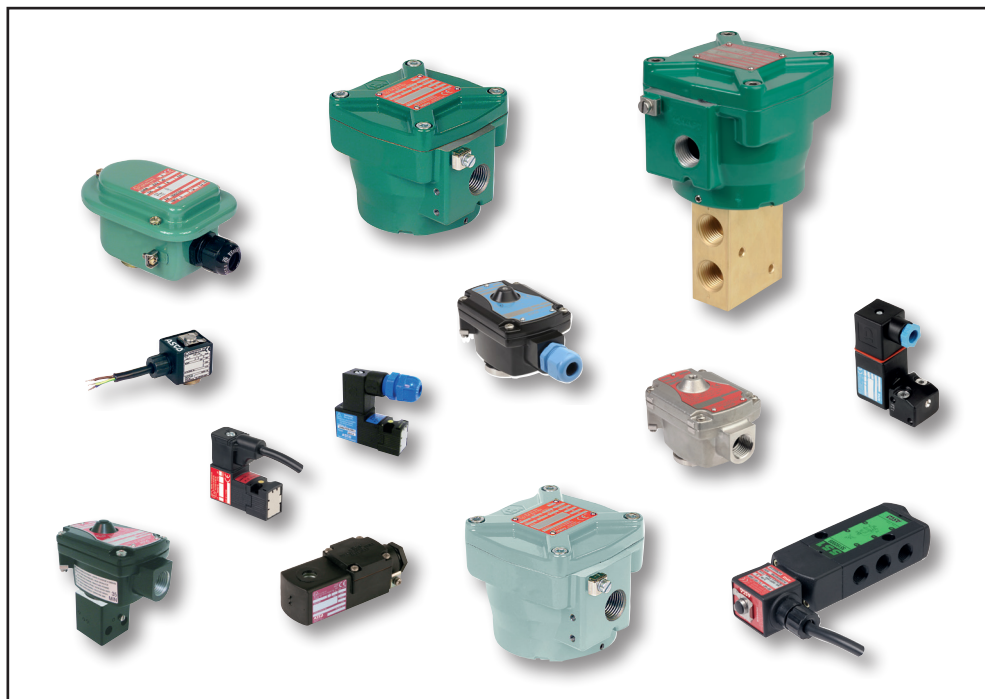








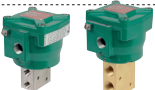


# EXPLOSIONPROOF SOLENOIDS

## Product Index



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	Standards (CENELEC - CEN standards)			
	Types of protection		see section: «General & Engineering Information»	<a href="http://www.asco.com">www.asco.com</a>
<b>Ex d (flameproof), ATEX-IECEX:</b>				
3/2	• Operators, aluminium (LPKF) or stainless steel (WSPKF) II2G Ex d IIB+H2 Gb T6..T4, II2D Ex tb IIIC Db IP66/IP67		 <b>LPKF</b> <b>WSPKF</b>	<b>1</b>
2/2	• Operators, aluminium (NF) or stainless steel (WSNF) II 2G Ex db IIC T6..T4 Gb, II 2D Ex tb IIIC Db IP66/67		 <b>NF/WSNF</b>	<b>3</b>
3/2 NC	• Solenoid valves, direct operated, aluminium body, with LPKF type operator II2G Ex d IIB+H2 Gb T6..T4, II2D Ex t IIIC Db IP67	ISO 15218 (CNOMO, size 30)	 <b>314</b>	<b>5</b>
3/2 NC-5/2-5/3 NAMUR	• Solenoid valves, pilot operated, aluminium body (LPKF-WSPKF-NF-WSNF-374/NK)	1/4-1/2	 <b>551-553</b>	<b>3/2</b> <b>5/2-5/3</b> <b>NAMUR</b>
3/2 NC-5/2 NAMUR	• Solenoid valves, pilot operated, brass body (LPKF-WSPKF-NF-WSNF)	1/4	 <b>551</b>	<b>3/2</b> <b>5/2</b> <b>NAMUR</b>
3/2 NC-5/2-5/3 NAMUR	• Solenoid valves, pilot operated, stainless steel body (LPKF-WSPKF-NF-WSNF-314/LPKF)	1/4-1/2	 <b>551-553</b>	<b>3/2</b> <b>5/2-5/3</b> <b>NAMUR</b>
3/2 U	• Solenoid valves, direct operated, brass or stainless steel body II 2 G Ex d IIC Gb T6..T4, II 2 D Ex tb IIIC Db IP67	1/4-1/2 (NPT)	 <b>327<sup>(1)</sup></b>	<b>Process Industry</b>







