



CACTUS FLOW PRODUCTS

**CLPB SERIES  
CHOKE  
DATASHEET**

# ABOUT US

Since designing and manufacturing its first choke valve in 2001, Cactus Flow Products LLC has consistently worked to be the preferred vendor for oil and gas companies. This commitment to excellence has always distinguished Cactus Flow Products from other choke valve brands.

Driven by a dedication to quality, product innovation, and exceptional customer service, we strive to be best in class. Our values are rooted in honesty, integrity, honor, and an unwavering commitment to excellence. We believe these qualities, embodied by our team and channel partners, are key to our continued growth and success.

We are committed to fostering long-term partnerships with our customers, delivering unparalleled value and service.

Our chokes come in a wide range of materials and configurations, making them suitable for various applications. We maintain an extensive inventory of industry-standard chokes and replacement parts, ensuring that the products you need are always just a phone call away.

Cactus Flow Products choke assemblies are proudly manufactured in the USA.



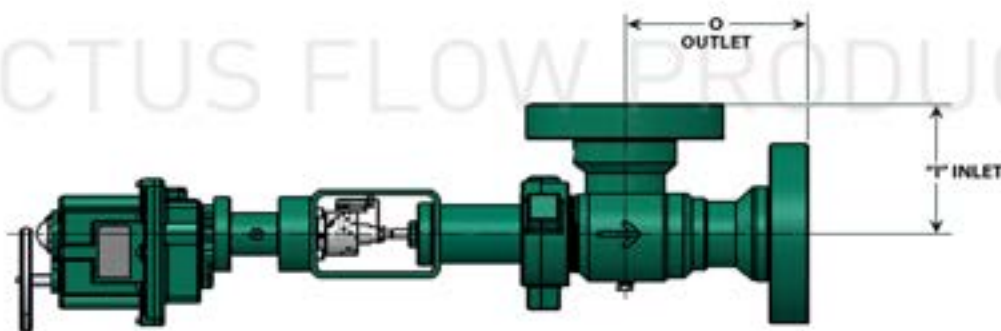
# Orifice Sizing and Selection

Proper choke valve trim sizing and material selection are crucial for ensuring long valve life. The correct trim size ensures optimal flow control, preventing issues like cavitation and erosion that can shorten the valve's lifespan. If the trim is too large or small, it can cause excess stress and wear. Similarly, selecting the right materials—such as corrosion-resistant alloys or hard coatings—protects the valve from corrosion, erosion, and damage in harsh environments. At Cactus Flow Products LLC, we'll help you make the optimal selections for your specific application, that could lead to efficient performance, reduced maintenance, and minimal downtime.



## Replacing the Competitor

Cactus Flow Products has extensive familiarity with choke valve designs from various manufacturers in the industry. Our team is capable of manufacturing valves equivalent to most models available, tailored to your specific requirements and desired dimensions. Whether you need a custom solution or a direct replacement, we ensure that our valves meet the highest standards of quality and performance.



# Configurations



Cactus Flow Products' choke valves are highly versatile, easily adapting between positive, adjustable, and automated configurations to meet your needs. This flexibility allows for optimized performance with minimal downtime and no need for additional equipment.

