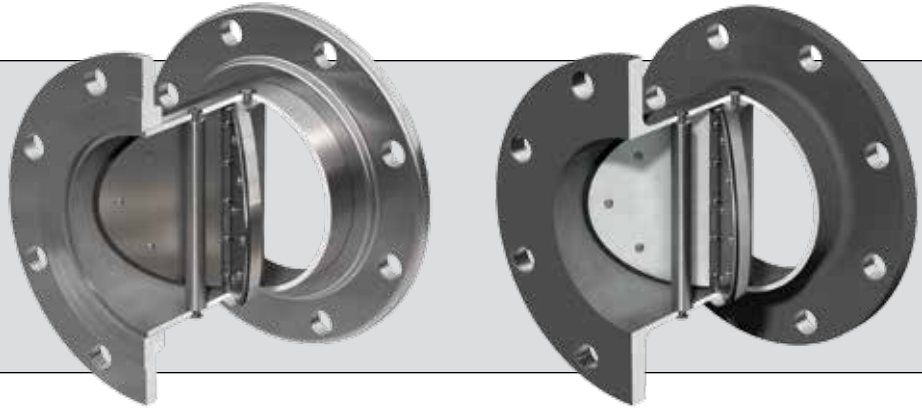


ELASTOMER HINGE TYPES

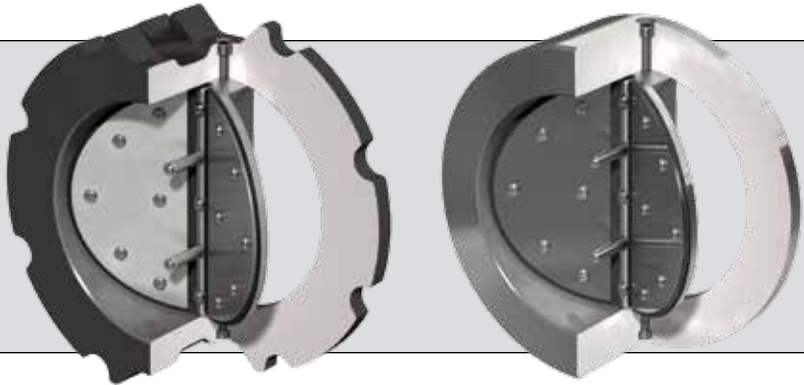
Full Flanged

Classes 125#, 150# and 300#
Sizes 1" to 48"



Short-Form (SF) Wafer

Ideal design for air service, light duty
and liquid applications.
Sizes 1" to 72"



Male Threaded Ends, Grooved Ends and Plain Ends

Sizes 1" to 20"



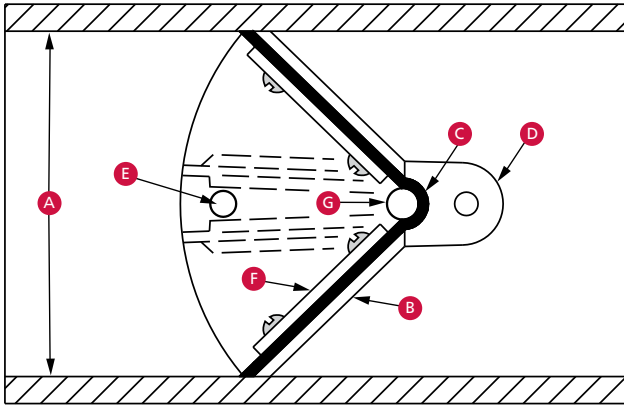
Deep Well

Female threaded valve designed for deep well
applications to 1000 ft (304.8 m).
Sizes 1" to 12"





ELASTOMER HINGE DESIGN



- A Full Port**
Provides maximum flow with minimum pressure loss.
- B Valve Plates**
Offer metal support and minimum travel.
- C Sealing Member**
Provides tight shutoff and prolonged life cycle.
- D Hinge Post**
Precision air foil design offers streamlined flow.
- E Travel Stop**
Prevents over-travel of plates. Location is size dependent; smaller valves have stops attached to hinge clamp.
- F Clamp Plate**
Provides added support.
- G Hinge Clamp**
Remains stationary with no metal components around hinge post rotation.