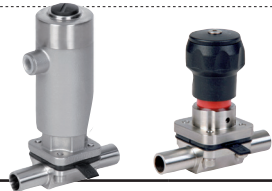

<sup>(1)</sup> [WSCR / WSCEM / WSCRIS](#)



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Function	Description	Pipe connections	Series	Page
<b>Ex m (encapsulated), ATEX-IECEX:</b>				
2/2-3/2	<ul style="list-style-type: none"> <li>Operators, moulded coil (EM5-MXX)</li> <li>II 2G Ex mb IIC T5..T3 Gb, II 2D Ex mb IIIC 100°C..200°C Db IP67</li> </ul>		<a href="#">PV</a>	<a href="#">7</a>
3/2 NC-5/2-5/3 NAMUR	<ul style="list-style-type: none"> <li>Solenoid valves, pilot operated, aluminium body (PV)</li> </ul>	1/4-1/2	551-553	<a href="#">3/2</a> <a href="#">5/2-5/3</a> <a href="#">NAMUR</a>
3/2 NC-5/2 NAMUR	<ul style="list-style-type: none"> <li>Solenoid valves, pilot operated, brass body (PV)</li> </ul>	1/4	551	<a href="#">3/2</a> <a href="#">5/2</a> <a href="#">NAMUR</a>
3/2 NC-5/2-5/3 NAMUR	<ul style="list-style-type: none"> <li>Solenoid valves, pilot operated, stainless steel body (PV)</li> </ul>	1/4-1/2	551-553	<a href="#">3/2</a> <a href="#">5/2-5/3</a> <a href="#">NAMUR</a>
<b>Ex e mb (increased safety/encapsulated), ATEX-IECEX:</b>				
3/2	<ul style="list-style-type: none"> <li>Operator, increased safety/encapsulated</li> <li>II 2G Ex e mb IIC T4 Gb, II 2D Ex tb IIIC T135°C Db IP67</li> </ul>		<a href="#">WBLP</a>	<a href="#">9</a>
2/2-3/2	<ul style="list-style-type: none"> <li>Operators, increased safety/encapsulated (M6-MXX-M12)</li> <li>II 2G Ex e mb IIC T6..T3 Gb, II 2D Ex tb IIIC T85°C..T200°C Db IP66/67</li> </ul>		<a href="#">EM/WSEM</a>	<a href="#">11</a>
3/2 NC-5/2-5/3 NAMUR	<ul style="list-style-type: none"> <li>Solenoid valves, pilot operated, aluminium body (EM/WSEM)</li> </ul>	1/4-1/2	551-553	<a href="#">3/2</a> <a href="#">5/2-5/3</a> <a href="#">NAMUR</a>
3/2 NC-5/2 NAMUR	<ul style="list-style-type: none"> <li>Solenoid valves, pilot operated, brass body (EM/WSEM)</li> </ul>	1/4	551	<a href="#">3/2</a> <a href="#">5/2</a> <a href="#">NAMUR</a>
3/2 NC-5/2-5/3 NAMUR	<ul style="list-style-type: none"> <li>Solenoid valves, pilot operated, stainless steel body (EM/WSEM)</li> </ul>	1/4-1/2	551-553	<a href="#">3/2</a> <a href="#">5/2-5/3</a> <a href="#">NAMUR</a>
<b>Ex ia (intrinsically safe), ATEX-IECEX:</b>				
3/2	<ul style="list-style-type: none"> <li>Operator, aluminium (LI)</li> <li>II 1G Ex ia IIC T6 Ga, II 2D Ex tb IIIC T85°C IP66/IP67 Db</li> <li>Operator, stainless steel (WSLI)</li> <li>II 1G Ex ia IIC T6 Ga, II 2D Ex tb IIIC T85°C IP66/IP67 Db</li> </ul>		<a href="#">LI</a> <a href="#">WSLI</a>	<a href="#">13</a>
3/2 NC	<ul style="list-style-type: none"> <li>Solenoid valves, direct operated, plastic body, pad mount, ISO 15218 (CNOMO, size 15)</li> <li>II 1 G Ex ia IIC T6..T4 Ga, II 1 D Ex ia IIIC T85°C .. T135°C IP65 Da</li> </ul>		<a href="#">302</a>	<a href="#">15</a>
3/2 NC	<ul style="list-style-type: none"> <li>Solenoid valves, direct operated, aluminium body, pad mount, ISO 15218 (CNOMO, size 30)</li> <li>II 1G Ex ia IIC T6 Ga, II 2D Ex ib IIIC T85°C Db IP67</li> </ul>		<a href="#">195/LISC</a>	<a href="#">19</a>
3/2 NC	<ul style="list-style-type: none"> <li>Solenoid valves, direct operated, brass or stainless steel body</li> <li>II 2G Ex ia IIC T6 Gb, II 2D Ex tb IIIC T85°C Db IP66/67</li> </ul>	1/4	327	<a href="#">NFIS</a> <a href="#">WSNFIS</a>
3/2 NC-5/2-5/3 NAMUR	<ul style="list-style-type: none"> <li>Solenoid valves, pilot operated, aluminium body (LI-302-195/LISC-630/piezotronic)</li> </ul>	1/4-1/2	551-553	<a href="#">3/2</a> <a href="#">5/2-5/3</a> <a href="#">NAMUR</a>
3/2 NC-5/2 NAMUR	<ul style="list-style-type: none"> <li>Solenoid valves, pilot operated, brass body (LI-WSLI-302-630/piezotronic)</li> </ul>	1/4	551	<a href="#">3/2</a> <a href="#">5/2</a> <a href="#">NAMUR</a>
3/2 NC-5/2-5/3 NAMUR	<ul style="list-style-type: none"> <li>Solenoid valves, pilot operated, stainless steel body (LI-WSLI-195/LISC)</li> </ul>	1/4-1/2	551-553	<a href="#">3/2</a> <a href="#">5/2-5/3</a> <a href="#">NAMUR</a>
<b>Ex nA (non-sparking protection), ATEX:</b>				
2/2 NC 3/2 NC-NO-U	<ul style="list-style-type: none"> <li>Solenoid valves, direct operated, plastic body, pad mount, ISO 15218 (CNOMO, size 15)</li> <li>II 3G Ex nA IIC T6..T4 Gc, II 3D Ex tc IIIC IP65 T85°C..T135°C Dc</li> </ul>		<a href="#">302</a>	<a href="#">23</a>