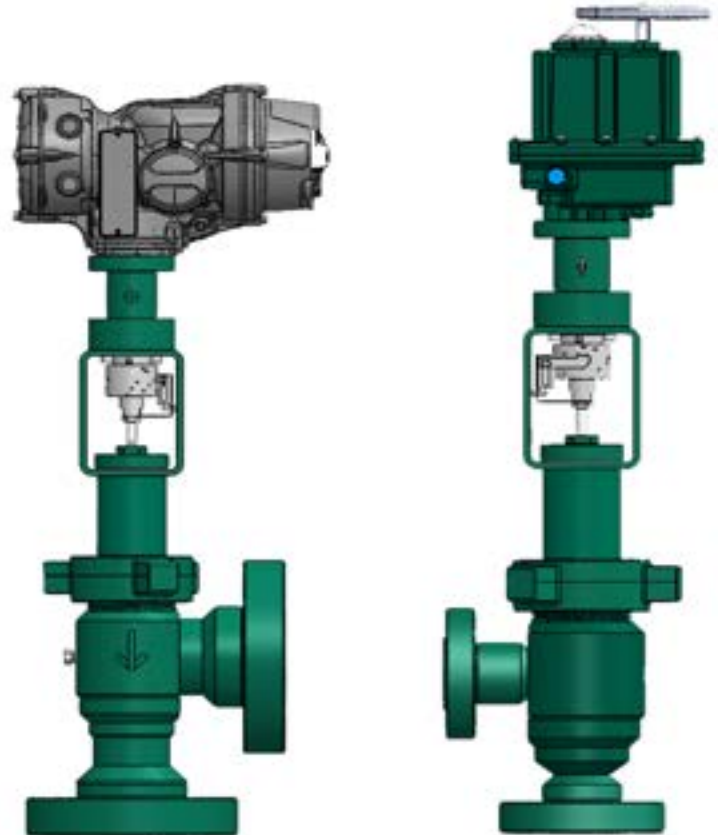
## Positive



## Adjustable

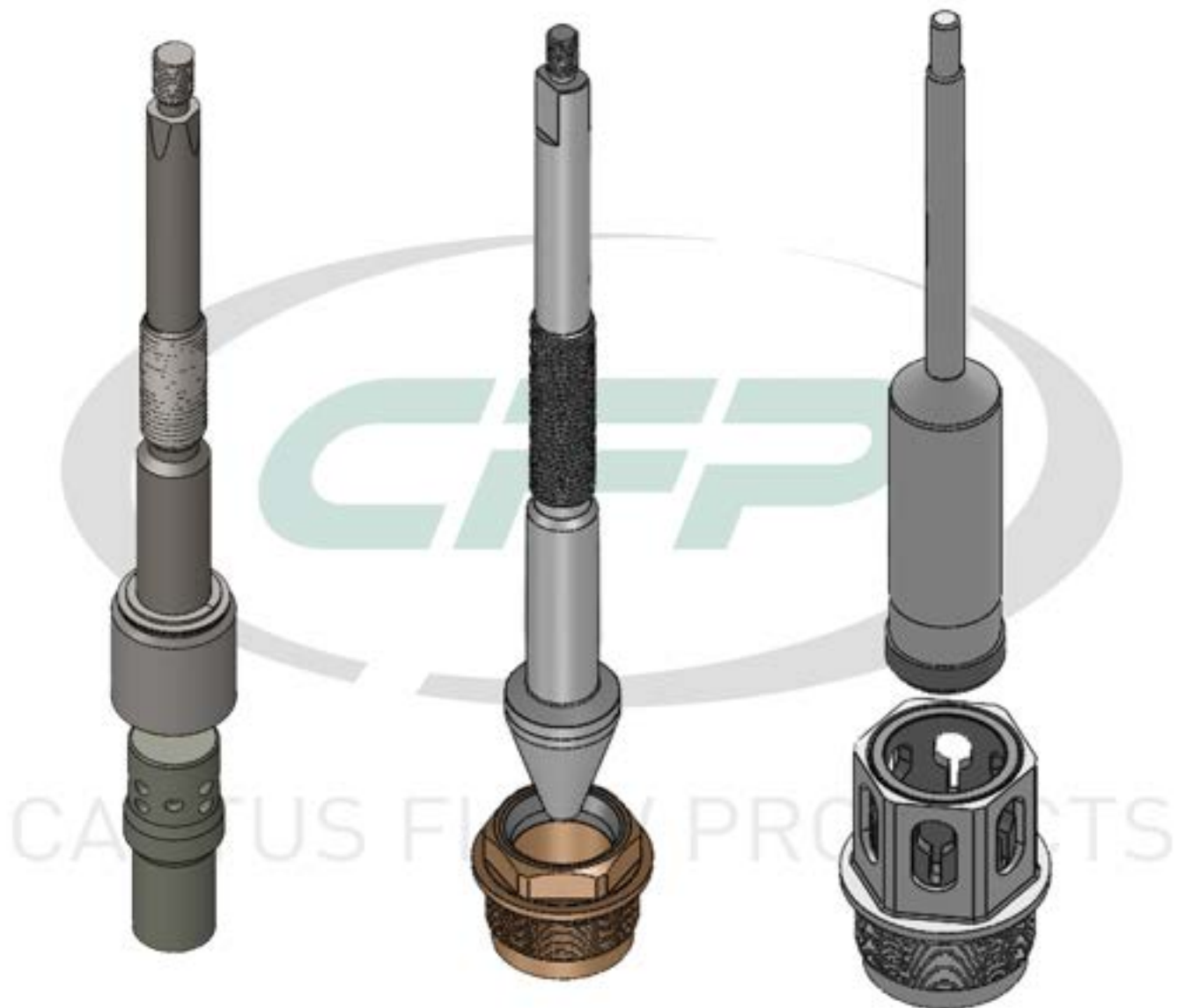


## Automated



# Trim Options

Cactus Flow Products' choke valves support various trim types, offering customization for better flow control, reduced wear, and improved performance across different applications. This flexibility ensures optimal operation and system longevity.



