
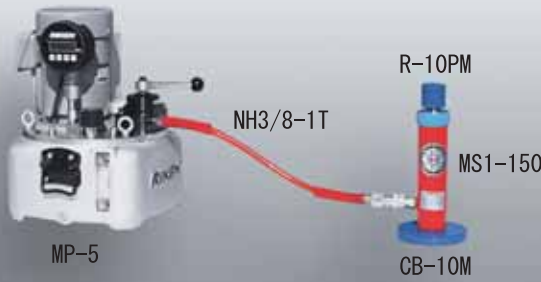
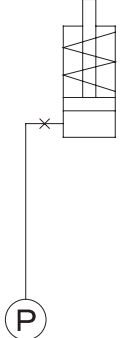
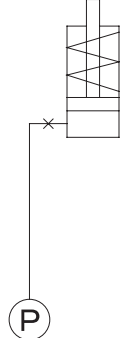
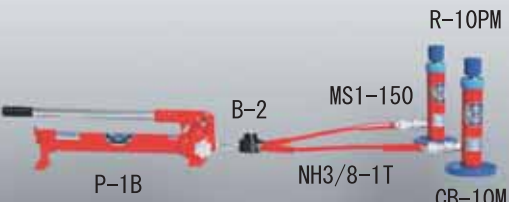
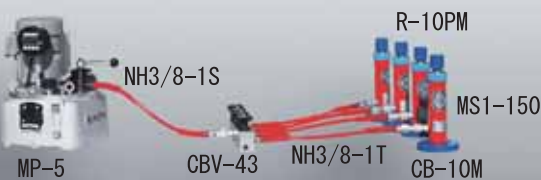
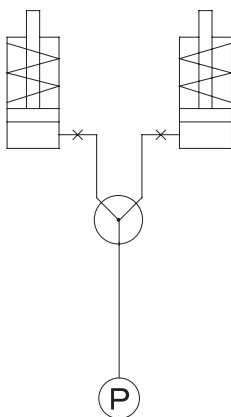
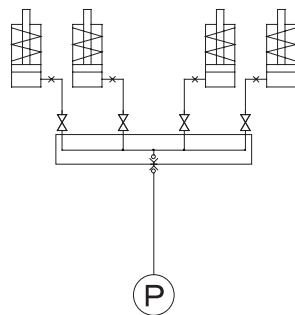
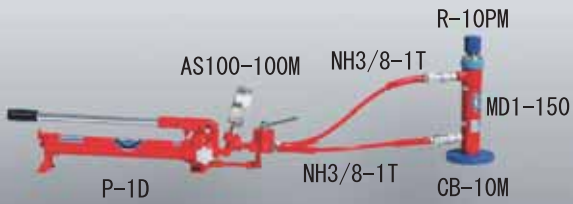
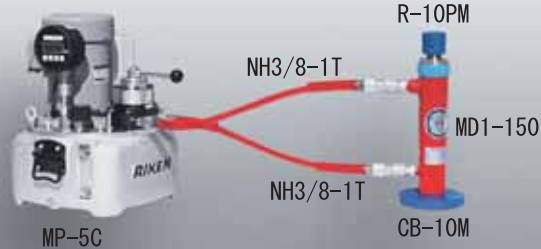
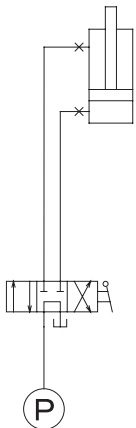
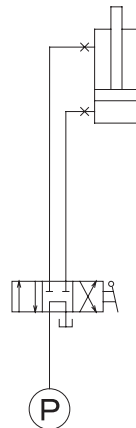
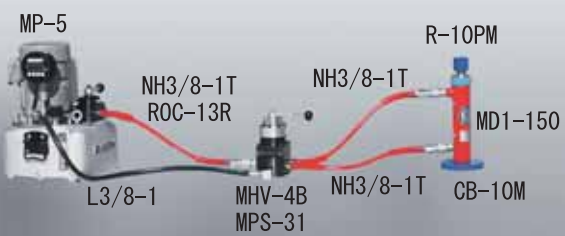

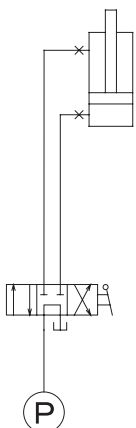
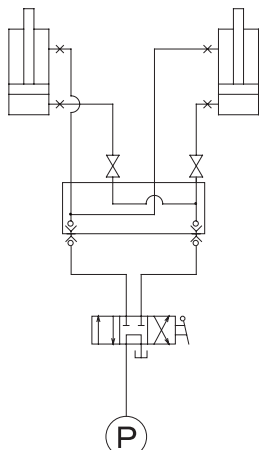


