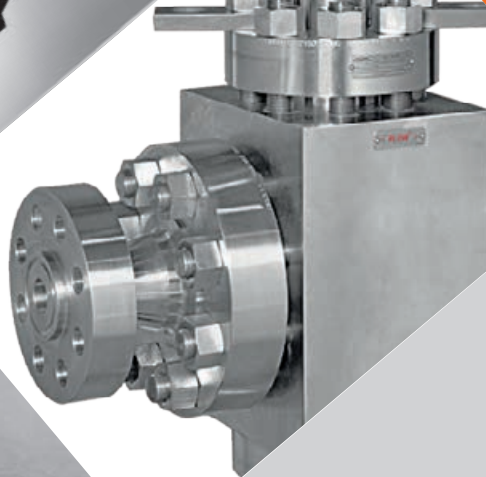




GLH  
18CL1500  
VS1410760 E  
CF8 C  
GV383



# Product Guide



**VALTEKSUL**<sup>TM</sup>  
THE CONTROL VALVES COMPANY

## About us

Founded in 1979, Valtek Sulamericana consolidated after thousands of built products, market recognition we manufacture the most advanced, efficient and durable family of mainland control valves.

Faithful to the concept the use of actuators type piston / cylinder, achieved to universe of products with design, geometry and shape that differentiates us completely from the commercial market for control valves.

These uniformity Characteristics of shape and design, coupled with the use of noble raw materials, modern casting processes, advanced construction technology, allowed to reach to level of extraordinary quality, recognized by our customers worldwide.

From the year 2005, we started the challenge of breaking boundaries and start developing alliances for our internationalization.

Today more than half of the products manufactured by Brazil's unit is to the international market destination.

# Globe Control Valves



**GXL<sup>®</sup>**  
**CHRONOS<sup>®</sup>**  
General  
Services



**GLS<sup>®</sup>**  
High  
Performance



**GLH<sup>®</sup>**  
High  
Pressure



**GLB<sup>®</sup>**  
Bar Stock

<b>Nominal Size</b>	0,5 to 4"	0,5 to 36"	1 to 30"	1 to 6"
<b>Pressure Class (ANSI)</b>	150 300	150 300 600	900 1500 2500	150 to 4500
<b>Body Materials</b>	<ul style="list-style-type: none"> <li>• Carbon Steel WCC</li> <li>• Stainless Steel CF8M</li> </ul>	<ul style="list-style-type: none"> <li>• Carbon steel</li> <li>• Stainless steel</li> <li>• Chrome-Moly</li> <li>• Duplex, Alloy 20</li> <li>• Bronze</li> <li>• Monel</li> <li>• Hastelloy B-C</li> <li>• Níquel</li> <li>• Titanium e other alloys</li> </ul>	<ul style="list-style-type: none"> <li>• Carbon steel</li> <li>• Stainless steel</li> <li>• Chrome-Moly</li> <li>• Duplex, Alloy 20</li> <li>• Monel</li> <li>• Hastelloy B-C</li> <li>• Níquel</li> <li>• Titanium e other alloys</li> </ul>	<ul style="list-style-type: none"> <li>• Forged metal alloys</li> <li>• Body configuration according to the process</li> </ul>
<b>End Conections</b>	<ul style="list-style-type: none"> <li>• Integral flanges</li> <li>• Socketweld</li> <li>• NPT</li> </ul>	<ul style="list-style-type: none"> <li>• Integral flanges</li> <li>• Socketweld</li> <li>• NPT</li> </ul>	<ul style="list-style-type: none"> <li>• Integral flanges</li> <li>• Socketweld</li> <li>• NPT</li> </ul>	<ul style="list-style-type: none"> <li>• Integral flanges</li> <li>• Socketweld</li> <li>• NPT</li> </ul>
<b>Trim Materials</b>	<ul style="list-style-type: none"> <li>• Stainless Steel 316</li> <li>• Stainless Steel 420</li> </ul>	<ul style="list-style-type: none"> <li>• Stainless Steel 316</li> <li>• Stainless Steel 420</li> <li>• Duplex</li> <li>• other casted alloys</li> </ul>	<ul style="list-style-type: none"> <li>• Stainless Steel 316</li> <li>• Stainless Steel 420</li> <li>• Duplex</li> <li>• other casted alloys</li> </ul>	<ul style="list-style-type: none"> <li>• Stainless Steel 316</li> <li>• Stainless Steel 420</li> <li>• Duplex</li> <li>• other casted alloys</li> </ul>
<b>Features</b>	<ul style="list-style-type: none"> <li>• Compact and lightweight</li> <li>• Various in-house options</li> <li>• High flow rates</li> <li>• Sealing class IV to VI</li> <li>• Version for fugitive emissions</li> </ul>	<ul style="list-style-type: none"> <li>• Body options: Angular 3 ways</li> <li>• Anti-noise trim</li> <li>• Anti-cavitation trim</li> <li>• Cryogenic version</li> <li>• Version for fugitive emissions</li> </ul>	<ul style="list-style-type: none"> <li>• Body options: Angular 3 ways</li> <li>• For high differential pressures</li> <li>• Anti-noise trim</li> <li>• Anti-cavitation trim</li> <li>• Cryogenic version</li> <li>• Version for fugitive emissions</li> </ul>	<ul style="list-style-type: none"> <li>• Extremely wear resistant</li> <li>• Customizable body, plug and seat (according to application needs)</li> <li>• Version for fugitive emissions</li> </ul>

