






RG AND RGE SERIES MODULATING VALVES CONFIGURATION REQUIREMENTS

RG series: standard valve for modulating flow control applications offering flexibility for a wide selection of Kv/Cv value seats (ability to retrofit in field) and full range of options including change-over housing types, noise reduction, and ATEX.

RGE series: cost-effective alternative to the RG series with fixed Kv/Cv value seats and offering similar options and features.

Company Name: _____ **Contact Name:** _____ **Phone Number:** _____
Email Address: _____ **Company Address:** _____

Valve Type and Housing Combinations:	RGE-41	RGE-42	RG-41
			
Budget:	\$/€		\$\$/€€

Size: _____ **Product:** _____ **Seal Material:** EPDM HNBR FPM

Flow Characteristics: **STANDARD: Linear:** stroke changes are directly proportional to equal changes in Kv-value
Equal percentage: stroke changes correspond to equal-percentage changes of the respective Kv-value (i.e with small Kv-values, stroke changes result in small flow changes, and with large Kv-values, stroke changes result in large flow changes)

Options:
Aseptic Designs: With Diaphragm (RGMS, RGENS) With Steam Barrier (RG-DPF, RGE-DPF)
Noise reduction (RG ONLY) Metal seat (no elastomeric seat seal)
Manual handle actuation ATEX certified design (RG ONLY) 3-A certified design

Diaphragm actuator: (Samson)	Normal position: spring to close (MFS)	Normal position: spring to open (MFH)
	STANDARD: MAT 3277 Integrated design	MAT 3271 External Namur mount
Positioner: (Samson)	STANDARD: IP 3730-1 Electropneumatic (Auto-tune) signal: 4 – 20 mA	IP 3725 Electropneumatic signal: 4 – 20 A
		IP 763 Electropneumatic signal: 4 – 20 mA

Additional requirements to selected positioner:

NOTE: The main technical features of IP3725 vs. TROVIS 3730-1 are nearly identical. Housing material (IP3725/plastic, TROVIS 3730-1/metal)

Technical Parameters:		Minimum	Normal	Maximum	Additional Comments:
Flow rate	Q (m ³ /h, kg/h)				
Inlet pressure	p1 (bar abs.)				
Outlet pressure	p2 (bar abs.)				
Temperature	t (°C)				
Density	ρ (kg/m ³)				
Viscosity	η (cP)				
CIP flow rate	Q (m ³ /h, kg/h)				

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