

samson

AND
EVERYTHING
FLOWS

**NEXT
GENERATION
SEVERE SERVICE**

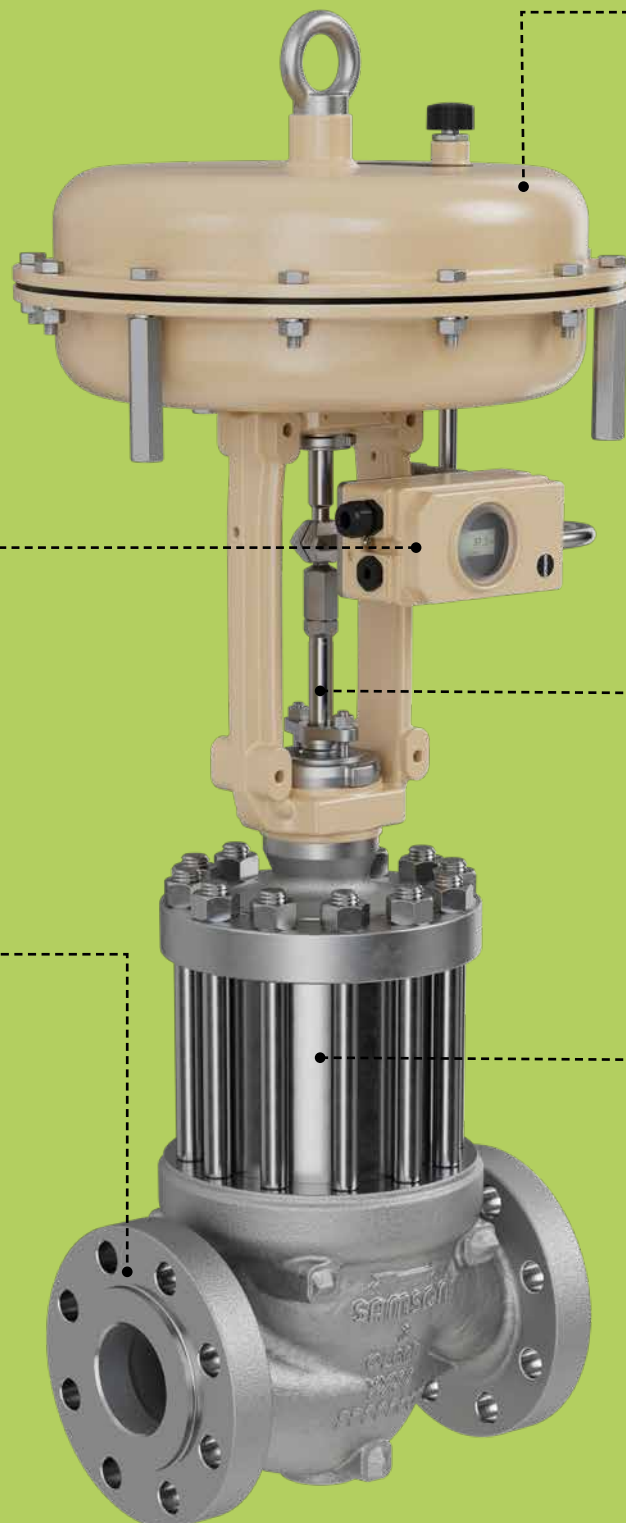
TYPE 261GR



The SAMSON 261GR Valves are part of the innovative SMS Series designed to meet the demands of the most challenging process applications. Their modular design simplifies maintenance and service.

Selected applications:

- Pump recycle control
- Amine service
- High pressure drops
- Cold high-pressure separators



Optimized plant integration

- Rolling diaphragm for easy maintenance and minimal wear during operation
- Very low external air loss

Effortless integration

- Smart positioners with automatic initialization
- Optional direct attachment for easy mounting

A new benchmark of performance

- Soft parts identical with Type 251GR for reduced inventory
- PTFE and graphite packings

The modular revolution

- Multi-stage axial flow trims (trash-tolerant and liquid cavitation service, high pressure drops)
- Quick-change trim design for shorter downtime
- Available in leakage classes IV and V acc. to DIN EN 60534-4 and ANSI FCI 70-2
- Compatible with all existing SAMSON actuators and accessories

Built for all operating conditions

- 3-, 4- and 6-stage trims can be swapped within the same body and bonnet
- Compact dimensions thanks to precisely sized extensions to match the number of control stages

Technical data	
Nominal size	DN 25 to 80/NPS 1 to 3
Pressure rating	PN 63 to 160/Class 300 to 900
Temperatures	-50 to +425 °C/-58 to +797 °F
Body material	Cast steel (1.0619/A216 WC), cast stainless steel (1.4408/A351 CF8M)
K_{vs} coefficients C_v coefficients	0.66 to 21.2 0.75 to 24.5
Leakage class according to IEC 60534-4 or ANSI/FCI 70-2	Standard: IV High performance: V
Characteristic	Linear



261GR TACKLES EVEN THE MOST CHALLENGING CONDITIONS

- The flow path with redirection, splitting, converging and multi-staging of the medium flow prevents cavitation and reduces noise emissions and erosion
- Available with 3-, 4- and 6-stage trims to match the application parameters (such as pressure drop)
 - To handle cavitation, solid particles and other critical flow conditions
 - Customized for specific operating conditions
- Wide flow path to prevent clogging by solids up to 11 mm/0.4 inch in size
- Zero travel to prevent damage of the sealing area and ensure a tight shut-off over a long period of time
- Pressure balancing available for smaller actuator sizes



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