

替换双向转数控制系统上最适合使用的泵!

Ideal for a replacement of your pump to realize your bi-rotational control system!

替换简单

Easy Replacement

通过替换现行使用中的转数控制系统的单个泵，可以很简单的将控制系统改为双向型。

If your pump is replaced by this pump in your existing uni-rotational control system, the system will change to bi-rotational one.

低发热量

Low Heat Generation

可以通过泵改变液压油的流向，与以前的方向控制切换相比能控制压力损失并抑制机械发热。

Compared with conventional directional control valves, this pump can minimize pressure loss and heat generation in the relevant machine because the pump itself switches the flow direction of the fluid.

节能

Energy Saving

转数控制系统上使用，可匹配机械设备所需的转数并运转，可抑制不必要的动力损失。

When the pump is used as a bi-rotational control system, power loss can be minimized because the rotation speed meets the requirement of the relevant machine.



双向转数控制型柱塞泵 SA1039

Bi-Rotational Piston Pump

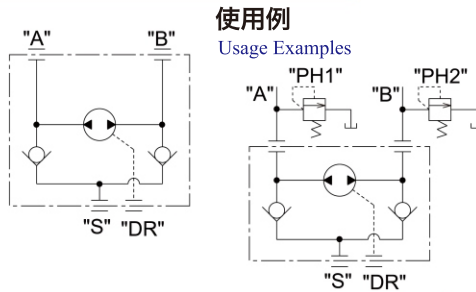


与伺服马达组装的图例
With Servo Motor

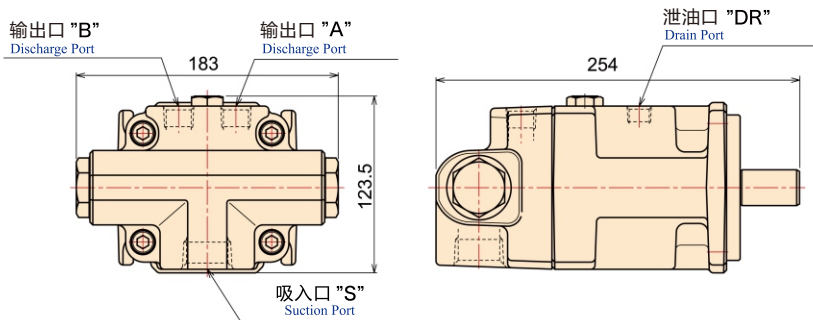
参数 Specifications

系列号 Series Number	SA1039
最高使用压力 Max. Operating Pressure	30 MPa
几何排量 Geometric Displacement	6.7/11.9 cm ³ /rev
最高转速 Max. Shaft Speed	2400 r/min

液压图形符号 Graphic Symbol



外形 Outline

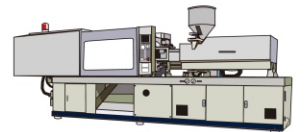
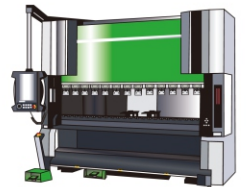


用途 Application

锻压机
Forming Machine

冲压控制器的冲压驱动
Ram Drive of Press Brake

注塑机
Injection Moulding Machine



与方向阀对比 Comparison of Direction Switching Systems

单向转泵回路方式 Uni-Rotational Pump System



单向转泵 (可调流量型)
Unidirectional Rotation Pump (Variable Displacement Type)

方向控制阀
Directional Controlled Valves

执行元件
Actuator

通过方向控制阀改变液压油的流向，液压回路会产生压力损失。
Since a directional controlled valve switches the flow direction of the fluid, pressure loss occurs in the hydraulic circuit.

双向转泵回路方式 Bi-Rotational Pump System



双向转泵
Bi-Rotational Pump

溢流阀
Relief Valves

执行元件
Actuator

可以通过泵切换液压油的流向，从而控制回路上的压力损失并抑制机械设备的发热。
Since a pump switches the flow direction of the fluid, pressure loss in the hydraulic circuit and heat generation in the relevant machine are minimized.