

# Model S600A

## Adjustable Choke

SAYATVA'S Model S600A Adjustable Choke offers various features making it suitable for wellhead applications in oil and gas services up to 15,000 PSI operating pressure.

### Needle type Stem and Seat Design:

It is used to control the flow rate of fluids for a broad range of application, including well testing, wellheads, stream injection, choke manifold and well clean operation, etc.

### Tungsten Carbide Tip:

The Stem and Seat Sealing is provided with tungsten carbide. It is suitable for demanding conditions such as flashing and cavitation. On occasion, the service life is long, and the flow adjustment accuracy can be greatly improved.

### Orifice Indicator:

Provided with Indicator to show orifice size with increment of 1/64th inch. The variation in choke orifice size is achieved by rotating hand wheel to obtain desired flow rate at downstream side.

### Body Vent Fitting:

Built-in safety feature which releases residual pressure in the choke body before the nut is fully removed.

### Reliability:

The Model S600A adjustable chokes has a track record of proven performance in the field, indicating its reliability.

### Application:

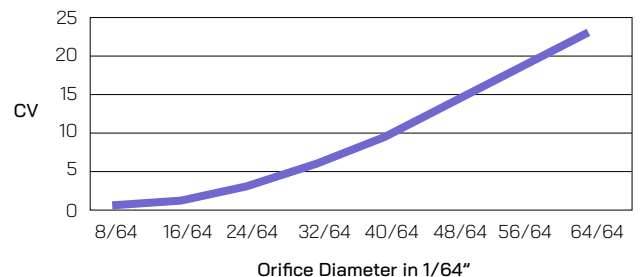
- Drilling Application
- Production Applications
- Well Head & Christmas Tree equipment
- Choke Manifold
- Kill manifold
- Choke & Kill Manifold

### Features & Benefits:

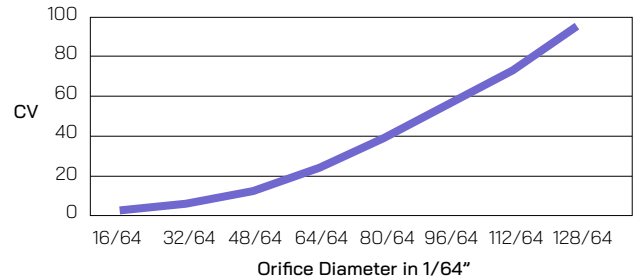
- Needle and seat type
- Stem with Carbide tip to extend the service life
- Position indicator available in 1/64th increment
- Flow control through adjusting the stem
- Easy assembly and disassembly
- Low maintenance



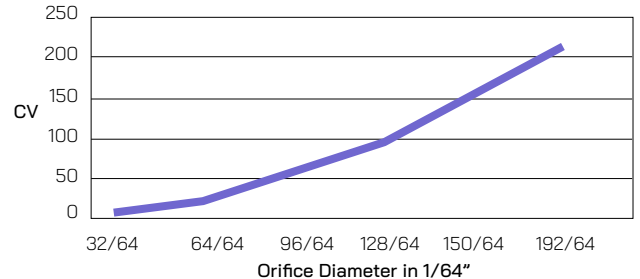
H2 Performance Curve 1" Orifice



H2 Performance Curve 2" Orifice



H2 Performance Curve 3" Orifice

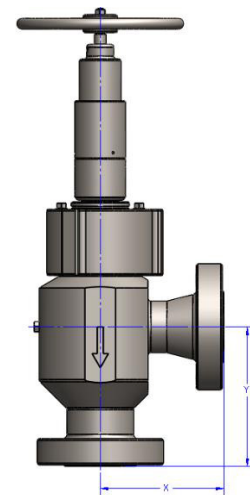


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Technical Specification:	
Inlet / Outlet Connections	2-1/16" to 4-1/16"
API Pressure Rating (PSI)	2000, 3000, 5000, 10000, 15000
Design Standard	API Spec 6A & API 16C Latest Edition
Material Class	API Material class DD up to HH-NL - The valve body / bonnet with forged construction - API 75K material, impact tested
Temperature Range	-50 deg. F to 350 deg. F
PSL	PSL 1, PSL 2, PSL 3 & PSL 3G
PR	PR 1, PR 2, PR2F
Service Condition	NACE MR0175 / H2S Service.
Trim options	- Needle type Stem & Seat with Tungsten Carbide tip - Stem and Seat can be nitrided or QPQ as an Option
Actuation	Hand Wheel Type & Gear Actuated Type
Inlay Requirements	Alloy 625 inlay for Ring Grooves, Seat Pockets & Stem Packing Area (upon request)
Choke X & Y Dimensions	As per Sayatva Standard's
Monograms	As per API 6A & API 16C latest Edition
Certifications / Type Approval	Additional Third-party certification available upon request
Aramco Requirements	Valves in compliance with Aramco Well Control 6 <sup>th</sup> Edition are available upon request

Choke Dimensions:			
Choke Size	Pressure Rating	X - Dimensions	Y - Dimensions
<b>1" Orifice</b>			
2-1/16"	5K	6.88"	8.00"
	10K	7.68"	8.81"
3-1/8"	3K	7.81"	8.93"
	5K	9.68"	9.56"
3-1/16"	10K	10.38"	11.75"
<b>2" Orifice</b>			
3-1/8"	3K / 5K	8.88"	11.38"
3-1/16"	10K	10.38"	11.75"
<b>3" Orifice</b>			
4-1/16"	5K	12.25"	12.25"
	10K	13.25"	13.25"



Dimensions and BOM details are available upon request. For further questions or quotations requests, contact [sales@sayatva.com](mailto:sales@sayatva.com).

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