X-Valve® is a two-position, three-way universal solenoid valve, just 8mm in width. The X-Valve’s unitized body incorporates its functional features in a single glass-reinforced, PBT (Polybutylene Terephthalate) molded body.

### Features
- Provides compact size; only 8mm in width.
- Meets a range of pressure requirements including 6, 30 & 100 psi.
- Offers optional capabilities to meet a 0.016 sccm leakage specification (0.2 sccm for 100 psi) for over 25 million cycles.
- Ensures high reliability with its single piece body design.
- Allows for direct tubing connection or a radial seal for manifold assemblies through its universal barb design.

### Characteristics

<table>
<thead>
<tr>
<th>Physical Properties</th>
<th>Electrical</th>
<th>Performance Characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Valve Type:</strong></td>
<td><strong>Power:</strong></td>
<td><strong>Leak Rate:</strong></td>
</tr>
<tr>
<td>3-Way, 2 Position</td>
<td>0.5 Watt [low pressure model]</td>
<td>&lt; 0.016 sccm [6 psi Silicone]</td>
</tr>
<tr>
<td>NO, NC &amp; Distributor</td>
<td>1.0 Watt [high pressure model]</td>
<td>&lt; 0.16 sccm [6 psi EPDM &amp; FKM]</td>
</tr>
<tr>
<td>(100 psi, NC only)</td>
<td></td>
<td>&lt; 0.2 sccm [100 psi only]</td>
</tr>
</tbody>
</table>

| **Media:**           | **Voltage:** | **Response:**               |
| Non-Reactive Gases   | 3, 5, 12, 24 VDC | ≤ 20 msec cycling |
| and Select Liquids   |              |                            |

| **Operating Environment:** | **Electrical Connections:** | **Pressure:** |
| 0 to 50°C                | PC Pins, 4 mm centers (all models) | 0 to 6 psig |
| 15 to 50°C for 100 psi   |                            | 0 to 30 psig |

| **Storage Temperature:** | **Wetted Materials:** |
| -40 to 70°C              | PBT (Polybutylene Terephthalate); |
|                          | 430 Series Stainless Steel; 302 |
|                          | Series Stainless Steel (passivated); |
|                          | FKM (Fluoroelastomer); EPDM |
|                          | Ethylene Propylene Diene Monomer; |
|                          | and Silicone |

**Consult factory for details.**

### Wetted Materials

- PBT (Polybutylene Terephthalate);
- 430 Series Stainless Steel; 302 Series Stainless Steel (passivated);
- FKM (Fluoroelastomer); EPDM Ethylene Propylene Diene Monomer; and Silicone