# Globe Control Valves



**GLC**  
Cryogenic



**GLE**  
Erosive Applications



**GLA**  
Angular Y Type



**GLS**  
Bellows-pac

Nominal size	1 to 12"	1 to 18"	0,5 to 24"	1 to 8"
Pressure Class (ANSI)	150 300 600 900 1500	150 300 600 900 1500	150 300 600	150 300
Body Materials	<ul style="list-style-type: none"> <li>Stainless steel</li> <li>Alloys for use in cryogenics</li> </ul>	<ul style="list-style-type: none"> <li>Carbon steel</li> <li>Stainless steel</li> <li>other casted alloys</li> </ul>	<ul style="list-style-type: none"> <li>Carbon steel</li> <li>Stainless steel</li> <li>other casted alloys</li> </ul>	<ul style="list-style-type: none"> <li>Carbon steel</li> <li>Stainless steel</li> <li>other casted alloys</li> </ul>
End Conections	<ul style="list-style-type: none"> <li>Integral flanges</li> <li>Socketweld</li> </ul>	<ul style="list-style-type: none"> <li>Integral flanges</li> </ul>	<ul style="list-style-type: none"> <li>Integral flanges</li> <li>Socketweld</li> <li>NPT</li> </ul>	<ul style="list-style-type: none"> <li>Integral flanges</li> <li>Socketweld</li> <li>NPT</li> </ul>
Trim Materials	<ul style="list-style-type: none"> <li>Stainless steel</li> <li>Steel alloy for cryogenics</li> </ul>	<ul style="list-style-type: none"> <li>Application-specific hardened metals</li> <li>Titanium</li> </ul>	<ul style="list-style-type: none"> <li>Stainless Steel 316</li> <li>other casted alloys</li> </ul>	<ul style="list-style-type: none"> <li>Stainless Steel 316 L</li> <li>Hastelloy C</li> <li>Inconel</li> </ul>
Features	<ul style="list-style-type: none"> <li>Light body</li> <li>"Top entry" assembly</li> <li>Sealing up to Class VI</li> <li>Up to -360°F (-218°C)</li> </ul>	<ul style="list-style-type: none"> <li>Specially designed for harsh, flashing and erosive services</li> <li>Specially designed for muddy fluids</li> </ul>	<ul style="list-style-type: none"> <li>Higher flow capacity by diameter</li> <li>More linear flow</li> <li>Flow passage is less obstructed by reducing turbulence through the valve and piping</li> </ul>	<ul style="list-style-type: none"> <li>Molded bellows achieves life of up to 5 million cycles</li> <li>Bellows remain outside the flow line</li> <li>Anti-rotation pin</li> </ul>

