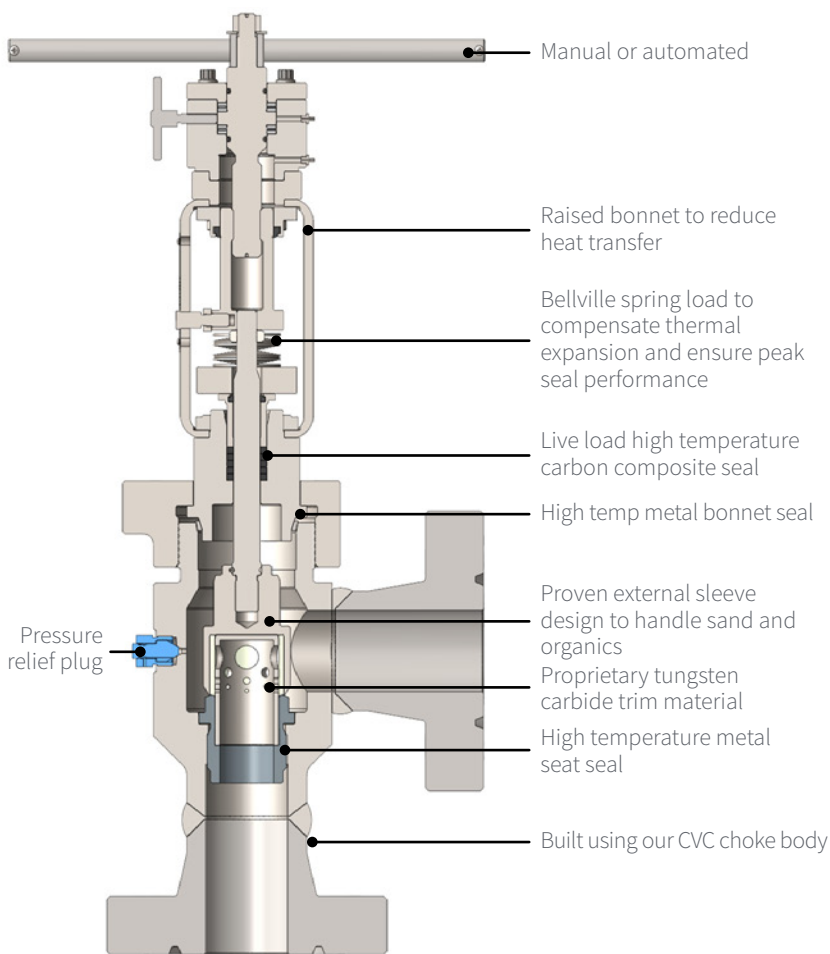


High Temperature Choke Valves

Heat and sand are no match for our CVC-ME HT chokes. Once again, we're advancing flow control capabilities.

No other choke available today performs like our CVC-ME external sleeve chokes. With field-proven sand handling abilities, the CVC-ME choke you trust is now available with additional performance capabilities to handle temperatures up to 650°F/345°C and are available in manual and automated.

With our proprietary design featuring best-in-class carbon sealing technology, the CVC-ME HT choke complies with the API 6A highest temperature classes. The external sleeve trim elevates the fluid dynamics efficiency inside the large body cavity of the choke. This conditions the media to the trim and offers high performance when you need it most.



Features and Benefits

- API 5K external sleeve design
- Suited for temperatures up to 650°F/ 345°C
- High temperature live loaded stem packing design
- Superior fluid management
 - Proven sand handling abilities offering the lowest cost of ownership in the industry
 - Linear and equal percentage flow characteristics
- Low friction stem to mitigate scaling effects available
- Hammer union or bolted bonnet available
- Heat sink bonnet design uses metal seal to dissipate heat more efficiently
- PSL-1 standard, PSL-2, and PSL-3 available
- Designed to meet API 622 and ISO 15848-1



Tool Specification

	CVC1	CVC2	CVC3	CVC4	CVC5
Max Orifice	1 in.	2 in.	3 in.	4 in.	5 in.
CV	17	Up to 70	156	240	368

Material Options

	Non-NACE Trims		NACE Trims									
API Material Class	BB	CC	EE 0.5	EE 1.5	EE-NL	EE-3601	FF 0.5	FF 1.5	FF-NL	FF 3601	HH-NL	HH 3601
Service	General	General	Sour	Sour	Sour	Sour	Sour	Sour	Sour	Sour	Sour	Sour
Corrosive	Slightly	Moderate	Moderate	Moderate	Moderate	Moderate	High	High	High	High	High	High
Body	AISI 4130 Alloy Steel	AISI 410 SS	AISI 4130 Alloy Steel	AISI 4130 Alloy Steel	AISI 4130 Alloy Steel	AISI 4130 Alloy Steel	AISI 410 SS	Grade F6NM SS	Grade F6NM SS	AISI 410 SS	AISI 4130 w/ Alloy 625 Cladding	AISI 4130 w/ Alloy 625 Cladding
Bonnet Material	AISI 4130 Alloy Steel	AISI 410 SS	AISI 4130 Alloy Steel	AISI 4130 Alloy Steel	AISI 4130 Alloy Steel	AISI 4130 Alloy Steel	AISI 410 SS	Grade F6NM SS	Grade F6NM SS	AISI 410 SS	AISI 4130 w/ Alloy 625 Cladding	AISI 4130 w/ Alloy 625 Cladding
Bolting Material	ASTM A320 L7	ASTM A193 B7	ASTM A193 B7	ASTM A320 L7	ASTM A320 L7	ASTM A193 B7	ASTM A320 L7	ASTM A320 L7	ASTM A320 L7	ASTM A193 B7	ASTM A320 L7	ASTM A193 B7
Trim Material	17-4PH/ Tungsten	17-4PH/ Tungsten	17-4PH/ Tungsten	17-4PH/ Tungsten	17-4PH/ Tungsten	17-4PH/ Tungsten	17-4PH/ Tungsten	17-4PH/ Tungsten	17-4PH/ Tungsten	17-4PH/ Tungsten	17-4PH/ Tungsten	718/ Tungsten
Stem Material	AISI 410 SS	AISI 410 SS	17-4PH	AISI 410SS	Alloy 725	Alloy 718	Grade 17-4 PH SS	F6NM SS	Alloy 725	Alloy 718	Alloy 725	Alloy 718
Stem Packing	Live Loaded Graphite											

*Other materials available upon request

Standard API 6A End Connection Size

Pressure Rating	2000 psi	3000 psi	5000 psi		
Flange Size	2 $\frac{1}{16}$ in.	2 $\frac{3}{16}$ in.	3 $\frac{1}{8}$ in.	4 $\frac{1}{16}$ in.	5 $\frac{1}{8}$ in.

Standard ANSI B16.5 Connection Size

Class	150	300	400	600	900	1500	2500
NPS	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$	3	4	5	6

Other sizes, end connections, and configurations available. Contact factory for details.

Actuation/Automation Options

Pneumatic VBS-100 Stepping Actuator
Hydraulic VBS-100 Stepping Actuator
Electric
Pneumatic Piston
Pneumatic Diaphragm
Hydraulic
Manual