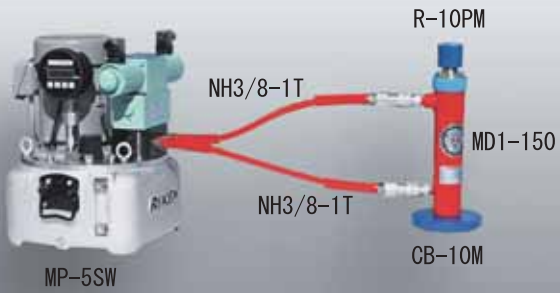
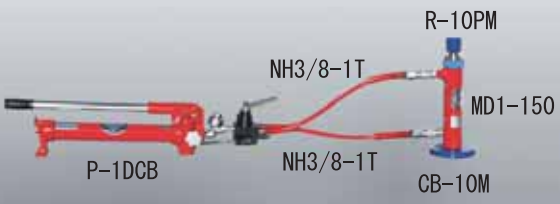
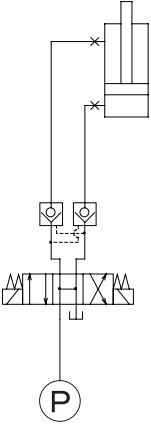
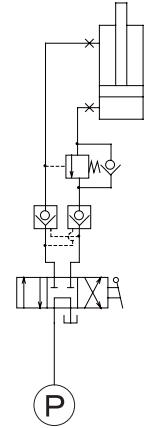
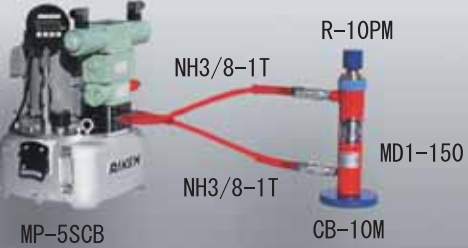
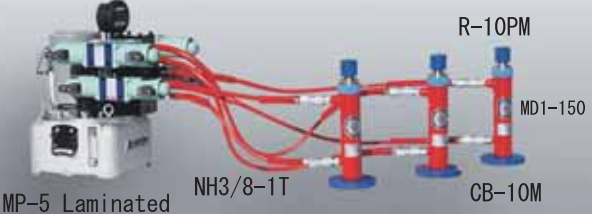
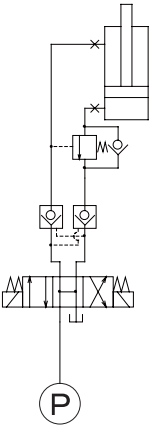
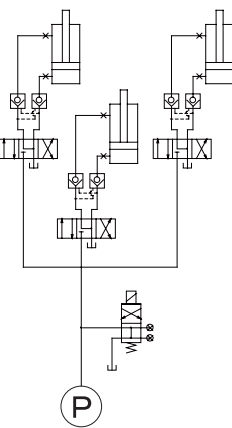
Examples of combinations

<p>Type 1</p> 	<p>Type 2</p> 		
	<ul style="list-style-type: none"> ● A basic combination of a manual pump and a single-acting cylinder. ● To mount a pressure gauge, the mounting fixtures such as T-1 (coupler connection) and T-2/T-5 (screw-in), etc. are required. 		<ul style="list-style-type: none"> ● An example of the combination of an electric pump and a single-acting cylinder. ● The electric pump should be selected according to the cylinder speed required. See the cylinder speed table (P. 205).
<p>Type 3</p> 	<p>Type 4</p> 		
	<ul style="list-style-type: none"> ● A branch is required to use more than one cylinder by one pump. ● Two types of branches _ pump connection type and hose connection type _ are available. (See P. 155.) 		<ul style="list-style-type: none"> ● Similar to Type 3, but in this case valves are attached to the branch, which can stop the cylinder from being used.

Examples of combinations

<p>Type 5</p> 	<p>Type 6</p> 
 <ul style="list-style-type: none"> ● A combination of a manual pump and a double-acting cylinder. ● To use a double-acting cylinder, a pump with a 4-way change valve is required. 	 <ul style="list-style-type: none"> ● A typical combination to operate a double-acting cylinder by an electric pump with a 4-way manual change valve. ● Similar to Type 5, a pump with a 4-way change valve is required to use the double-acting cylinder.
<p>Type 7</p> 	<p>Type 8</p> 
 <ul style="list-style-type: none"> ● The change valve can be placed away from the pump, facilitating the operation. ● Change valves with a square flange to fix the change valve to a panel, etc. are also available. 	 <ul style="list-style-type: none"> ● Branches are required for the push/pull sides respectively when using more than one double-acting cylinder by one pump, but with BW-23 and -24, two double-acting cylinders can be used as standard products.

Examples of combinations

<p>Type 9</p> 	<p>Type 10</p> 
	<ul style="list-style-type: none"> ● A solenoid valve version of Type 6. ● The combined use of valves, etc. may be required depending on the type of work. ● Consult us for further information concerning valve combinations, etc.
	<ul style="list-style-type: none"> ● Falling under self-weight while the cylinder is moving down a heavy load can be prevented. ● The counterbalance valve is adjusted to a pressure appropriate for the heavy load to ensure smooth operation. (External pilot system)
<p>Type 11</p> 	<p>Type 12</p> 
	<ul style="list-style-type: none"> ● A solenoid valve version of Type 10. (External pilot system)
	<ul style="list-style-type: none"> ● An electric pump attached with an Esperblock of a laminated valve unit. ● Piping joints between valves, etc. are not required. Compact and easy to configure/change the circuits.