**Consult factory for details.**

### Universal Style Solenoid Valve

**Power:**
- 0.5 Watt (low pressure model)
- 1.0 Watt (high pressure model)

**Voltage:**
- 3, 5, 12, 24 VDC
- Not all voltage options are available in all models. See Ordering Info.

**Electrical Connections:**
- PC Pins, 4 mm centers (all models)

**Leak Rate:**
- < 0.016 sccm [6 psi Silicone]
- < 0.16 sccm [6 psi EPDM & FKM]
- < 0.2 sccm [100 psi only]

**Response:**
- ≤ 20 msec cycling

**Pressure:**
- 0 to 6 psig
- 0 to 30 psig
- 0 to 100 psig

**Minimum Flow:**
- 4 lpm @ 6 psi
- 6 lpm @ 30 psi
- 9 lpm @ 100 psi

**Orifice Sizes/Equivalent Cv:**
- 0.020”/0.005 Cv [100 psid]
- 0.030”/0.010 Cv [30 psid]
- 0.045”/0.018 Cv [6 psid]

**Valve Type:**
- 3-Way, 2 Position
- NO, NC & Distributor (100 psi, NC only)

**Media:**
- Non-Reactive Gases and Select Liquids

**Operating Environment:**
- 0 to 50°C
- 15 to 50°C for 100 psi

**Storage Temperature:**
- -40 to 70°C

**Length:**
- 24 mm (.92 in)

**Width:**
- 7.9 mm (.31 in)

**Height:**
- 9 mm (.35 in)

**Spacing:**
- 8 mm [centerline]

**Porting:**
- Universal barbs for 1/16” I.D. tubing (1/32” Wall Max.); Manifold mount with X-seal

**Weight:**
- 0.16 oz (4.5 grams)

**Internal Volume:**
- 0.074 cm³ (.0045 in³)
Universal Style Solenoid Valve

Catalog PND-MSV-001/US

Miniature Solenoid Valves

Order on-line at www.parkerfluidics.com

Ordering Information

<table>
<thead>
<tr>
<th>Series</th>
<th>Model</th>
<th>Voltage</th>
<th>Electrical Connection</th>
<th>Elastomer</th>
<th>Optional Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>No: Pressure/Orifice/Wattage/Type</td>
<td>03: 3 VDC</td>
<td>05: 5 VDC</td>
<td>12: 12 VDC</td>
<td>24: 24 VDC</td>
<td>F: PFM</td>
</tr>
</tbody>
</table>

Sample Part ID Description

Options

X

1

05

1

F

Site

Order on-line at www.parkerfluidics.com

Parker Hannifin Corporation
Pneutronics Division
www.parker.com/pneutronics
Rev. 06/2007
Ten-X® is a 10mm solenoid valve with a two-position, two-way Normally Open (NO) design. Ten-X delivers repeatable “energized” and “de-energized” response times, low power, and flow capability to meet the specific performance requirements of Non-Invasive Blood Pressure (NIBP) devices.

### Features
- Delivers fast and repeatable “open” and “drop-out” response times (<5 msec includes first shot “open” times) critical to step deflation algorithms over the entire environmental temperature range and continuous duty operation of the valve.
- Highest flow of any 10mm solenoid valve with a Cv of 0.032 and flow of 8 slpm @ 6 psig.
- Meets the demands for bleed and dump processes, ensuring comfortable and safe operation.
- Single piece body design reduces total size and part count. Fewer parts increase reliability and reduce both the number of potential leak points and the overall “stack-up” tolerances.
- Universal barb design allows for maximum installation flexibility using either a direct tubing connection or a radial seal for manifold assemblies.

### Wetted Materials
- LCP [Liquid Crystal Polymer];
- 430 Series Stainless Steel;
- 302 Series Stainless Steel/
Nickel-Plated Silicone Elastomer

Consult factory for details.
Universal Style Solenoid Valve

Electronic Pressure Control

Flow

Ten-X NIBP Typical Air Flow

Minimum 8 SLPM @ 6 psig

Pressure Decay

Ten-X NIBP Pressure Decay vs. Pulse Width
(150 mmHg pressurized @ 40 ml volume - 2mmHg)

Ordering Information

<table>
<thead>
<tr>
<th>Sample Part ID</th>
<th>Description</th>
<th>914</th>
<th>1</th>
<th>1</th>
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<th>05</th>
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<th>1</th>
<th>000</th>
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<tr>
<td>Series</td>
<td>Elastomer</td>
<td>Type</td>
<td>Model</td>
<td>Voltage</td>
<td>Electrical Connection</td>
<td>Optional Accessories</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1: Silicon</td>
<td>1: 2-Way NO NIBP Only</td>
<td>No: Pressure/Driftice/Coil Wattage</td>
<td>1: 0-6 psi/0.060”/0.5 Watt</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5 VDC</td>
<td>1: Short Pin</td>
<td>000: No Accessories</td>
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<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>12 VDC</td>
<td>2: Long Pin</td>
<td>Accessories may be ordered separately at no extra charge: Screw: 191-000112-010, Gasket: 195-000211-001</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>24 VDC</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

To order, please call 1.603.595.1500
The 10mm SRS Series Plastic Solenoid Valve converts a digital electrical signal into a digital pneumatic output. The SRS Valve is constructed of engineering thermoplastics and non-corrosive metals to exceed the specifications demanded by critical applications in the life sciences.

**Features**

- Design incorporates thermoplastics and non-corrosive metals.
- Offers high-density manifold mounting with convenient manifold to PC board interface.
- Weighs only 0.23 ounces; perfect where low weight is critical to overall system.

