

The Best Features of a
Soft Seal and a Hard Seal
ALL IN A SINGLE VALVE.

CAMI- VALVE

APPLICATIONS

- General valve requirements for bubble-tight shutoff
- Natural gas distribution
- Natural gas transmissions
- Liquid pipeline valving
- Industrial applications
- Water service
- Slurry pipelines



AND LOCKING DEVICES

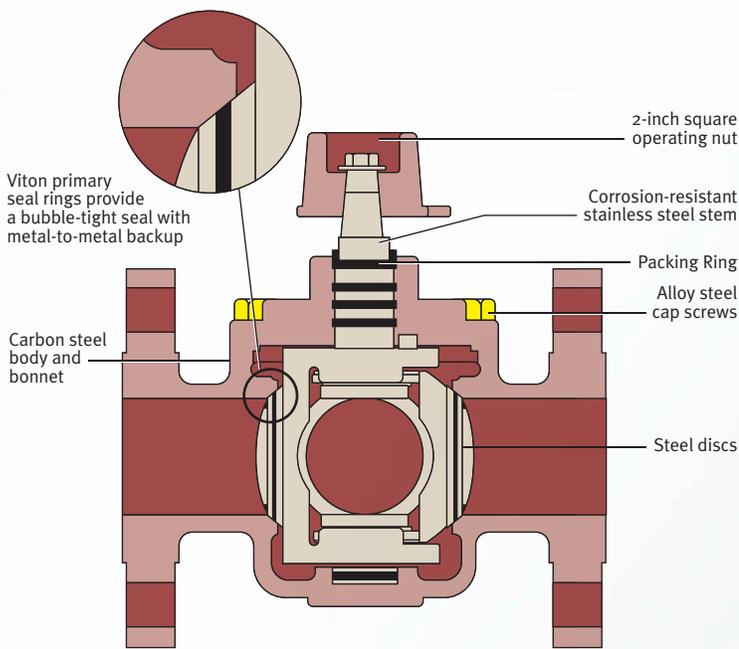


International Measurement and Control Systems

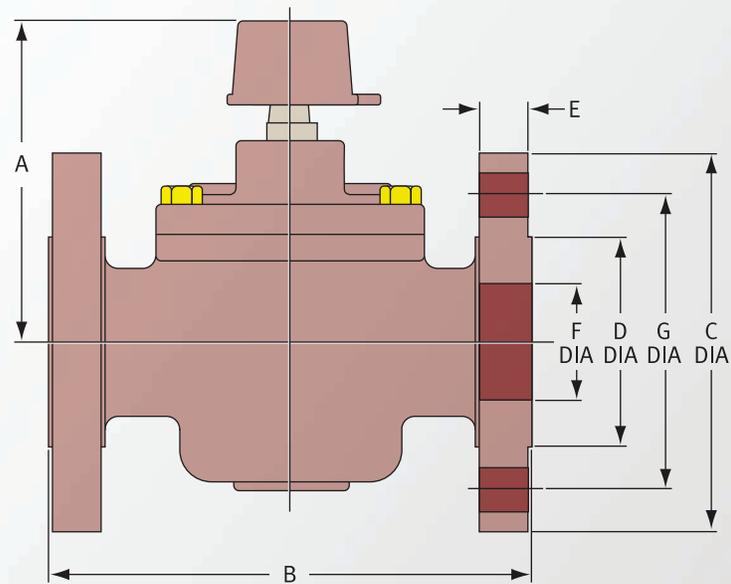
90 Main Street, PO Box 1605 • Tullytown, PA 19007

1-800-955-4GAS • Phone: (215) 946-2200 • Fax: (215) 943-2984

Email: sales@imacsystems.com www.imacsystems.com



DIMENSIONS



BUBBLE-TIGHT SEALING IN A QUARTER TURN 2-Sided Redundant Seal

Sealing members in the Cami-Valve from IMAC are cam-actuated by the valve stem. The degree of actuation is controlled by a precisely machined pin-and-groove program plate.

In the open position, the bore is unrestricted and the sealing members (discs) are locked away allowing full flow.

Upon stem rotation, the discs first rotate into line with the flow, then expand against the seats to form a double seal.

Viton®* primary seal rings on the discs assure a bubble-tight seal, and the discs close tightly against the body to provide a near bubble-tight secondary seal.

OPTIONAL FEATURES AVAILABLE:

- All Viton® trim
- Body bleed taps
- Extension pups
- Epoxy coating

ACCESSORIES AVAILABLE:

- Operating wrenches
- Locking device
- Keyed lockout adapter



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ANSI 150 Class (275 WOG)

VALVE SIZE	A	B			C (EXCLUDING WW)
		WW	FF	WF	
2	5 ³ / ₈	8 ¹ / ₂	7	7 ³ / ₄	6
3	6 ¹ / ₈	11 ¹ / ₈	8	9 ⁹ / ₁₆	7 ¹ / ₂
4	7 ¹ / ₈	12	9	10 ¹ / ₂	9
6	8 ³ / ₄	15 ⁷ / ₈	10 ¹ / ₂	13 ³ / ₁₆	11
D	E(1)	F	G	FLANGE BOLT HOLE DIA.	NO. OF HOLES
3 ⁵ / ₈	⁵ / ₈	2	4 ³ / ₄	³ / ₄	4
5	³ / ₄	3	6	³ / ₄	4
6 ³ / ₁₆	¹⁵ / ₁₆	4	7 ¹ / ₂	³ / ₄	8
8 ¹ / ₂	1	6	9 ¹ / ₂	³ / ₄ - 10 ⁽²⁾	8