# Actuation Packages



Cactus Flow Products' choke valves are highly versatile, easily integrating with various actuator models available in the market. This is made possible by our valves' significantly lower torque compared to other manufacturers, allowing for a wider selection of actuators. This feature helps reduce costs by enabling more cost-effective actuator choices while maintaining high performance and reliability.

## Electric Actuators

### Features:

- *Precise Control:* Offers accurate, consistent valve position control.
- *Low Maintenance:* Fewer moving parts, no air or hydraulic fluids needed.
- *Energy Efficiency:* Perfect for remote locations relying on solar power.
- *Compact Design:* Lightweight and space-saving.
- *Remote Operation:* Easily controlled and monitored remotely.
- *Easy Integration:* Seamlessly integrates with control systems.
- *Environmentally Friendly:* No emissions or leaks compared to hydraulic or pneumatic actuators.
- *Safety:* Built-in fail-safes for enhanced safety.
- *Quiet Operation:* Operates more quietly than other type of actuators.
- *High Reliability:* Fewer wear-prone components, offering longer life.



## Pneumatic Actuators

### Features:

- *Reliable in Harsh Conditions:* Performs well in extreme temperatures and environments.
- *Safety:* Safe in explosive environments due to lack of electrical components.
- *No Power Supply Needed:* Operates with compressed air, reducing the need for electrical connections.
- *Corrosion Resistance:* Suitable for use in wet or humid environments without concern for rust or corrosion.
- *Ease of Control:* Simple to control with air supply pressure adjustments.
- *Adjustable Speed:* Speed can be controlled with air pressure adjustments.



**Please note** not all options are listed in this brochure. If you don't see a specific option you need, please reach out to one of our sales representatives, and they will be happy to assist you in finding the right solution for your requirements.

CONNECTIONS			
2" 600	6" 1500	2-1/16" 5,000	4-1/16" 15,000
2" 900	6" 2500	2-1/16" 10,000	5-1/8" 5,000
2" 1500	8" 600	2-1/16" 15,000	5-1/8" 10,000
2" 2500	8" 900	2-9/16" 3,000	7-1/16" 3,000
3" 600	8" 1500	2-9/16" 5,000	7-1/16" 5,000
3" 900	8" 2500	2-9/16" 10,000	7-1/16" 10,000
3" 1500	10" 600	2-9/16" 15,000	9" 3,000
3" 2500	10" 900	3-1/8" 3,000	9" 5,000
4" 600	10" 1500	3-1/8" 5,000	9" 10,000
4" 900	10" 2500	3-1/16" 10,000	11" 3,000
4" 1500	1-13/16" 5,000	3-1/16" 15,000	11" 5,000
4" 2500	1-13/16" 10,000	4-1/16" 3,000	11" 10,000
6" 600	1-13/16" 15,000	4-1/16" 5,000	
6" 900	2-1/16" 3,000	4-1/16" 10,000	

API 6A Temp. Ratings	Operating Range °F			Operating Range °C		
L	-50	TO	+180	-46	TO	+82
P	-50	TO	+180	-29	TO	+82
S	-20	TO	+150	-18	TO	+66
T	0	TO	+180	-18	TO	+82
U	0	TO	+250	-18	TO	+121
V	35	TO	+250	+2	TO	+121
X	0	TO	+350	-18	TO	+177
Y	0	TO	+650	-18	TO	+343

Needle	Max Cv
1"	24
2"	93
Cage & Plug	Max Cv
.75"	11
1.1"	24
1.75"	67
2.22"	103
3.25"	221
6.5"	932

	BB - GENERAL SERVICE	EE-SOUR SERVICE	FF-SOUR SERVICE	HH-SOUR SERVICE
RECOMMENDED SERVICE	General Oil Corrosive (CO2)	Sour (H2S) Low Corrosive (CO2)	Sour (H2S) Corrosive (CO2)	High Sour (H2S) High Corrosive (CO2)
BODY	Carbon Steel (60K) Low Allow Steek (75K)	Carbon Steel (60K) Low Allow Steek (75K)	Stainless Steel (75K)	Clad Low Alloy Steel Corrosion Resistant Alloy
TRIM	Stainless Steel Tungsten Carbide Ceramic	Stainless Steel Tungsten Carbide Ceramic	Stainless Steel Tungsten Carbide Ceramic	Tungsten Carbide Ceramic

