

# 3/2 VALVES

## PRESSURE OPERATED

### Product Index



Quick Selection  
Chart  
page: II

Function	$\Delta P$		Temperature		Pipe connections	Series	Page
	min. (bar)	max. (bar)	min. (°C)	max. (°C)			
<b>BRONZE BODY</b>							
NC-NO	0	16	-10	+184	Threaded ports (IEC 61508)	1/2..2 <a href="#">E390</a>	<b>1</b>
NO	0	16	-10	+184	Threaded ports	1/2 .. 2 <a href="#">166 (AD/TBT)</a>	<b>17</b>
<b>STAINLESS STEEL BODY</b>							
	0	40	-25	+250	Threaded ports (IEC 61508)	1/2 .. 2 <a href="#">E398</a>	<b>3</b>
NC-NO	0	40	-25	+250	Flanged (DIN and ANSI Class 300) (IEC 61508)	DN 15..50 <a href="#">T398</a>	<b>7</b>
	0	40	-25	+250	Socket welding ends (IEC 61508)	DN 15..50 <a href="#">S398</a>	<b>11</b>
<b>BRASS BODY</b>							
NC-NO	0	40	-20	+100	Coaxial	3/8 .. 1 <a href="#">387</a>	<b>15</b>
<b>ACCESSORIES AND OPTIONS</b>							
Options and accessories for series 390						<a href="http://www.asco.com">www.asco.com</a>	<b>▶ 37</b>
Options and accessories, ATEX 2014/34/EU, for series 390						<a href="http://www.asco.com">www.asco.com</a>	<b>▶ 43</b>
Options and accessories for series 398						<a href="http://www.asco.com">www.asco.com</a>	<b>▶ 65</b>
Options and accessories, ATEX 2014/34/EU, for series 398						<a href="http://www.asco.com">www.asco.com</a>	<b>▶ 67</b>
Air/oil exchanger for type AD valves						<a href="#">218</a>	<b>▶ 81</b>
<b>SOLENOID PILOT VALVES</b>							
Valve piloting solutions						<a href="#">290/390</a>	<b>▶ 47</b>
290/390: 189/banjo and 356 solenoid valves - 63 mm operator						<a href="http://www.asco.com">www.asco.com</a>	<b>▶ 49</b>
290/390: 356 and 314 solenoid valves - 90 and 125 mm operators						<a href="http://www.asco.com">www.asco.com</a>	<b>▶ 51</b>
298/398: 356 solenoid valves - 80 and 100 mm operators						<a href="http://www.asco.com">www.asco.com</a>	<b>▶ 71</b>
298/398: 314 and 356 solenoid valves - 150 and 200 mm operators						<a href="http://www.asco.com">www.asco.com</a>	<b>▶ 73</b>
314 solenoid valves - AD valve operators						<a href="http://www.asco.com">www.asco.com</a>	<b>▶ 83</b>

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(Potentially explosive atmospheres, see page: II)

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Pressure Operated Valves (3/2) - I

pipe connections										body material					max. operating pressure differential (bar)										fluid temperature range		series	I&M Sheet	page
3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3		bronze	cast iron	carbon steel	stainless steel	st. steel, AISI 316L	DN	min. operating pressure differential (bar)	air, inert gases	aggressive fluids	water, oil liquids	aggressive liquids	vacuum (mbar)	hot water	steam	superheated water	max. allowable pressure (bar)	min. (°C)			
<b>NORMALLY CLOSED (NC)</b>															15 ↓ 50	0		16 ↓ 2		10 <sup>2</sup>	16 ↓ 2	10		16	-10	+184	E390		1
														10 ↓ 25	0	40 12	40 12			40 12	-			-	-20	+100	387		15 (coaxial)
<b>NORMALLY OPEN (NO)</b>															15 ↓ 50	0		16 ↓ 7		10 <sup>2</sup>	16 ↓ 7	10 ↓ 7		16	-10	+184	E390		1
														10 ↓ 25	0	40 12	40 12			40 12	-			-	-20	+100	387		15 (coaxial)
														15 ↓ 50	0	16	16			16	10			16	-10	+184	166		17 (AD/TBT)
<b>UNIVERSAL (U)</b>															15 ↓ 50	0	40	40		10 <sup>2</sup>	40	-	-	40	-25	+250	E398		3
																				40	-	-	40	-25	+223	T398	7		
																										S398	11		

## POTENTIALLY EXPLOSIVE ATMOSPHERES

			DN	group II								
				dusts		gas			dusts			gas
page	ATEX page	series	zone 22	zone 2			zone 21	zone 1			zones 0-20	
				IIA	IIB	IIC		IIA	IIB	IIC		
<b>SERIES 390 VALVES ATEX 2014/34/EU</b>												
1	43 <sup>(1)</sup> <a href="http://www.asco.com">www.asco.com</a>	E290	15 → 50									<sup>(2)</sup>
<b>SERIES 398 VALVES ATEX 2014/34/EU</b>												
3		E398	15 → 50									-
7	67 <sup>(1)</sup> <a href="http://www.asco.com">www.asco.com</a>	T398	15 → 50									-
11		S398	15 → 50									-
<b>SERIES 387 VALVES ATEX 2014/34/EU</b>												
15	<a href="http://www.asco.com">www.asco.com</a>	387	10 → 25									-
<b>TYPE AD VALVES ATEX 2014/34/EU</b>												
17	<a href="http://www.asco.com">www.asco.com</a>	166 - AD/TBT	15 → 50									-

(1) See section: «Pressure Operated Valves (2/2)»

(2) Contact us.