# Rotary Control Valves



**EXL®**  
Eccentric Plug  
Short and Long Body



**BXL®**  
Bi-eccentric Disc



**VXL®**  
Segmented Ball



**HXL®**  
Ball Valve  
Trunnion mounted

Nominal size	1 to 12"	2 to 36"	High Pressure 2 to 24"	1 to 16"	2 to 48"	
Pressure Class (ANSI)	150 300 600	150 300 600	900 1500	150 300	150 300 600	900 1500 2500
Body Materials	<ul style="list-style-type: none"> <li>• Carbon Steel WCC</li> <li>• Stainless Steel CF8M</li> <li>• Stainless Steel CF3M</li> <li>• Super-Duplex</li> <li>• Monel</li> <li>• Alloy 20</li> <li>• Hastelloy C</li> </ul>	<ul style="list-style-type: none"> <li>• Carbon steel</li> <li>• Stainless steel</li> <li>• Super Duplex</li> <li>• other casted alloys</li> </ul>		<ul style="list-style-type: none"> <li>• Carbon steel</li> <li>• Stainless Steel</li> <li>• other casted alloys</li> </ul>	<ul style="list-style-type: none"> <li>• Carbon Steel WCC</li> <li>• Stainless Steel CF8M</li> <li>• Stainless Steel CF3M</li> <li>• Super-Duplex</li> <li>• other casted alloys</li> </ul>	
End Conections	<ul style="list-style-type: none"> <li>• Integral flanges</li> <li>• Flangeless (Wafer type)</li> </ul>	<ul style="list-style-type: none"> <li>• Wafer</li> <li>• Lug</li> <li>• Integral flanges</li> </ul>		<ul style="list-style-type: none"> <li>• Integral flanges</li> <li>• Flangeless (wafer-style assembly)</li> </ul>	<ul style="list-style-type: none"> <li>• Integral flanges</li> <li>• RF</li> <li>• RTJ</li> </ul>	
Trim Materials	<ul style="list-style-type: none"> <li>• 17-4PH (standard)</li> <li>• 316 com Alloy #6</li> <li>• Tungsten</li> <li>• Ceramics</li> </ul>	<ul style="list-style-type: none"> <li>• Carbon steel</li> <li>• Stainless steel</li> <li>• Super-Duplex</li> <li>• other casted alloys</li> </ul>		<ul style="list-style-type: none"> <li>• Stainless Steel 316 L / Hard Chrome</li> <li>• Stainless Steel 316 L / Alloy 6</li> <li>• Monel</li> <li>• Alloy 20</li> <li>• Hastelloy B-C</li> </ul>	<ul style="list-style-type: none"> <li>• Carbon Steel WCC</li> <li>• Stainless Steel CF8M</li> <li>• Stainless Steel CF3M</li> <li>• Super-Duplex</li> <li>• other casted alloys</li> </ul>	
Features	<ul style="list-style-type: none"> <li>• High Cv flow capacity</li> <li>• Non-through axis</li> <li>• Anti-expulsion system</li> <li>• Sealing classes IV and VI</li> <li>• NACE</li> <li>• Noise attenuator available</li> </ul>	<ul style="list-style-type: none"> <li>• Bi-eccentric geometry</li> <li>• Sealing classes II, VI and VI</li> <li>• Cryogenic option</li> </ul>		<ul style="list-style-type: none"> <li>• V-shaped ball</li> <li>• Bidirectional flow</li> <li>• Non-through axis</li> <li>• Sealing classes IV and VI</li> <li>• 300: 1 range</li> </ul>	<ul style="list-style-type: none"> <li>• Valve with special anti-noise and anti-cavitation trim</li> </ul>	