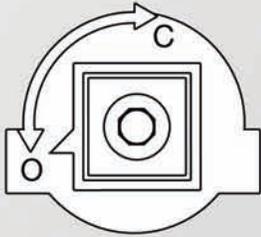
ANSI 300 Class (720 WOG)

VALVE SIZE	A	B			C (EXCLUDING WW)
		WW	FF	WF	
2	5 ³ / ₈	8 ¹ / ₂	8 ¹ / ₂	8 ¹ / ₂	6 ¹ / ₂
3	6 ¹ / ₈	11 ¹ / ₈	11 ¹ / ₈	11 ¹ / ₈	8 ¹ / ₄
4	7 ¹ / ₈	12	12	12	10
6	8 ³ / ₄	15 ⁷ / ₈	15 ⁷ / ₈	15 ⁷ / ₈	12 ¹ / ₂
D	E(1)	F	G	FLANGE BOLT HOLE DIA.	NO. OF HOLES
3 ⁵ / ₈	⁷ / ₈	2	5	³ / ₄	8
5	1 ¹ / ₈	3	6 ⁵ / ₈	⁷ / ₈	8
6 ³ / ₁₆	1 ¹ / ₄	4	7 ⁷ / ₈	⁷ / ₈	8
8 ¹ / ₂	1 ¹ / ₂	6	10 ⁵ / ₈	⁷ / ₈	12

Please note: (1) Dimension includes raised face. (2) Flanges have tapped holes due to space limitations. Dimensions are in compliance with ANSI B16.5 and B16.10.

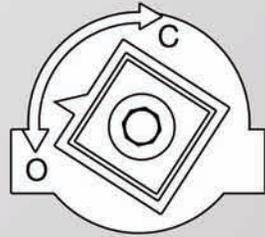
*Registered Trademark of DuPont Performance Elastomers L.L.C.

INNOVATIVE VALVE ENGINEERING



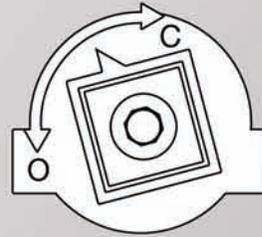
FULLY OPEN

The Cami-Valve provides unrestricted flow. The internal mechanism is “locked open” with the disc seals positioned out of the direct line of flow.



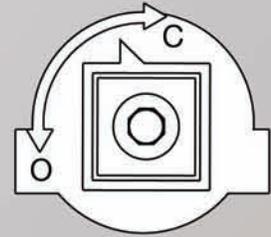
INTERNALS EXPAND

As the operating nut is turned, the valve internal mechanism expands from its locked open position and can rotate freely inside the valve body.



THROTTLING POSITION

Continuing to turn the nut further rotates the Cami-Valve's internal mechanism 90 degrees (throttling position) without contacting body seats.



FULLY CLOSED

Turning the operating nut to the closed position completely expands the valve discs and tightens the Viton® primary seal rings against the valve body.

FULLY OPEN OR CLOSED IN A QUARTER TURN

FULLY OPEN

THROTTLING

FULLY CLOSED



FEATURES

- **Maintenance-free performance**
No lubrication required
- **Bubble-tight shutoff**
110% seat-tested;
150% shell-tested
- **Fully open or closed in a 1/4 turn**
2" sq. ductile iron operating nut
ASTM A536, Grade 65-45-12
- Seals upstream and downstream simultaneously
- Viton® primary seal rings
- **Corrosion-resistant stainless steel stem & cams** ASTM A743, Type 410
- **Steel body and bonnet construction**
ASTM A216, Grade WCB
- 100% full unrestricted flow in open position
- Integral valve position indicator
- Uniform flow over the seals minimizes abrasion during throttling
- Low profile
- Weld x Weld, Flange x Flange, and Weld x Flange configurations available
- Field removable cartridge

HOW TO ORDER THE CAMI-VALVE

VC200 — (pressure class) — (configuration) — (add —s for epoxy coating)

15 = ANSI 150

30 = ANSI 300

WW = Weld x Weld

FF = Flange x Flange

WF = Weld x Flange

Example: VC200 — 15 — WW is a 2", ANSI 150 Class, Weld x Weld end valve

VC400 — 30 — WF — s is a 4", ANSI 300 Class, Weld x Flange end valve, epoxy coated

DESCRIPTION

The Cami-Valve from IMAC introduces a totally new class of valves for oil, gas, pipeline, and industrial applications. Designed to provide the features that are most requested by engineering and operations personnel, the Cami-Valve combines the best of both worlds – the full port, low maintenance advantages of a hard-seated gate valve, with the quick operation of a soft-seated plug valve. Multiple throttling configurations and available options make it easy to customize valves to specific end applications, such as block valve distribution services, meter and regulator stations, system-blow-downs, hot tapping, pipeline valving, and other applications that demand a positive shutoff. Compliant with current industry standards and specifications, the Cami-Valve is your answer to premium quality and maintenance-free performance at a competitive price.

ABOUT IMAC SYSTEMS, INC.

Fully outfitted to
service all gas
measurement,
control, and
transmission
applications and
equipment, IMAC
Systems, Inc.
is where...

- Representatives and distributors expedite same-day shipping of proprietary and specialty products from one of the largest in-stock inventories in the industry.
- A fast-turnaround service shop repairs and calibrates gas meters and instruments of all sizes.
- Precision machinists produce a variety of products – proprietary, custom, and high volume – to the strictest quality controls, based on military aerospace standards.
- USA, family-owned, 3rd generation
- 90% of orders shipped the same day
- Full CNC Capability



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