Function	Description	Pipe connections	Series	Page
<i>Dust applications, ATEX:</i>				
	<i>moulded coils types with connectors</i>			
	II 3 D Ex tc IIIC T115°C/T110°C Dc IP65X		<a href="#">SG</a>	<a href="#">25</a>
<i>Constructional safety ATEX:</i>				
3/2 NC-5/2-5/3 NAMUR	• Air operated valves, aluminium body II 2GD IIB or IIC	1/4-1/2		551-553 <a href="#">3/2</a> <a href="#">5/2-5/3</a> <a href="#">NAMUR</a>
3/2 NC-5/2 NAMUR	• Air operated valves, stainless steel body II 2GD IIB or IIC	1/4-1/2		551-553 <a href="#">3/2</a> <a href="#">5/2</a> <a href="#">NAMUR</a>
2/2 - 3/2	• Pressure operated valves II 2 GD c IIB T4 T135°C / II 2 D c T135°C II 3 GD c T4 T135°C		290/390	<a href="#">Pressure Operated Valves</a> <a href="#">[2/2 (www.asco.com) - 3/2 (www.asco.com)]</a>
2/2 - 3/2	• Pressure operated valves II 2 GD c x°C (Tx)		298/398	<a href="#">Pressure Operated Valves</a> <a href="#">[2/2 (www.asco.com) - 3/2 (www.asco.com)]</a>
2/2 - 3/2	• Pressure operated valves II 2 GD c T6		287/387	<a href="#">Pressure Operated Valves</a> <a href="#">[2/2 (www.asco.com) - 3/2 (www.asco.com)]</a>
2/2 - 3/2	• Pressure operated valves II 2 GD c T6 T85°C / II 3 GD c T85°C X		AD	<a href="#">Pressure Operated Valves</a> <a href="#">[2/2 (www.asco.com) - 3/2 (www.asco.com)]</a>
2/2	• Pressure or manual operated diaphragm aseptic valves II 2 GD c K IIB		Steripur KMA KMD	<a href="#">Biotechnology &amp; Pharmaceutical Catalogue</a>
<i>Other types of protection and national standards:</i>				
2/2-3/2	• Operators, encapsulated, NEMA (EF)		EF	<a href="#">EF/EV</a>
<i>Accessories:</i>				
	• Cable glands, ATEX		<a href="#">882</a>	<a href="#">27</a>

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