## Special Trim

		Applications	Nominal size	Pressure Class (ANSI)
	Alpha	Low and medium intensity cavitation	1 to 16"	150 to 2500
	Beta	Noise Reducer for gases	1 to 24"	150 to 2500
	Beta Attenuator Plate	Noise reducer (Up to 15 dBA)	1,5 to 42"	150 to 2500
	Gamma	Liquids cavitation	2 to 36"	150 to 2500
	Delta	Noise reducer and cavitation in liquids and gases	1,5 to 36"	150 to 2500
	Omicron	Average cavitation in low flow rates	1 to 2"	150 to 2500
	Omega	Intense cavitation at low flow rates	0,5 to 2"	150 to 2500

## Pneumatic Actuators



**Linear  
LA-XL**



**Rotary  
RA-XL**



**Logus**

## Digital Positioner



**CHRONOS®**

<b>Size</b>	<ul style="list-style-type: none"> <li>• 15</li> <li>• 25</li> <li>• 50</li> <li>• 100</li> <li>• 200</li> <li>• 400</li> <li>• 600</li> </ul>	<ul style="list-style-type: none"> <li>• 100</li> <li>• 200</li> </ul>
<b>Action</b>	<ul style="list-style-type: none"> <li>• Air to open</li> <li>• Air to close</li> <li>• Fixed in the last position</li> </ul>	<ul style="list-style-type: none"> <li>• Air to open</li> <li>• Air to close</li> <li>• Fixed in the last position</li> </ul>
<b>Cylinder material</b>	<ul style="list-style-type: none"> <li>• Aluminum</li> <li>• Other materials on request</li> </ul>	<ul style="list-style-type: none"> <li>• Carbon Steel</li> </ul>
<b>Air supply</b>	150 psi (10.3 bar)	150 psi (10.3 bar)
<b>Operating Temperature</b>	-40 to 350°F (-40 to 175°C)	-40 to 350°F (-40 to 175°C)

- Options**
- Top wheel with quick coupling
  - Permanent side steering wheel
  - Permanent top wheel
  - Positioners
  - Solenoids
  - Stroke limiters

<b>Communication protocols</b>	<ul style="list-style-type: none"> <li>• HART® version 7</li> <li>• FDT-DTM</li> </ul>
<b>Functions</b>	<ul style="list-style-type: none"> <li>• Advanced diagnostics</li> <li>• Pressure sensors</li> </ul>
<b>Area classification</b>	<ul style="list-style-type: none"> <li>• General use</li> <li>• Explosion-proof</li> <li>• Intrinsically safe</li> </ul>
<b>Body Material</b>	<ul style="list-style-type: none"> <li>• Aluminum</li> <li>• Stainless Steel</li> </ul>
<b>Operating Temperature</b>	-4 to 185°F (-20 to 85°C)
<b>Air supply</b>	30 to 120 psig (2.1 to 8.3 bar)
<b>Power supply</b>	<ul style="list-style-type: none"> <li>• Two wires</li> <li>• 4-20 mA</li> <li>• Polarity reversal protection</li> </ul>



# Desuperheaters



**DS**  
**VariFlow®**



**DM**  
**VariSpring®**



**DY**  
**VariSpray®**



**DM**  
**VariBull®**

Nozzle Type		Variable area, Multi-nozzle	Variable area spring loaded nozzle	Fixed nozzle	Variable area spring loaded nozzle
Maximum $\Delta p$ water / steam		60/80 bar	25 bar	30 bar	25 bar
Minimum $\Delta p$ water / steam		1 to 2 bar	3 to 6 bar	3 bar	3 to 6 bar
Pressure Class (ANSI)		Up to 2500	Up to 2500	Up to 600	Up to 2500
Steam diameters	Min.	6"	4"	1.5"	8"
	Máx.	24"	40"	4"	40"
Water diameters		1 to 3 pol.	1 to 3 pol.	1/2 to 1 pol.	1 to 6 pol.
Minimum inlet steam speed		8/10 m/s	10 m/s	6 m/s	10 m/s
Nozzle $C_v$ (water)		0.1 to 21	1 to 15	0.02 to 0.9	1 to 150

Quality Management System



**ISO 9001-2015**

Certificado N° 311001 QM 15

DQS GmbH  
DQS Brasil

**ValtekSul Brasil**

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**VALTEKSUL™**  
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