin ... Nippon Controls Co., Ltd. ... Nippon Danfoss Mfg. Co., Ltd. ... Nippon Sabroe Co., Ltd. ... Nissin Refrigeration & Engineering Ltd. ... Ohama Iron Works Co., Ltd. ... Osaka Blower Mfg. Co.,

Ltd. ... Osaka Dennetsu Kogyo K.K. ... Sasakura Engineering Co., Ltd. ... Seo Koatsu Kogyo Co., Ltd. ... Shin Nippon Machinery Co., Ltd. ... Shin-Nippon Air Conditioning Ltd. ... Suction Gas Engine Mfg. Co., Ltd. ... Takatori Seisakusho Co., Ltd. ... Tokyo Sensen Kikai Seisakusho Co., Ltd. ... Toyo Engineering Works, Ltd. ... Yamashina Seiki Co., Ltd.

#### **INCINERATORS**

Miura ... Nisshin Refrigeration & Engineering ... Sasakura Engineering ... Sunflame ... Takuma ... Volcano

#### **INERT GAS SYSTEMS**

Kashiwa ... Misuzu Machineries & Engineering ... Mitsubishi Kakoki Kaisha ... Sasakura Engineering ... Volcano

#### **INSTRUMENTS**

##### **LADDERS**

Sanwa Iron Works ... Ueda Iron Works

##### **LAUNDRY EQUIPMENT**

Tokyo Sensen Kikai Seisakusho

##### **LIFEBOATS**

Shigi Shipbuilding

##### **LIFERAFTS**

Fujikura Rubber Works ... Toyo Rubber Industry

##### **LUBRICATORS**

Shimadzu Seisakusho ... Yamashina Seiki

##### **MACHINE TOOLS**

Dainichi Kinzoku Kogyo ... Takizawa Machine Tool

##### **NAVIGATIONAL INSTRUMENTS**

Japan Radio ... Kodan Electronics ... Oki Electric Industry ... Tokyo Keiki ... Toshiba Corp. ... Toyo Electronics ... Yamatake Honeywell ... Yokogawa Hokushin Electric

##### **NAVIGATION LIGHTS & SEARCH LIGHTS**

Koito Industries ... Kokosha ... Nippon Sento ... Sanshin Senpaku Dengu ... Shonan Kosakusho ... Showa Industrial ... Setouchi Kogyo ... Suction Gas Engine

## **OIL CONTENT MEASURING INSTRUMENTS**

Fellow Kogyo ... Horiba ... Shimadzu Seisakusho ... Tokyo Keiki ... Yamatake-Honeywell

## **OIL TREATMENT EQUIPMENT**

Volcano

## **OILY WATER SEPARATORS**

Heishin Pump Works ... Nippon Srs ... Sasakura Engineering ... Taiko Kikai Industries ... Tokyo Keiki

## **OVERHEAD TRAVELLING CRANES**

Sekigahara Seisakusho

## **PACKINGS & MECHANICAL SEALS**

Eagle Industry ... Nippon Pillar Packing ... Nappon Valqua Industries

## **PISTON RINGS**

Nippon Piston Ring ... Riken

## **PLUMBING FIXTURES**

Ina Seito ... Toto

## **PROPELLERS**

Kamome Propeller ... Kobe Steel ... Hanshin Deisel Works ... Mikado Propeller ... Mikawa Propeller works ... Mitsubishi Heavy Industries ... Nakashima Propeller

## **PUMPS**

Daito Pump Kogyo ... Ebara ... Fujita Seisakusho ... Heishin Engineering & Equipment ... Heishin Pump Works ... Ishii Machinery Works ... Kashiwa ... Kosaka Laboratory ... Mitsubishi Heavy Industries ... Naniwa Pump ... Niigata Worthington ... Sanko Pump ... Shinkokinzoku Industries ... Taiko Kikai Industries ... Teikoku Machinery Works

## **PURIFIERS & CLARIFIERS**

Alfa-Laval Service ... Mitsubishi Kakoki Kaisha ... Tomoe Engineering

## **RADIO & TELECOMMUNICATION**

Anritsu ... Furuno Electric ... Japan Radio ... Koden Electronics ... Kyoritsu Radio ... Sakae Senpaku Denki ... Taiyo Musen ... Toyo Electronics

## **REDUCTION GEARS & COUPLINGS**

Osaka Chain & Machinery ... Toyo Seimitsu Zoki ... Ube Industries

## **SEWAGE PLANTS**

Heishin Engineering & Equipment ... Sasakura Engineering ... Taiko Kikai Industries