Design Features

Unrestricted full port seatless design

- Maximum flow area
- Minimum pressure drop

Elimination of metal-to-metal rotating parts

- No pins to wear
- No seats to wear
- No spring to break

Non-slam quick-closure feature

- Minimum travel of valve plates from fully open to fully closed position reduces closing time
- Elimination of spring restricts slamming action

Tight shut-off feature

- Flexible elastomer provides complete seal
- Seals tightly at extremely low backpressure

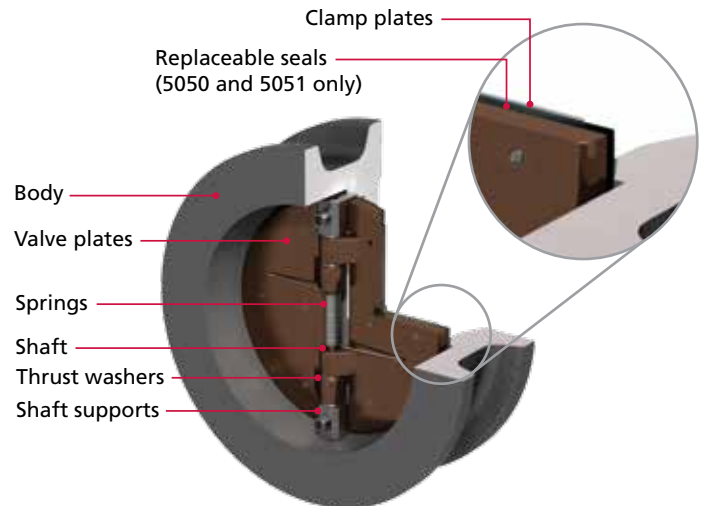
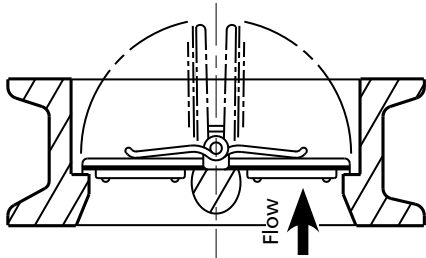
Standard Materials and Configuration

Body	Internals	Elastomer Materials		Body Configuration
		Materials	Temperature Range*	
Aluminum	Aluminum	Buna-N	-60° F to 225° F (-51° C to 107° C)	Male Threaded Ends
Brass	Brass	EPDM	-40° F to 225° F (-40° C to 107° C)	Female Threaded Ends
Cast Iron	316 Stainless Steel	Viton®	-20° F to 400° F (-29° C to 204° C)	Plain Ends
Carbon Steel		Silicone	-100° F to 500° F (-73° C to 260° C)	Grooved Ends
316 Stainless Steel				Flanged Ends
				Wafer Style

* Temperature range is for general guidance. The figures may vary with application and body/internal materials. Consult Cameron for materials, sizes and pressure ratings not shown as standard.

METAL-HINGED DESIGN

The ease of maintenance, exceptional flow characteristics and increased safety by elimination of body leakage allows this check valve to be a valve of choice industrywide.



Standard Models and Materials of Construction

Style	Body	Valve Plates	Seals	Springs	Trim*	ASME Class
5050	Cast Iron	Bronze	EPDM	316 Stainless Steel	316 Stainless Steel	125
5051	Carbon Steel	Carbon Steel ++	Buna-N	316 Stainless Steel	316 Stainless Steel	150
5051-316	316 Stainless Steel	316 Stainless Steel	Buna-N	316 Stainless Steel	316 Stainless Steel	150
5053	Carbon Steel	Carbon Steel ++	Buna-N	316 Stainless Steel	316 Stainless Steel	300
5053-316	316 Stainless Steel	316 Stainless Steel	Buna-N	316 Stainless Steel	316 Stainless Steel	300
5056	Carbon Steel	Carbon Steel ++	Buna-N	316 Stainless Steel	316 Stainless Steel	600
5056-316	316 Stainless Steel	316 Stainless Steel	Buna-N	316 Stainless Steel	316 Stainless Steel	600

* Trim items include shaft supports, clamp plates and fasteners. Teflon® thrust washers are standard through 12" size.
 ++ 316 stainless steel valve plates are standard on 2" to 6" sizes.

Spring Data	
Materials	Temperature Range**
Inconel® 600	to 750° F (399° C)
Inconel X-750	to 1000° F (538° C)
Seal Data	
Materials	Temperature Range**
Buna-N	-60° F to 225° F (-51° C to 107° C)
EPDM	-40° F to 300° F (-40° C to 149° C)
Viton	-20° F to 400° F (-29° C to 204° C)
Teflon	-20° F to 450° F (-29° C to 232° C)
Silicone	-90° F to 500° F (-68° C to 260° C)
Metal-to-Metal +	-400° F to 1000° F (-240° C to 538° C)

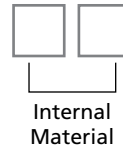
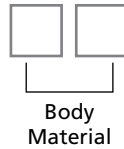
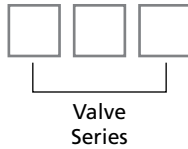
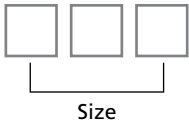


** This temperature is for general guidance. The figures may vary with application and body/internal materials.
 + 316 stainless steel thrust washers are standard with metal-to-metal seal option.



