



AttenuFlow® RCV Series

Liquid and Gas Rotary Control Valves



TVS ENGINEERED
TVS PRODUCTS

AttenuFlow® RCV Series Rotary Control Valves

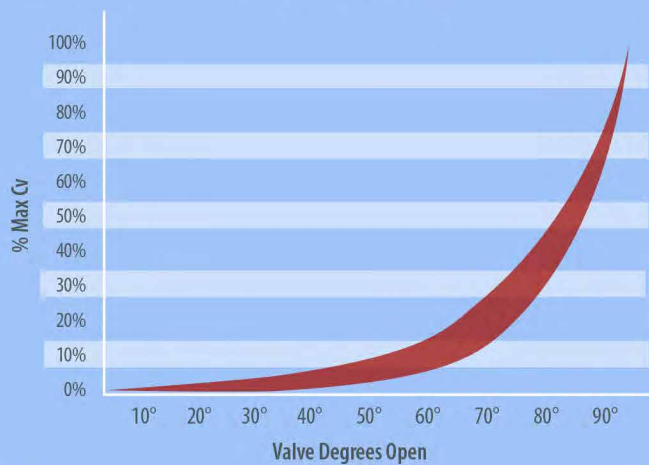
The AttenuFlow® RCV G-series and L-series rotary control valves from Total Valve Systems are designed for maximum performance and minimum noise or cavitation. Engineered, manufactured and tested in our ISO 9001:2015 facility in Broken Arrow, Oklahoma, and available in a wide range of sizes and pressure ratings, AttenuFlow RCV valves provide the quality and reliability, value required for today's demanding applications.

ATTENUFLOW® SERIES FEATURES, ADVANTAGES & BENEFITS

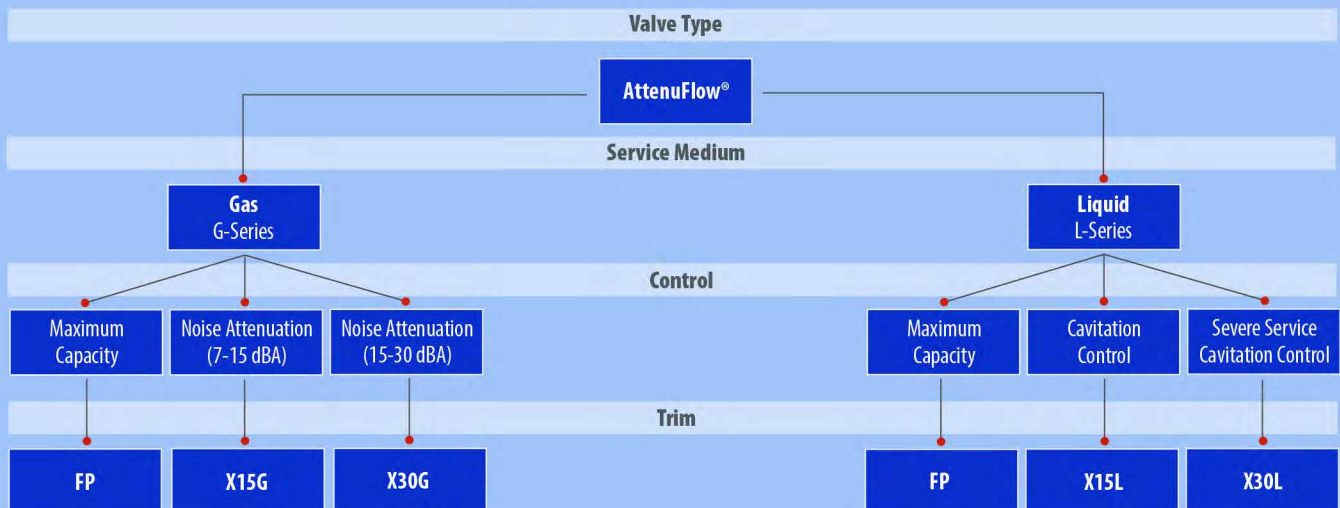
- One-week Rush Production Available
- Both Gas and Liquid Service Solutions Available
- All Common Actuation Systems (Electric, Pneumatic, and Hydraulic)
- Trim Options for Superior Noise and Cavitation Attenuation
- High Performance and Reliability
- Dual Seats (Viton®, Graphite, HNBR)
- Proprietary Design Self-Healing Lubricant
- Engineered, Manufactured, Assembled and Tested in our ISO 9001:2015 facility in Broken Arrow, Oklahoma
- TVS High-precision Actuation Systems to Minimize Hysteresis
- In-house Flow Testing Lab