**Physical Properties**

- **Valve Type:** 3-Way, 2 Position (NO, NC, & Distributor)
- **Media:** Gases and select liquids
- **Operating Environment:** 0 to 55°C
- **Storage Temperature:** -40 to 70°C
- **Length:** 1.5 in (38.1 mm)
- **Width:** 0.394 in (10 mm)
- **Height:** 0.61 in (15.49 mm)
- **Porting:** Manifold mount; Gasket and screws supplied
- **Weight:** .23 oz (6.57 grams)
- **Internal Volume:** 0.0267 cm³
- **Filtration:** 40 micron (recommended)
- **Lubrication:** None required

**Electrical**

- **Power:** 0.5, 1.0, or 2.0 Watts
- **Voltage:** 5, 12, 24 VDC + 10%

**Wetted Materials**

- **Crystalline Plastics:** PBT; LNP Thermocomp®
- **Elastomers:** FKM
- **Non-Corrosive Metals:** 302 Series Stainless Steel; 430 FR Series Stainless Steel; CMI-B Core Iron; Electroless Nickel Plating

**Flow**

**SRS Typical Air Flow**

- **Leak Rate:** <0.016 sccm (bubble tight)
- **Response:** <30 msec cycling (2 Watts)
- **Pressure:**
  - 0 to 85 psig [0.020” orifice]
  - 0 to 50 psig [0.030” orifice]
  - 0 to 20 psig [0.045” orifice]
- **Vacuum:**
  - 0-27 in Hg
- **Orifice Sizes/Equivalent Cv:**
  - 0.020”/0.0075 Cv
  - 0.030”/0.017 Cv
  - 0.045”/0.027 Cv

---

Thermocomp® is a registered trademark of General Electric Company.
Universal Style Solenoid Valve

Dimensions

ORDER ON-LINE at www.parkerfluidics.com

Parker Hannifin Corporation
Pneutronics Division
www.parker.com/pneutronics
Rev. 06/2007

NOTES:
1. Dimensions in [ ] are in mm.

Ordering Information

<table>
<thead>
<tr>
<th>Sample Part ID</th>
<th>SRS 10</th>
<th>2</th>
<th>P</th>
<th>V</th>
<th>12</th>
<th>M</th>
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<tbody>
<tr>
<td>Description</td>
<td>Series</td>
<td>Model Number</td>
<td>Type</td>
<td>Material</td>
<td>Seal Material</td>
<td>Voltage</td>
</tr>
<tr>
<td>Options</td>
<td>No: Pressure/Orifice/Coil Wattage</td>
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<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td></td>
<td>10</td>
<td>0-35 psi/0.020&quot;/0.5 Watt</td>
<td>3-Way NC</td>
<td>Engineering Plastic</td>
<td>FKM</td>
<td>5 VDC</td>
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<td></td>
<td>11</td>
<td>0-85 psi/0.020&quot;/0.5 Watt</td>
<td>3-Way NO</td>
<td></td>
<td></td>
<td>12 VDC</td>
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<tr>
<td></td>
<td>13</td>
<td>0-20 psi/0.030&quot;/0.5 Watt</td>
<td>Distributor</td>
<td></td>
<td></td>
<td>12 VDC</td>
</tr>
<tr>
<td></td>
<td>14</td>
<td>0-50 psi/0.030&quot;/1 Watt</td>
<td></td>
<td></td>
<td></td>
<td>24 VDC</td>
</tr>
<tr>
<td></td>
<td>15</td>
<td>0-10 psi/0.045&quot;/0.5 Watt</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>16</td>
<td>0-20 psi/0.045&quot;/1 Watt</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NOTE: Not all versions available for on-line purchase. Please consult Parker Life Sciences for other considerations. For more detailed information, visit us on the Web, or call and refer to Performance Spec. #790-002090-001 and Drawing #890-003061-001.
15mm Instrumentation Solenoid Valve

Series 11, 25, and 26 PC Mountable Solenoid Valves convert a digital electrical signal into a digital pneumatic output. The patented miniature design is preferred by medical and analytical OEMs worldwide and allows valves to be soldered directly onto a printed circuit board, providing both electrical termination and mechanical attachment. These valves power small cylinders directly or can be used to pilot larger valves that require high flow.

Features
✦ Offer a discrete valve design with a 200 million life cycle rating.
✦ Available in manifold mounting.
✦ Provide a range of electrical coil options, including PC mountable, spade lugs, or wire leads.
✦ Powerful enough for a range of uses that require high flow.

