

OMKAR SUPRANATIONAL
PRIVATE LIMITED

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Toyooki

Our principle M/s Toyooki Kogyo Co. Ltd., Japan is one of the biggest manufacturers of Hydraulic pumps, Valves & accessories since 1958 as per JIS standards. They are part of well known JTEKT group in Japan. Their products are already working in India on machine like Toyoda grinding, AIDA presses and any other Japanese machines.

Toyooki's Product Range

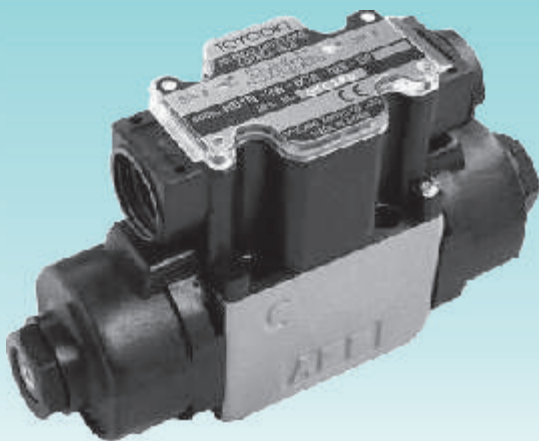
- Hydraulic Pumps
- Hydraulic Pumps & Valves
- Hydraulic Cylinders
- Multi Dry Filters (AT-T)
- Special Air Operated Direction Control Valves(AD-SL)

Selection Chart for Hydraulic Pump

Type		Rated Pressure (Mpa)	Max. Pressure (Mpa)	Rated Speed (min ⁻¹)	Flow (L/min) [at rated speed under no load]							
					0	50	100	150	200	250	300	
Vane Pump	Fixed-displacement Pump	HVP-FA1	7	10.5	1,800	■ 4.1~19.1						
		HVP-FC1				■ 8.5~65						
		HVP-FE1			1,200	■ 57~138						
		HVP-FC2	14	14		■ 29~87						
	Variable-displacement Pump	HVP-VB1	7 (3.5)	7	1,800	■ 5~12						
		HVP-VC1				■ 10~26						
		HVP-VD1			1,200	■ 18~45						
		HVP-VF1				■ 47~100						
HVP-VG1	■ 104~133											
Gear Pump	External Gear Pump	HGP-OA2	15	17.5	1,800	■ 1.7~5.2						
	Internal Gear Pump	TCP2	17.5	21	1,800	■ 10~20						
		TCP3				■ 24~48						
		TCP4				■ 62~96						
		TCP5				■ 112~230						
	Internal Gear Pump (2-stage TYPE)	TCP2T-H	25	30	1,800	■ 10~20						
		TCP3T-H				■ 24~48						
		TCP4T-H				■ 62~96						
		TCP5T-H				■ 112~230						
Piston Pump	HPP-VB2V	14	14	1,800	■ 4~14							
	HPP-VC2V				■ 5~26							
	HPP-VD2V				■ 12~56							
	HPP-VF2V	7	7		■ 23~113							

Hydraulic Valves

TYPES OF VALVES		MODEL NO.
Direction Control Valves - used for opening / closing of lines in hydraulics circuits and controlling direction of flow of fluid	Solenoid Operated	HD1 / HD3
	Manually Operated	HD
	Mechanical Operated	HDD3 / HD1 / HD3
	Check Valve	HK3 / HK2
Pressure Control Valves - controls the hydraulic circuit pressure	Relief Valve	HR / HT / HRD / HRU
	Pressure Reducing Valve	HG
	Sequence Valve	HQ
Flow Control Valves - controls the flow rate the hydraulic fluid		HF / HFD / HFDF
Multifunction Valve - used for reducing piping in hydraulic circuit as circuit becomes complicated		MF3N



Control Valves



Multi Dry Filters (AT-T)



Special Pneumatic Valves(AD-SL)

Application Area

- | | | | |
|------------------|------------|-------------|-------------|
| a) Machine Tools | b) Steel | c) Chemical | d) Shipping |
| e) Forging | f) Textile | g) Tyre | h) Printing |

As the Toyooki's products are manufactured according to JIS standards, these products are directly replaceable for other Japanese Brands. We have replaced other Japanese products by our Toyooki Products as our products are competitively priced. Toyooki products are used on machines like Grinding Machines of TOYODA, AIDA presses & Zinc Die Casting machines of HISHINUMA & SHINOJUKA from Japan.

For any hydraulic application of your system and if you wish to improve working and efficiency of your hydraulic system, feel free to contact us.

Authorised Distributors of M/S Toyooki Kogyo, Japan in India

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