

# RTK<sup>®</sup> 3100



Control and Shut-Off Valves | Multi Stage, Noise Reduction & Anti Cavitation Trims | Electric and Pneumatic Actuators as Standard

**Size:** ½" to 16"

**Design Standard:** ANSI B16.34

**Pressure Rating:**

½" to 16" - CL 150 to CL 600

1" to 12" - CL 900 to CL 1500

1" to 8" - CL 2500

**Certifications:** CRN, IBR, ISO 15848, NACE,  
PED/CE, TSG



## Applications:

- Balance of Plant
- Boiler Blow-Down
- Compressor Stations
- Feedwater Regulator
- Hydrogen
- Industrial Heating & Cooling
- Liquid Level Control
- Pressure Control
- Process Control
- Thermal Oil Applications

Throttling & On-Off Controls

Modular Design

Higher Capacity

Low & High Pressure Drop

Tight Shut-Off

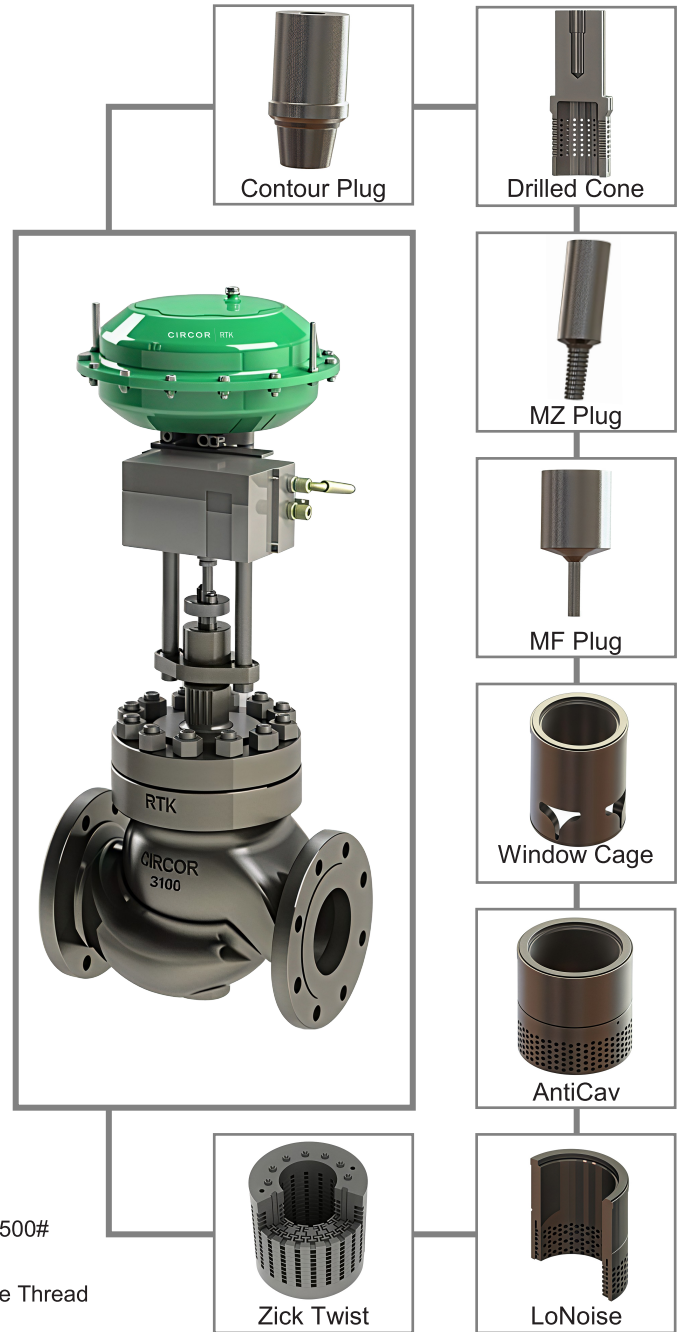
Multiple Trim Options



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RTK 3100 Model Specification	
<b>Body Assembly</b>	Globe, Angle <sup>1</sup>
<b>Valve Size</b>	½" to 16"
<b>Pressure Class<sup>2</sup></b>	CL150 - ½" to 16" CL300 - ½" to 16" CL600 - ½" to 16" CL900 - 1" to 12" CL1500 - 1" to 12" CL2500 - 1" to 8"
<b>End Connections</b>	Socket Weld (<2"), Butt weld (>2"), RF, RTJ, NPT (for selected sizes only)
<b>Design Standard</b>	ANSI B16.34
<b>Plug Type</b>	MZ Plug (UB), MF Plug (UB), Contour / Parabolic Plug (UB), Drilled Cone / Perforated Plug (UB), Standard Plug (PiB/PB)
<b>Cage Type</b>	Ported Cage, LoNoise I & II, AntiCav I & II <sup>1</sup> , Zick Twist <sup>1</sup>
<b>Flow Characteristic</b>	Linear, Equal % and Modified
<b>Packing types</b>	Single/Double PTFE (-40°C to 230°C), Single/Double Graphite (-40°C to 593°C), Low Emission PTFE/Graphite <sup>1</sup> (ISO 15848) (-29°C to 200°C)
<b>Body Material</b>	A216 Gr WCC, A352 Gr LCC, A217 Gr WC6, A217 Gr WC9, A217 Gr C12A, A351 Gr CF8M, etc.
<b>Trim Material</b>	SS410, DIN 1.4122, SS316, SS316 ST, CA6NM Hardened
<b>Leakage Class</b>	Class III, IV, V and VI <sup>1</sup>
<b>Actuation</b>	Pneumatic, Electric, Electro-Hydraulic <sup>1</sup> , Hydraulic <sup>1</sup>



1 - Non standard; 2 - For Valve Size 2.5" Pressure Class is limited to 1500#  
 UB – Unbalanced; PiB – Pilot Balanced; PB – Plug Balanced  
 RF – Raised Face Flange; RTJ – Ring Type Joint; NPT – National Pipe Thread

### ADVANTAGES:

- Economical and versatile design
- Customizable
- Low maintenance cost
- Quick change design
- Class III, IV, V & VI<sup>1</sup> leakage
- Multi-industry use

#### CIRCOR Flow Technologies India Pvt. Ltd.

SF No. 337/2, No.15 Naranapuram Village,  
 Thennampalayam to Annur Road,  
 Ponnandampalayam, Coimbatore 641659  
 Tamil Nadu, India

Phone: +91 (0) 421 2321600  
 Email: sales.valvesindia@circor.com

[circorindia.com](http://circorindia.com)

#### Regeltechnik Kornwestheim GmbH

Max-Planck-Str. 3  
 70806 Kornwestheim  
 Germany

Phone: +49 7514 1314-0  
 Fax: +49 7514 1314-333  
 Email: info@rtk.de

[rtk.de](http://rtk.de)

#### SCHROEDAHL GmbH

Alte Schönenbacher Str. 4  
 51580 Reichshof-Mittelagger  
 Germany

Phone: +49 2265 9927-0  
 Fax: +49 2265 9927-947  
 Email: schroedahl@circor.com

[schroedahl.com](http://schroedahl.com)

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