Physical Properties

Valve Type:
2-Way or 3-Way, 2 Position
(NO, NC, & Distributor)

Media:
Gases and select liquids

Operating Environment:
0 to 70°C

Storage Temperature:
-40 to 70°C

Length:
1.73 in (43.94 mm)

Width:
0.625 in (15.88 mm)

Height:
0.67 in (17.02 mm)

Porting:
10-32 tapped ports, 1/16”, 5/64”, or 1/8” Stem Barbs

Weight:
2.1 oz. (60 grams)

Internal Volume:
0.026 in³ (without fittings)

Filtration:
40 micron (recommended)

Lubrication:
None required

Electrical

Power:
0.5, 1.0, or 2.0 Watts

Voltage:
5, 12, 24 VDC + 10%

Wetted Materials

Body:
360 HO2 Brass; 302 Series Stainless Steel (passivated)

Stem Base:
385 HO2 Brass; 303 Series Stainless Steel (passivated)

All Others:
FKM; EPDM; 430 FR Series Stainless Steel (passivated);
302 Series Stainless Steel

Performance Characteristics

Leak Rate:
<0.016 sccm (bubble tight)

Response:
<30 msec cycling (2 Watts)

Pressure:
0 to 100 psig [0.030” orifice]
0 to 70 psig [0.050” orifice]

Vacuum:
0-27 in Hg

Orifice Sizes/Equivalent Cv:
0.030”/0.017 Cv
0.050”/0.035 Cv

Flow

Series 11, 25, 26 Typical Air Flow

0 10 20 30 40
0 5 10 15 20 25 30 35 40
Applied Pressure (psig)
Flow (slpm)
0.050” Orifice
0.030” Orifice
### Ordering Information

<table>
<thead>
<tr>
<th>Sample Part ID</th>
<th>Description</th>
<th>Series</th>
<th>Model Number</th>
<th>Type</th>
<th>Material</th>
<th>Voltage</th>
<th>Coil Type</th>
<th>Pneumatic Connection Body</th>
<th>Pneumatic Connection Stem</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>10</td>
<td>3</td>
<td>BV</td>
<td>12</td>
<td>P</td>
<td>7</td>
<td>7</td>
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</tr>
<tr>
<td>1</td>
<td>No: Pressure/Drift/Cell Wattage</td>
<td>110</td>
<td>0-100 psi/0.030'/2 Watts &amp; 100 psi/0.050'/2 Watts</td>
<td>1.2-Way NC</td>
<td>2.3 Way NO</td>
<td>3.3-Way NO</td>
<td>4.3-Way NO</td>
<td>5.5 VDC</td>
<td>6.0 No Barbs</td>
</tr>
<tr>
<td>2</td>
<td>0.050&quot;/1&quot; Barbs</td>
<td>112</td>
<td>0-70 psi/0.050'/2 Watts</td>
<td>1.2-Way NC</td>
<td>2.3 Way NO</td>
<td>3.3-Way NO</td>
<td>4.3-Way NO</td>
<td>5.5 VDC</td>
<td>6.0 No Barbs</td>
</tr>
<tr>
<td>3</td>
<td>0.075&quot;/1&quot; Tubing</td>
<td>113</td>
<td>0.025 psi/0.030'/1 Watt</td>
<td>1.2-Way NC</td>
<td>2.3 Way NO</td>
<td>3.3-Way NO</td>
<td>4.3-Way NO</td>
<td>5.5 VDC</td>
<td>6.0 No Barbs</td>
</tr>
<tr>
<td>4</td>
<td>0.125 Barbs</td>
<td>115</td>
<td>0-25 psi/0.030'/0.5 Watt</td>
<td>1.2-Way NC</td>
<td>2.3 Way NO</td>
<td>3.3-Way NO</td>
<td>4.3-Way NO</td>
<td>5.5 VDC</td>
<td>6.0 No Barbs</td>
</tr>
<tr>
<td>5</td>
<td>0-10 psi/0.050'/0.5 Watt</td>
<td>118</td>
<td>0-10 psi/0.050'/0.5 Watt</td>
<td>1.2-Way NC</td>
<td>2.3 Way NO</td>
<td>3.3-Way NO</td>
<td>4.3-Way NO</td>
<td>5.5 VDC</td>
<td>6.0 No Barbs</td>
</tr>
</tbody>
</table>

**NOTE:** Series 25 and Series 26 valves are no longer standard product. Not all versions available for on-line purchase. Consult factory for qualified opportunities. Please consult Parker Life Sciences for other considerations. For more detailed information, visit us on the Web, or call and refer to Performance Spec. #790-002075-001 and Drawing #890-003016-001.

