A quick match

Your selection tool for choosing valves and valve terminals.
The valve series at a glance:

From individual valves...

 Vox, cost-effective, expandable

Valves VUVS/VTUS
- Low-cost
- Very sturdy and capable of high flow rates
- Pneumatic and electrical valve control
- External pilot air supply possible via manifold rail
- Three valve sizes

Valve/valve terminal VUVG/VTUG
- Low-cost valve range – from individual valves to fieldbus connections
- Pneumatic and electrical valve control
- Compact and capable of high flow rates
- Convenient for in a control cabinet
- Three valve sizes

Valve terminal CPV
- Compact, light, with maximum power density
- Direct integration of numerous fieldbus interfaces
- Compact in a fixed grid
- Direct integration in a control cabinet
- Three valve sizes

A multitude of application-specific valves and valve terminals rounds off our offer, for example:

- The Clean Design valve terminal MPA-C – particularly easy to clean and in IP69k
- The pilot/miniature valve terminal VTOC – particularly compact with interlock option for greater security
... to automation platforms.

Intelligent, communicative, forward-looking

Valve terminal MPA-L
- Highly modular – simple expansion, valve by valve
- High-quality and lightweight polymer housing
- Wide range of electrical connection options
- Three valve sizes available

Valve terminal MPA-S
- Excellent communication options thanks to serial linking
- Intelligent diagnostics concept
- Integrated proportional technology
- Unrivalled: largest number of valve positions on one valve terminal
- Pneumatic and electrical function integration
- Two valve sizes available

Valve/valve terminal
VSVA/VTSA
- According to standard or as a high-flow variant
- Sturdy
- Pneumatic function integration
- Wide range of electrical connection options
- For all applications with high flow rates
- Solutions for safety-related pneumatics
- Five valve sizes available
## Electrical communication capability

### Fieldbus CPX

- CANopen
- CC-Link
- EtherCAT
- Profinet
- M奠基
- Modbus TCP
- POWERLINK
- CODESYS
- sercos

### Fieldbus CTEU

- CANopen
- CC-Link
- EtherCAT
- Profinet
- M奠基
- Modbus TCP
- POWERLINK
- CODESYS
- sercos

**Fieldbus CTEU**

### Multi-pin plug

**VTUG plug-in**

<table>
<thead>
<tr>
<th>700</th>
<th>1300</th>
<th>380</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>18</td>
<td>10</td>
<td>14</td>
</tr>
</tbody>
</table>

### Individual connection

**VTUS**

<table>
<thead>
<tr>
<th>700</th>
<th>1300</th>
<th>2000</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>25</td>
<td>30</td>
</tr>
</tbody>
</table>

### Individual valve

**VUVS**

<table>
<thead>
<tr>
<th>700</th>
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<td>20</td>
<td>25</td>
<td>30</td>
</tr>
</tbody>
</table>

**VUVG**

<table>
<thead>
<tr>
<th>100</th>
<th>300</th>
<th>600</th>
</tr>
</thead>
<tbody>
<tr>
<td>10A</td>
<td>10</td>
<td>14</td>
</tr>
</tbody>
</table>

Find your suitable solution here!
Seamlessly in...

Fieldbus/Ethernet

**IO-Link thanks to I-Port interface:**
Direct connection to conventional IO-Link master systems or CPX-CTEL.
Power supply and communication via a low-cost 5-pin standard cable.

**CAPC adapter with CTEU**
From fieldbus node right up to a small installation system with the adapter CAPC:
With a bus node, up to two I-Port devices can be connected via an adapter CAPC.

**CPX-CTEL**
Easy connection to the world of CPX!
The installation system CTEL.
Decentralised and economical installation of up to four I-Port devices and/or input modules per CTEL module.

You can find further IO-Link products here:
→ [www.festo.com/io-link](http://www.festo.com/io-link)

More information on the fieldbus CTEU:
→ [www.festo.com/cteu](http://www.festo.com/cteu)

* via CAPC adapter or CTEL module
# Technical data

## Valve terminals

<table>
<thead>
<tr>
<th>Product</th>
<th>Valve function</th>
<th>Design</th>
<th>Width (mm)</th>
<th>Flow rate (QnN in 1/min)</th>
<th>Pneumatic connection</th>
<th>Max. valve positions/ max. solenoid coils</th>
<th>Function integration</th>
<th>Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPV</td>
<td>5/2 5/3 2x3/2 2x2/2</td>
<td>Valve with integrated subbase</td>
<td>10</td>
<td>400</td>
<td>M7 (QS 4/6); 1/4&quot;, 1/8&quot;, 5/16&quot;</td>
<td>8/16 (multi-pin/fieldbus)</td>
<td>Vacuum generator Flow control modules Interlock</td>
<td>IP40 IP65</td>
</tr>
<tr>
<td>MPA S</td>
<td>5/2 5/3 2x3/2 2x2/2 3/2</td>
<td>Sub-base valve</td>
<td>10</td>
<td>360</td>
<td>M7 (QS 4/6); 3/16&quot;, 1/4&quot;</td>
<td>8/8 (AS-interface) 24/24 (multi-pin) 32/32 (CP) 64/128 (CPX)</td>
<td>Pressure regulator Pressure shut-off plate Pressure measurement module Proportional-pressure regulator Voltage zones Extended diagnostics Restrictors</td>
<td>IP65</td>
</tr>
</tbody>
</table>

## Valves

<table>
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<tr>
<th>Product</th>
<th>Valve function</th>
<th>Design</th>
<th>Width (mm)</th>
<th>Flow rate (QnN in 1/min)</th>
<th>Pneumatic connection</th>
<th>Voltage</th>
<th>Electrical connection</th>
<th>Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>VUVS/VTUS</td>
<td>3/2 5/2 5/3</td>
<td>In-line valve</td>
<td>20</td>
<td>700</td>
<td>G1/8 (QS 4/6/8)</td>
<td>12 VDC</td>
<td>Connector socket type B (from 25 mm width) or type C</td>
<td>IP 65 IP 67</td>
</tr>
<tr>
<td>VUVG/VTUG</td>
<td>5/3 2x3/2-way</td>
<td>In-line valve Semi in-line valve Sub-base valve</td>
<td>10</td>
<td>100</td>
<td>M3 (QS 3/4); 1/8&quot;, 5/32&quot;</td>
<td>5 VDC</td>
<td>Plug Stranded wire Cable Plug M8</td>
<td>IP40 IP65</td>
</tr>
<tr>
<td>VSVA/VTIA</td>
<td>5/2 5/3 2x3/2-way 2x2/2</td>
<td>Sub-base valve (ISO 15407-1) (ISO 5599-1)</td>
<td>18</td>
<td>550</td>
<td>G1/8; 1/8 NPT</td>
<td>12 VDC</td>
<td>Central plug M8 Central plug M12 Square plug Form C</td>
<td>IP65</td>
</tr>
</tbody>
</table>

You can find information about other valves and valve terminals at:

→ [www.festo.com/valves](http://www.festo.com/valves)

→ [www.festo.com/valveterminals](http://www.festo.com/valveterminals)
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With our product finder and the features selector in the online catalogue, you’ll quickly find the right product.
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