Valve Manifold CPV10/CPV14 with Flow Controls

CPV Valve Manifold
The CPV valve manifold concept assures high flow rates in extremely tight spaces. In particular, it allows for a flexible mix of pneumatic features, electrical connection options and diverse mounting options.

Optimized Design
- Compact dimensions
- Sturdy metallic design
- Can be used with or without multiple connector plates
- Easier identification with the respective valve because it is directly mounted
- Label holder makes allocation easier
- Can be adjusted from the “front” at the CPV operating level

Enhanced Flow Control
With the addition of a valve extension, the CPV expands to include additional pneumatic functions while reducing the amount of components and tubing required:
- Two one-way flow control valves for regulating flow rate directly at the valve terminal – for controlling either supply or exhaust air, or for vacuum
- Unique vacuum functions: integrated check function as vacuum flow control and adjustable ejector pulse

Applications
Ideal for the process industry, and wherever inaccessible drives are combined with remote controlled cylinder speeds

For more information: www.festo.com/us/cpv
Valve Manifold CPV10/CPV14 with Flow Controls

CPV Valve Manifold with Enhanced Functions
These additional functions, namely the one-way flow control valve for supply or exhaust air and the vacuum restriction module, are mounted directly on the valve. Inaccessible installed one-way flow control valves can be replaced with the one-way flow control valves mounted on the CPV terminal. The vacuum restriction module can be used in combination with a vacuum pump or an integrated vacuum generator, and provides a check function as well as an adjustable ejector pulse.

Supply air flow control, two one-way flow control valves
Functional module CPV...-BS-2 x GRZZ-... (code P)
Module (adapter) for direct mounting on CPV valves. Also suitable for pneumatic multiple connector plates.

Exhaust air flow control, two one-way flow control valves
Functional module CPV...-BS-2 x GRAZ-... (code Q)
Module (adapter) for direct mounting on CPV valves. Also suitable for pneumatic multiple connector plates.

One-way flow control valve for vacuum
Functional module CPV...-BS-2 x GRZ-V-... (code V)
The module includes a built-in check valve, as a flow control function for adjusting the ejector. The check valve temporarily maintains vacuum, even if the vacuum generator is switched off. The vacuum function can be used with CPV vacuum generators, or in combination with 2/2-way valves with vacuum pump.

CPV Valve Manifold
• Extremely high flow rates in the tightest of spaces
• On-site mounting
• Short tubing lengths, short cycle times
• Highly diverse valve functions
• Comprehensive electrical connection concept
• Holistic mounting and installation concept
• Pneumatic multiple connector plate
• The CPV is especially well suited for decentralized system concepts
• Extremely rugged metallic valve design
• Pneumatic multiple connector plate with opening allows for installation on control cabinets
• IP 65 sealing

<table>
<thead>
<tr>
<th>Functional modules for type</th>
<th>CPV10</th>
<th>CPV14</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPV...-BS-2 x GRZZ-... (code P)</td>
<td>Flow rate: 0 ... 400 l/min</td>
<td>Flow rate: 0 ... 800 l/min</td>
</tr>
<tr>
<td>2 one-way flow control valves, supply air flow control</td>
<td>Width: 10 mm</td>
<td>Width: 14 mm</td>
</tr>
<tr>
<td>CPV...-BS-2 x GRAZ-... (code Q)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 one-way flow control valves, exhaust air flow control</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CPV...-BS-2 x GRZ-V-... (code V)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>One-way flow control valve for vacuum</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Festo Corporation
For ordering assistance, or to find your nearest Festo Distributor,
Call: 1.800.99.FESTO
Fax: 1.800.96.FESTO
Email: customer.service@us.festo.com
Visit: www.festo.com/us
For technical support,
Call: 1.866.GO.FESTO
Fax: 1.800.96.FESTO
Email: product.support@us.festo.com