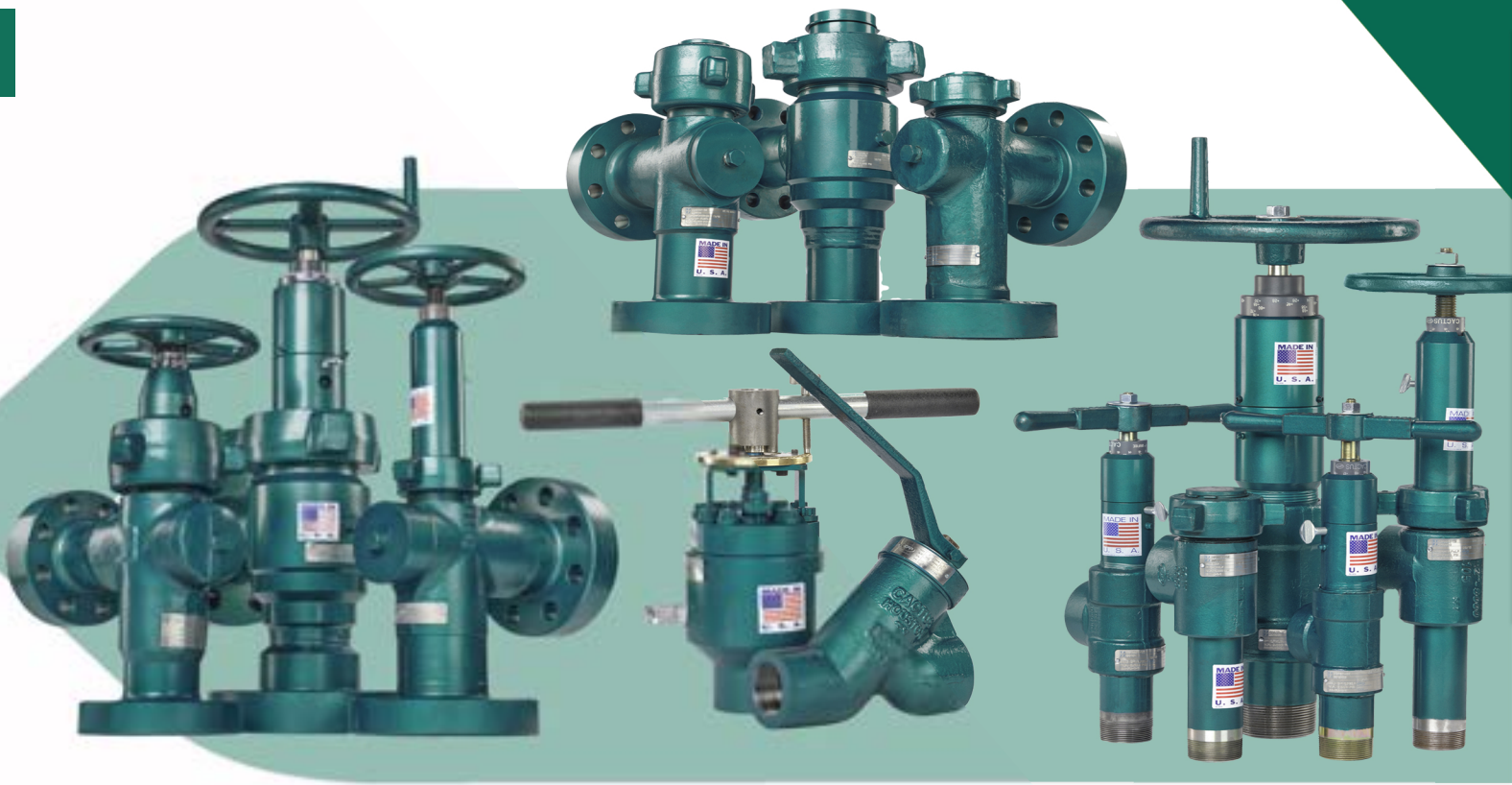
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# Cactus Flow Products

Cactus Flow Products is known for premium products and superior service. In 1996 our very first pig valve was designed and manufactured, and in 2001 our first choke was built locally here in the great state of Texas. In a short period of time Cactus Chokes & Tulsa Pig Valves became a house hold names throughout the industry.



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