## **SIGNAL EQUIPMENT**

Ibuki Kogyo ... Izumitatsu Kogyo ... Koito Industries ... Kokosha ... Nippon Sento... Sanshin Senpaku  
Dengu ... Shonan Kosakusho

## **STEAM TURBINES**

Hitachi Shipbuilding & Engineering ... Ishikawajima-Harima Heavy Industries ... Kawasaki Heavy  
Industries ... Mitsubishi Heavy Industries ... Mitsui Engineering & Shipbuilding ... Nippon Kokan ...  
Shinkokinzo Industries ... Sumitomo Heavy Industries

## **STEEL HATCH COVERS**

Kayaba Industry ... MacGregor Far East ... Tsuji Heavy Industries

## **STEERING GEARS**

Hitachi Shipbuilding & Engineering ... Kawasaki Heavy Industries ... Mitsubishi Heavy Industries ... Mitsui  
Engineering & Shipbuilding ... Takatori ... Tokyo Keiki

## **STERN TUBE SEALING**

Dover Japan ... Eagle Industry ... Kobe Steel

## **STEWARD**

Daiei Flex Kogyo Co., Ltd. ... Inchcape Machinery Services ... Fiji Chubo Co., Ltd. ... Hitachi Ltd. ... Kenko  
Co., Ltd. ... Kitazawa Denki Seisakusho ... Kokosha Co., Ltd. ... Kyoto Denki Co., Ltd. ... Murayasu Electric  
Industries Co., Ltd. ... Mitsuboshi Chuki Mfg. Co., Ltd. ... Morio Denki Co., Ltd. ... Naniwa Sohbi  
Kosakusho K.K. ... Schindler Elevator Co., Ltd. ... Nippon Controls Co., Ltd. ... Nippon Kogaku Kogyo K.K. ...  
Noritake China Co., Ltd. ... Oshima Hardware Co., Ltd. ... Showa Shokki K.K., Ltd. ... Sanwa Churi Kogyo  
K.K. ... Takashima Co., Ltd. ... Tokyo Sensen Kikai Seisakusho ... Toto Kiki Co., Ltd. ... Uchida Yoko Co.,  
Ltd. ... Washio Churi Kogyo K.K. ... Yuasa Hardware Co., Ltd.

## **TACHOMETERS**

Kuramoto Instrument ... Nippon Zosen Kikai ... Nunotani Hakuyo Keiki Kogyo ... Toyo Electronics

## **TANK CLEANING SYSTEMS**

Misuzu Machineries & Engineering ... Niikura Kogyo ... Tomoe Engineering

#### TANK HEATING SYSTEMS

Chugoku Seiki Senpaku ... Nippon Algonquin

#### THERMOMETERS

Hyoda Gauge ... Meiyo Electric ... Murayama Denki ... Nagano Keiki Seisakusho ... Rikadenki Kogyo

#### TURBO CHARGERS

Ishikawajima-Harima Heavy Industries ... Mitsubishi Heavy Industries ... Mitsui Engineering & Shipbuilding

#### VALVES & PIPEFITTINGS

Fukui Seisakusho ... Keihin Seiki ... Kitamura Valve Seizo ... Mitsumoto Valve ... Nakakita Seisakusho ... Niigata Engineering ... Niikura Kogyo ... Nippon Air Brake ... Okano Valve ... Osaka Valve ... Saginomiya Seisakusho ... Tlv ... Taisei Kinzoku Industries ... Teikoku Piston Ringv Toa Valve ... Tomoe Valve ... Venn Valve ... Yamatake-Honeywell

#### WINCHES & WINDLASSES

BLM Far East Co., Ltd. ... Fukushima Ltd. ... Ishikawajima-Harima Heavy Industries Co., Ltd. ... Japan Steel Works Ltd. ... Kawasaki Heavy Industries Ltd. ... Kitagawa Iron Works Co., Ltd. ... Kubota Ltd. ... MacGregor-Kayaba, Ltd. ... Marol K.K. ... Masago Industries Co., Ltd. ... Mitsubishi Heavy Industries, Ltd. ... Mitsui Engineering & Shipbuilding Co., Ltd. ... Nippon Ican Ltd. ... Nippon Pusnes Co., Ltd. ... Nittan Valve Co., Ltd. ... Osaka Chain & Machinery Co., Ltd. ... Sekigahara Seisakusho ... Shinko Electric Co., Ltd. ... Tobu Juko K.K. ... Tokyo Kikai Service Co., Ltd. ... Tsuji Industries Co., Ltd. ... Yoshida Denki Kogyo K.K. ... Yutani Heavy Industries Ltd. ... Yutani Iron Works Co., Ltd.

#### WINDOWS & SCUTTLES

Kokosha ... Kumata Industry ... Setouch