HOW TO ORDER

Size	Valve Series	Body Material	Internal Material
1.0 = 1"	DPW = Dual-Plate Wafer Check, ASME Rated 5050, 5051, 5053, 5056	AL = Aluminum	AL = Aluminum
1.3 = 1-1/4"		BR = Brass 5002 only	BR = Brass 5002 Only
1.5 = 1-1/2"	EHF = Elastomer-Hinged Flanged 5003, 5004, 5102, 5107	CI = Cast Iron	BZ = Bronze (DPW)
2.0 = 2"		CS = Carbon Steel	CS = Carbon Steel
2.5 = 2-1/2"	EHW = Elastomer-Hinged Short-Form Wafer 5118, 5296, 5355, 5412	WC = Cast Steel, A216 Grade WCB	WC = Cast Steel, A216 Grade WCB
3.0 = 3"		36 = 316 Stainless Steel	36 = 316 Stainless Steel
4.0 = 4"	EHL = Elastomer-Hinged Short-Form Lug (5463) 5463-300		XX = Other**
5.0 = 5"	EHT = Elastomer-Hinged Threaded Valve (5002)		
6.0 = 6"	EHV = Elastomer-Hinged Victaulic®-Grooved Valve (5103)		
8.0 = 8"			
10.0 = 10"	EHP = Elastomer-Hinged Plain End Valve (5104)		
12.0 = 12"			
Through			
72.0 = 72"			
XXX = Other**			



SAMPLE:

6 . 0

E H T

C S

A L

HOW TO ORDER

Seal Material
B = Buna-N
U = EPDM
M = Metal (Metal-Hinged Valves Only)
S = Silicone
T = Teflon (Metal-Hinged Valves Only)
V = Viton A
XX = Other**

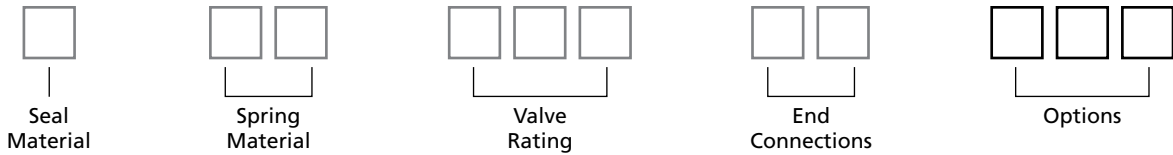
Spring Material
32 = 302 SS
36 = 316 SS
60 = Inconel 600
75 = Inconel X-750
NS = No Spring
XX = Other**

Valve Rating
A12 = ASME 125
A15 = ASME 150
A60 = ASME 600
030 = 30 psi-cwp
050 = 50 psi-cwp
100 = 100 psi-cwp
125 = 125 psi-cwp
150 = 150 psi-cwp
300 = 300 psi-cwp
450 = 450 psi-cwp
XXX = Other**

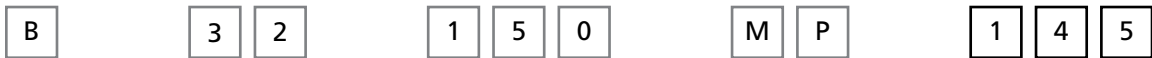
End Connections
RF = Raised Face
FF = Flat Face
MP = Male Threaded Ends
FP = Female Threaded Ends
VC = Victaulic Grooved
PE = Plain Ends
XX = Other**

Options*
Consult Cameron for options such as:
Epoxy Coat
Drain Holes
Bypass Holes
Special Ports
Special Paint
Fasteners
Etc.

- * Cameron assigns option suffix numbers to identify special valves. Once an option number is assigned to specify the special valve, that number can then be used to reorder an identical valve. Consult Cameron for options.
- ** Other: "X", "XX" or "XXX" indicates a choice other than standards shown.
Note: Certain combinations are not available.



SAMPLE:



Registered Trademark	Owner
Inconel	INCO Nickel Sales, Inc.
Teflon	E.I. DuPont De Nemours & Company
Viton	E.I. DuPont De Nemours & Company