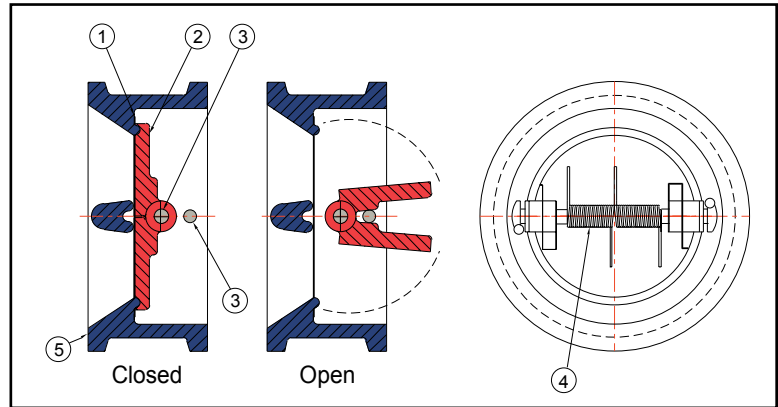


Retainerless Check Valves - FE Series

Standard Materials of Construction Body and Plate Castings

- ASTM A216 Grade WCB
Carbon Steel
(0.22% Carbon Max.)
- ASTM A217 Grade CA15
410 Stainless Steel
- ASTM A351 Grade CF8M
316 Stainless Steel
- BS 1400 Grade AB2
Aluminum Bronze
(ASME 150 and 300 Series)

Other materials are available on request.



Construction	
Item	Description
1	Seat / Seal
2	Discs
3	Shaft
4	Torsion Spring
5	Cast Body

Spring Selection

Springs	Maximum Operating Temperature
316 Stainless Steel	248°F (120°C)
Inconel 600	600°F (315°C)
Inconel X 750	1000°F (537°C)

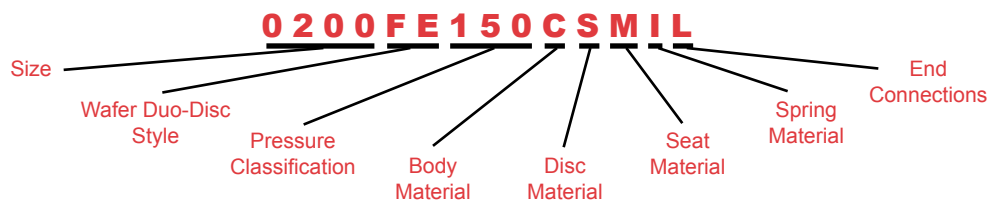
For temperatures up to 600°F (315°C), Inconel springs will be furnished as standard on all valves that are ordered with metal and Viton seats.

For service conditions above 600°F (315°C), Inconel X springs should be specified.

Refer to ordering information for Seal selection.

Ordering Information / Figure Number

Example:



Pressure Classification						
Code	150	300	600	900	1500	2500
ASME	150	300	600	900	1500	2500

Spring Material		
Code	Material	Max. Temp. °F
I	316 Stainless Steel	248
X	Inconel 600	600
S	Inconel X 750	1000

Body and Flapper Materials		
Code	Material	Specification
C	Carbon Steel	ASTM A216 Grade WCB
S	Stainless Steel	ASTM A351 Grade CF8M

Seat Material	
Code	Material
M	Metal
V	Viton

End Connections	
Code	Connection
R	Serrated Gasket Finish
L	Lug 2" - 10"
F	Flanged 12" - 24"