Order on-line at www.parkerfluidics.com
15 mm PBT Body Solenoid Valves

The V2 valve offers a unique plastic body, which provides an economical solution without compromising on quality or reliability. Parker offers the versatile V2 in either a manifold mount design or with molded barbed fittings. This PC and manifold mountable solenoid valve converts a digital electrical signal into a digital pneumatic output.

Features
- Cost-effective, unique Polybutylene Terephthalate (PBT) body.
- Manifold mount design or molded barbed fittings to fit a range of needs.

<table>
<thead>
<tr>
<th>Physical Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>Valve Type: 2-Way or 3-Way, 2 Position (NO, NC, &amp; Distributor)</td>
</tr>
<tr>
<td>Media: Non-Corrosive Gases</td>
</tr>
<tr>
<td>Operating Environment: 0 to 70°C</td>
</tr>
<tr>
<td>Storage Temperature: -40 to 70°C</td>
</tr>
<tr>
<td>Length: 1.73 in (43.94 mm)</td>
</tr>
<tr>
<td>Width: 0.625 in (15.88 mm)</td>
</tr>
<tr>
<td>Height: 0.67 in (17.02 mm)</td>
</tr>
<tr>
<td>Porting: Barb fittings for 1/8” I.D. tubing or manifold mount</td>
</tr>
<tr>
<td>Weight: 1.2 oz (34.29 grams)</td>
</tr>
<tr>
<td>Internal Volume: 0.016 cm³ [nominal]</td>
</tr>
<tr>
<td>Filtration: 40 micron [recommended]</td>
</tr>
<tr>
<td>Lubrication: None required</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Electrical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power: 0.5, 1.0, or 2.0 Watts</td>
</tr>
<tr>
<td>Voltage: 5, 12, 24 VDC + 10%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Performance Characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leak Rate: &lt;0.2 sccm</td>
</tr>
<tr>
<td>Response: &lt;30 msec cycling (2 Watts)</td>
</tr>
<tr>
<td>Pressure: 0 to 100 psig [0.030” orifice] 0 to 30 psig [0.050” orifice]</td>
</tr>
<tr>
<td>Vacuum: 0-27 in Hg</td>
</tr>
<tr>
<td>Orifice Sizes/Equivalent Cv: 0.030”/0.017 Cv 0.050”/0.035 Cv</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Wetted Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>Body: PBT</td>
</tr>
<tr>
<td>Stem Base: 360 HO2 Brass</td>
</tr>
<tr>
<td>All Others: FKM; 430 FR Series Stainless Steel (passivated); 302 Series Stainless Steel; Loctite® 290</td>
</tr>
</tbody>
</table>

Flow

V² Typical Air Flow

Loctite® is a registered trademark of Henkel Consumer Adhesives, Inc.
Classic Style Solenoid Valves

Dimensions

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
<th>Series</th>
<th>Model Number</th>
<th>Type</th>
<th>Material</th>
<th>Voltage</th>
<th>Coil Type</th>
<th>Body Styles</th>
<th>Top Seat Barbs</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>2-Way N.C. Pressure</td>
<td>V2</td>
<td>14</td>
<td>3</td>
<td>PV</td>
<td>12</td>
<td>P</td>
<td>8</td>
<td>8</td>
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<tr>
<td>2</td>
<td>3-Way N.C. Pressure</td>
<td>X</td>
<td>M</td>
<td>L</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>3-Way N.O. Pressure</td>
<td>10</td>
<td>0-100 psi, 0.0007/2 Watts</td>
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<td></td>
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<td>4</td>
<td>2-Way N.O. Vacuum</td>
<td>13</td>
<td>0-50 psi, 0.0007/1 Watt</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>5</td>
<td>3-Way N.O. Vacuum</td>
<td>14</td>
<td>0-50 psi, 0.0007/2 Watts</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Options

