

Notice to Users of the Catalog for All Power Control Equipment

Among all the various products handled by Tokyo Keiki Fluid Power & Control Systems Company, this catalog provides a comprehensive guide to the company's major hydraulic units, such as pumps, control valves, motors, radio remote control systems, power units, sensors and other units. Please read carefully through the various details and information presented in the catalog, and select the products with the specifications that meet your requirements.

● Configuration

This catalog organizes the company's products into 16 categories, and it presents selection tables, product photos, cutaway illustrations, functional symbols, model descriptions, specifications, characteristics curves, notes on operation, dimensions and constructions.

Furthermore, lists of technical information and O-rings can be found in the appendices at the end of the catalog.

● Special specifications for hydraulic fluids

The use of fire resistant fluids or phosphate ester fluids requires that special constituent parts be used in the equipment. The use of these special parts is indicated by the addition of the following symbols at the beginning of the model designation.

◇ When water-glycol based fluids are used (F11)

Although almost all the control valves can be used with the standard specifications, (F11) is added to the model designations of those units for which special specifications are required. It should also be borne in mind that some units cannot be used with water-glycol based fluids.

◇ When phosphate ester fluids are used (F3)

◇ Please contact Tokyo Keiki when any other special hydraulic fluids are to be used.

● Common particulars

◇ How the valve sizes are indicated: The "size of the mounting surface" is indicated for valves employing a mounting surface compliant with the ISO 4401 standard; the "size" of the valves is indicated for all other valves.

◇ Design no.: These are indicated using two digits. Specifications and design numbers are subject to change without notice as a result of product improvements, design changes or other factors. For this reason, please ask for the product drawings ahead of time when designing your systems, etc. However, if a change is made to one digit only (such as from '10' to '11'), the specifications and mounting dimensions will remain unchanged.

◇ Code at the end of the model code

-J: For products featuring a connection port used for tapered-thread pipes, this code indicates that the thread is a tapered thread for JIS pipes.

◇ Filtration:

Unless otherwise specified, use filters with a filtration grain size of 25 µm or less for high-pressure lines or return lines.

◇ Machining accuracy of the valve mounting surfaces: Machine the surfaces on which the gasket mounting types of valves are to be mounted to the following accuracy.

Surface Roughness	1.6 µm Ra or less
Flatness	0.012 or less per □ 100 mm

◇ The constructions presented in the catalog are reference drawings for specifying the O-rings and other consumable parts: As such, these drawings are not intended to be used for disassembling the products.

(Precautions)

● When exporting any of Tokyo Keiki's hydraulic equipment or electronic equipment products which are listed as non-proliferation control non-applicable products, these products will be subject to the complementary export controls for the nonproliferation of weapons of mass destruction, etc. or complementary export controls relating to conventional weapons (catch-all controls). Please check the objective requirements (end users and end uses) and the information requirements, etc. (subject to the end user's discretion), and if the products are subject to export controls, ensure that an export permit is obtained from the Minister of Economy, Trade and Industry.

● In some cases, Tokyo Keiki may ask you to submit written confirmation to ensure that the products will not be exported illegally. We ask that you understand our position and provide us with the requisite cooperation.

● Please bear in mind that transactions are prohibited with those countries which are subject to sanctions under United Nations resolutions and with the fourth region (Iran, Iraq and North Korea) specified in the annex of Japan's Export Trade Control Ordinance.

* The above stipulations do not necessarily apply in the event that changes have been made to the applicable laws or ministerial ordinances. (As of August 2012)

(Concerning the issuance of commodity classification forms (parameter sheets))

If any of Tokyo Keiki's hydraulic equipment products are to be exported overseas, exporters may be asked for the commodity classification forms (parameter sheets) during customs clearance in compliance with the Foreign Exchange and Foreign Trade Control Law. If these parameter sheets are needed, please enter the required details on a request form and, using the contacts made when you purchased the products, ask Tokyo Keiki to supply these forms.

The request form can be downloaded from our home page.

* It may take one week or so for the commodity classification forms (parameter sheets) to be issued.