Valves for Safety Applications

- Inherently fail-safe
- Dynamic self-monitoring
- No residual pressure
- Large exhaust capacity
- World-wide Safety Approvals
Complete range of standard and special valves

- 3/2 pneumatically controlled safety valves
- 5/2 pneumatically controlled safety valves

ESSENTIAL PRINCIPLES

Basic features of safety valves
- Inherently fail safe design
- Dynamic self monitoring
- Double crossflow channel design
- Residual pressure-free system
- Large exhaust capacity
- Short response time
- Long life

Where Safety matters...
IN THE WORLD
OF SAFETY VALVES

Norgren and Herion, the perfect fit in Safety Knowledge…

Norgren-Herion XSz safety valves – The ultimate choice when it comes to

- fail safe operation
- emergency stop
- satisfying safety regulations
- increasing safety
- prevent injury
- protect expensive equipment
- increase productivity

...Norgren-Herion the safety solution!
Whatever the safety requirements Norgren-Herion has the solution: 3/2 – 5/2 safety valves for many applications:

- mechanical presses
- pneumatic presses
- amusement park facilities
- emergency brake systems
- handling systems (or robots)
- process control
- special machines
3/2 – 5/2 safety valves

**XSz 10**
- 3/2 safety valve
- fail safe
- G 1/2 or 1/2 NPT
- sub-base mounted

**XSz 20**
- 3/2 safety valve
- fail safe
- G 3/4 or 3/4 NPT (1 optionally)
- sub-base mounted

**XSz 32**
- 3/2 safety valve
- fail safe
- G 1 or 1 NPT (1 1/2 optionally)
- sub-base mounted

**XSz 50**
- 3/2 safety valve
- fail safe
- G 2 or 2 NPT
- inline or flanged

**XSz 10V**
- 5/2 safety valve
- fail safe
- G 1/2 or 1/2 NPT
- sub-base/inline
Damping Modules
- soft start
- soft stop

Overlap correction

Failure indication elements

Safety Silencers – thread connection

Safety Silencers – flange connection

Safety valves with integrated rotary union

XSz 20
XSz 32
## Technical Data

### 3/2 Safety Valves

<table>
<thead>
<tr>
<th>Model</th>
<th>Part Number</th>
<th>Voltage</th>
<th>Port Size</th>
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</thead>
<tbody>
<tr>
<td>XSz 10</td>
<td>2492900.0200</td>
<td>ac</td>
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<td>1 1/2</td>
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### 5/2 Safety Valves

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</thead>
<tbody>
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For further information please see the following brochures (available at Norgren Herion):

<table>
<thead>
<tr>
<th>item</th>
<th>brochure number</th>
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<tr>
<td>safety valves: XSz 10, XSz 20, XSz 32, XSz 50,</td>
<td>5.4.303.01</td>
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<tr>
<td>XSz 10 V</td>
<td>5.4.310</td>
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<td>additional equipment:</td>
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<td>XSz with integrated rotary union</td>
<td>5.4.316</td>
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<td>5.11.042</td>
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<td>safety silencers - flange connection</td>
<td>5.4.315</td>
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<tr>
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<td>5.11.041</td>
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<tr>
<td>soft stop (&quot;soft brake&quot;) valve</td>
<td>5.4.311</td>
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<tr>
<td>overlap correction</td>
<td>5.4.317</td>
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<tr>
<td>failure indication elements</td>
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