- P - PC MOUNT
- F - WIRE LEADS
- 4 PC PINS
- NO TERMINALS
- X - DISTRIBUTER

Body Styles

- PORT 1
- PORT 2

Type 1 - (1/8 I.D. TUBING)
Type 2 - MANIFOLD MOUNT

Stem Barb Styles

- 0 - TYPE 1 TOP SEAT (PLUGGED)
- 8 - 0.125 TOP SEAT (1/8 I.D. TUBING)

Ordering Information

Sample Part ID Description

Options

NOTE: Not all versions available for on-line purchase. Please consult Parker Life Sciences for other considerations. For more detailed information, visit us on the Web, or call and refer to Performance Spec. #790-002156-001 and Drawing #890-003080-001.

Order on-line at www.parkerfluidics.com

Parker Hannifin Corporation
Pneutronics Division
www.parker.com/pneutronics
Rev. 06/2007
The PND Series is a miniature, low cost, application-specific, two-way Normally Open exhaust or "dump" valve. Perfect for safety-oriented applications that require pressure relief to atmosphere upon power loss.

**Features**
- Normally Open exhaust valve in a small package size.
- Works well in miniature applications such as in Non-Invasive Blood Pressure (NIBP) devices.
- Provides small size and low cost.
- Offers low holding voltage.

### Electrical
- **Power:** 0.5 Watt or less
- **Voltage:** 3, 6, 12 VDC

### Performance Characteristics
- **Leak Rate:** 0.016 sccm (bubble tight)
- **Response:** <100 msec cycling
- **Pressure:** 0 to 6 psig holding
- **Vacuum:** 0-27 in Hg
- **Orifice Sizes/Equivalent Cv:** 0.030”/0.017 Cv, 0.050”/0.035 Cv
- **Larger sizes available in 15 mm frame**

### Wetted Materials
- **Elastomers:** Silicon; Nickel-Plated Steel
- **Frame:** SPCC (Treatment: MFZn2-c)
- **All Other:** Polybutylene Terephthalate (PBT); 304 Series Stainless Steel

### Ordering Information

<table>
<thead>
<tr>
<th>Sample Part ID Description</th>
<th>PND</th>
<th>05 Watts (Rated Power at 20°C)</th>
<th>A Orifice Size</th>
<th>12 Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>0.5 Watt</td>
<td>D 0.030”</td>
<td>03: 3 VDC</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>A 0.050”</td>
<td>06: 6 VDC</td>
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<td>Note: With Orifice Size at 0.050”, the frame width and height increases 0.118” (3mm)</td>
<td>12: 12 VDC</td>
</tr>
</tbody>
</table>

**NOTE:** Please consult Parker Life Sciences for other considerations. For more detailed information, visit us on the Web, or call and refer to Performance Spec. #790-002198-001 and Drawing #s: PND-05A-DWG and PND-05D-DWG.

For dimensions, please visit www.parker.com/pneutronics.
Gassing Control System
- Mixed gassing logic design includes VSO® proportional valves, X-Valve®, pressure switch, pressure sensors, and PCB interface

Vacuum Gas Control Module
- Tested to $1 \times 10^{-7}$ cc/sec/atm Helium
- Assembly tested on mass spectrometer

5 Position SRS Model Pneumatic Manifold
- Mixed pneumatic logic assembly
- Integrated pressure sensors
- Mass termination of sensors & valves
- Pressed in barbed fittings

8 Position SRS Model Pneumatic Manifold
- Integrated circuit board mounting
- Mass electrical termination

10 Position SRS Model Pneumatic Manifold
- Circuit board with transducers
- Pressed in barbed fittings

7 Position X-Valve® Pneumatic Manifold
- Integrated pressure/vacuum sensors
- Mixed pneumatic logic design
- Ultem® manifold pressure/vacuum sensors

6 Position VSO® Proportional Valve Pneumatic Manifold Assembly
- Quick connect fittings
- Circuit board with mass electrical termination

10 Position X-Valve® Pneumatic Manifold
- Mixed pneumatic logic design
- Ultra-miniature design with PCB for mass termination
WARNING

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS AND/OR SYSTEMS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY, AND PROPERTY DAMAGE.

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