

Features

The Tominaga Fuel Pumps are compact-designed with built-in air separator and provide superior performance and high reliability. Their flow rates are adjustable from low to high.



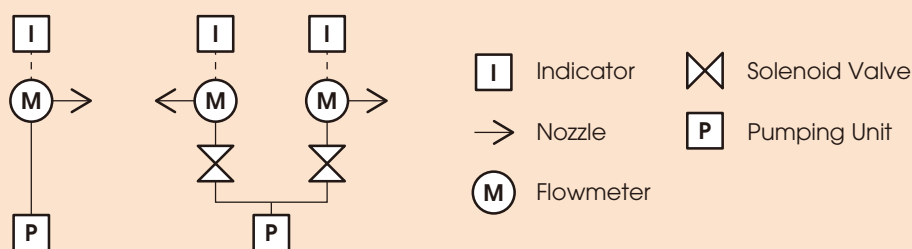
Specifications

EQUIPMENT	PUMPING UNIT
MODEL	PA6

Type	Internal Gear Pump
Fluid Condition	Fluid to be used Gasoline : JIS K 2202 or equivalent Kerosene : JIS K 2203 or equivalent Diesel Fuel : JIS K 2204 or equivalent Fuel Oil : JIS K 2205 Class 1 Types 1 & 2 or equivalent
	Max. Working Pressure : 0.3 MPa Viscosity : 8 Mpa-sec or below
Environmental Condition	Ambient Temp. : -30 to +50 °C Humidity : 5 to 95%
Design Pressure	4 Mpa Maximum Permissible Working Pressure : 2 Mpa
Discharge Volume	0.0902 liters per rev.
Flow Rate	* refer to sheet 2/2
Air Separation	by built-in Air Separator
Filtration	by built-in Strainer (100 mesh) and built-in Filter (200 mesh)
Built-in Valves	Check Valve, Bypass Valve, Regulating Valve and Vent Valve
Connection	Inlet : 36 mm Square Flange Outlet : 38 mm Oval Flange
Materials	Casing : AC4CH-T6 JIS H 5202 (Aluminum Alloy Casting) Liner : FC200 JIS G 5501 (Iron Casting) Rotor : FC200 JIS G 5501 (Iron Casting) Pinion Gear : FC200 JIS G 5501 (Iron Casting) Pump Shaft : S45C JIS G 4051 (Carbon Steel)
Miscellaneous	NPSH : 4 meters (Gasoline)
Weight	16.2 kg

Remarks : Maximum flow rate varies according to pressure loss at both suction and discharge sides.

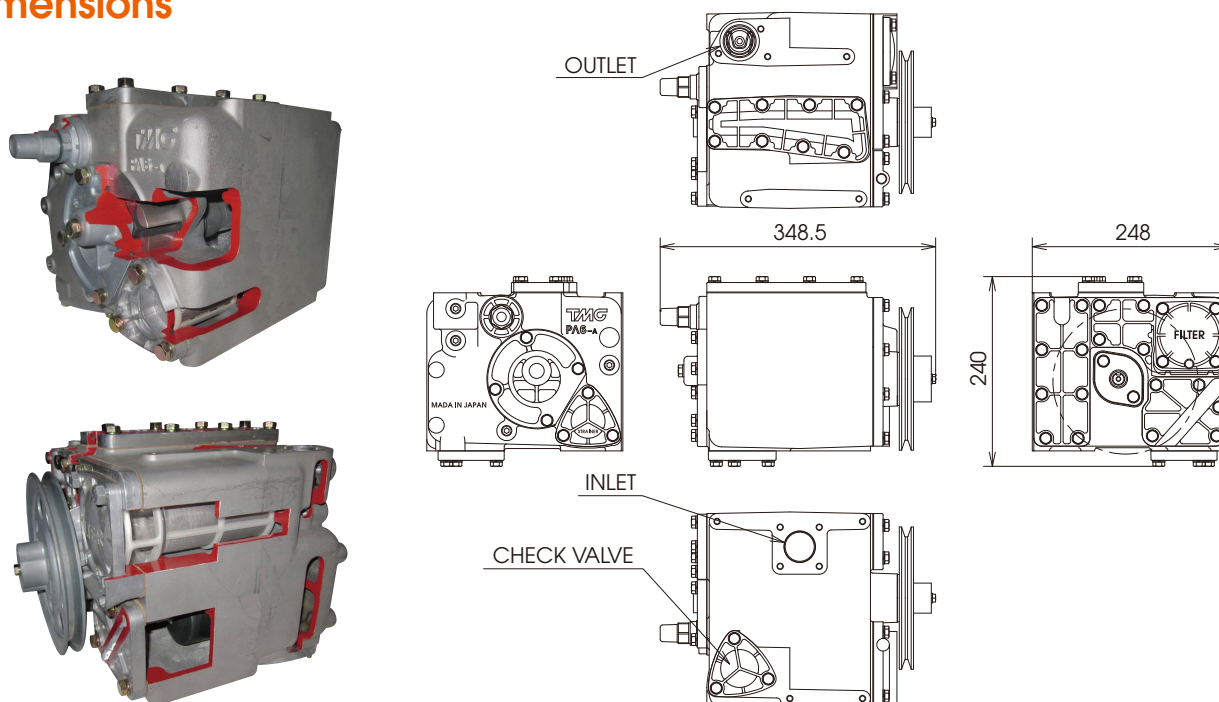
Piping Diagram



Flow Rate

Model of Pumping Unit	PA6-1		PA6-3		PA6-4		
Bypass Valve Spring	Type	D	D	D	E		
	Size (mm)	L86	L86	L86	L96		
Bypass Valve	Type	1	3	3	3		
	Size (mm)	∅ 26.2	∅ 26.1	∅ 26.1	∅ 26.1		
Fluid	Gasoline			Diesel			
Components connected to Pumping Unit							
Flowmeter	Qty.	1	2	1	2	1	2
	Hose	Qty.	1	2	1	2	1
	I.D. (mm)	∅16				∅19	
	Length (m)	L4.0					
Nozzle	Qty.	1	2	1	2	1	2
	I.D. (mm)	∅ 21				∅ 25	
R.P.M (rpm)	710		710		950		
Set Pressure of Bypass Valve (Mpa)	0.20	0.18	0.20	0.18	0.24		
Flow Rate at Nozzle end (L/min)	1 Nozzle	45	40	45	40	70	70
	2 Nozzles	-	30	-	30	-	40

Dimensions



Manufacturer

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