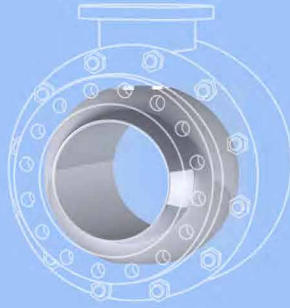
FLOW PROFILE RANGE



VALVE SELECTION MATRIX



ATTENUFLOW® SPECIFICATIONS



FP TRIM



X15 TRIM



X30 TRIM

Size	6"-30" +	6"-30" +	6"-30" +
Pressure Ratings (ANSI)	150-900*	150-900*	150-900*
End Connections	RFFE, RTJ, Weld End	RFFE, RTJ, Weld End	RFFE, RTJ, Weld End
Temperature Range	-50°F - 650°F	-50°F - 650°F	-50°F - 650°F
Service	Liquid (L Series) Gas (G Series)	Liquid (L Series) Gas (G Series)	Liquid (L Series) Gas (G Series)
Actuation	Pneumatic, Hydraulic, Electric, Manual*	Pneumatic, Hydraulic, Electric, Manual*	Pneumatic, Hydraulic, Electric, Manual*
Rangeability / Turndown	Up to 100:1	Up to 300:1	Up to 300:1
Noise Attenuation	Baseline	7-15 dBA	15-30 dBA
Shutoff Rating	API 6D, Bubble Tight	Class IV	Class IV
Cv Control Range	10%-90% of Cv (SOP)	10%-90% of Cv (SOP)	10%-90% of Cv (SOP)
Flow Direction	Uni-directional**	Uni-directional**	Uni-directional**

MATERIALS OF CONSTRUCTION***

Body	WCB, LF2, CF8M, Other	WCB, LF2, CF8M, Other	WCB, LF2, CF8M, Other
Stem	17-4PH, SAE 4130 Nickel Chrome Plated	17-4PH, SAE 4130 Nickel Chrome Plated	17-4PH, SAE 4130 Nickel Chrome Plated
Ball	Nickel Plated Carbon Steel, 17-4PH	Nickel Plated Carbon Steel, 17-4PH	Nickel Plated Carbon Steel, 17-4PH
Trim	17-4PH	17-4PH	17-4PH
Ball Coatings	ENP, Carbides, Nitride QPQ, Polymer Coating	ENP, Carbides, Nitride QPQ, Polymer Coating	ENP, Carbides, Nitride QPQ, Polymer Coating
Seals	Viton®, Graphite, HNBR	Viton®, Graphite, HNBR	Viton®, Graphite, HNBR
Seats	Dual-Seated, RPTFE, PEEK, Nylon, Self-healing	Dual-Seated, RPTFE, PEEK, Nylon, Self-healing	Dual-Seated, RPTFE, PEEK, Nylon, Self-healing

*Additional options are available on request

**Bi-directional available on request

***Non-standard materials of construction are available on request

DESIGN STANDARDS AND CODES

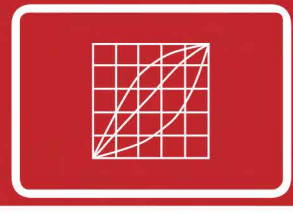
ASME B16.5	Pipe flanges and flanged fittings
ASME B16.10	Face-to-face and end-to-end dimensions of valves
ASME B16.25	Buttwelding ends
ASME B16.34	Valves – flanged, threaded, and welding end
API 6D	Specification for pipeline and piping valves
API 6FA	Specification for fire test for valves
API 607	Fire test for quarter-turn valves and valves equipped with nonmetallic seats
CRN	Canadian Registration Number
NACE MR0175	Petroleum and natural gas industries – materials for use in H2S-containing environments in oil and gas production
ATEX Dir. 9/49	Equipment for potentially explosive atmospheres
SIL Per IEC 61508	Functional Safety of Electrical/Electronic/Programmable Electronic Safety-related Systems



AttenuSize®

Control Valve Sizing Software from Total Valve Systems

The Engineering Team at Total Valve Systems has the ability to size any control valve solution for liquid, gas, or mixed phase applications with our proprietary AttenuSize® valve sizing software.



Total Valve Systems

1300 East Memphis

Broken Arrow, Oklahoma 74012

(800) 324-7035

www.TotalValve.com