

GRE COMPOSITES FOOT VALVE

● Axial guided disc ● Inclined seat

2 1/2" - 16"



Composites prolong life

No mineral build-up and rust, major factors in foot valve failure

Descriptions

GRE composites foot valves are installed on the pump suction to prevent the pump column from draining upon pump shut down. The valve has a long back axial guide for reduced displacement with a synthetic rubber seal ring providing a drip-tight seal. **Unique inclined seat design reduces accumulation of debris on the seat area.** The globe type-full port body design plus light weight composites disc offer lower headloss and power consumption for the system. The main parts are made from composites material, spring and screen are made from stainless steel, making GRE composites foot valve an excellent corrosion resistant pipeline equipment for water services.

Design Specifications

- Flange with raised face, drilled according to ANSI 125/150, DIN PN10/16 or JIS 10K flanges
- Maximum working pressure
 - 2 1/2"-8" : 90 psi
 - 10"-16" : 60 psi
- Maximum working temperature : 60° C
- Maximum intermittent temperature : 90° C
- Inspection and testing per GRE standard :-
 - 100% hydrostatically shell tested at 1.5 x max. working pressure
 - 100% sealing tested with water at 3.5 meters water column (5 psi)

Design Features

- Composites material provides excellent **corrosion resistance.**
- Light weight composites disc provides **lower headloss.**
- Light weight construction provides **easy installation,** especially in large size.
- Synthetic rubber seal ring provides **tight sealing** capability.
- Unique Inclined seat design **reduces debris on valve's seat.**
- Screen and fasteners are AISI 304 stainless steel as standard.

How to order

In order to maximize compatibility of the valve with your specific application, it is recommended to specify type of liquid and piping system requirement. For GRE composites foot valve selection, please use our check list form or contact our customer service department.

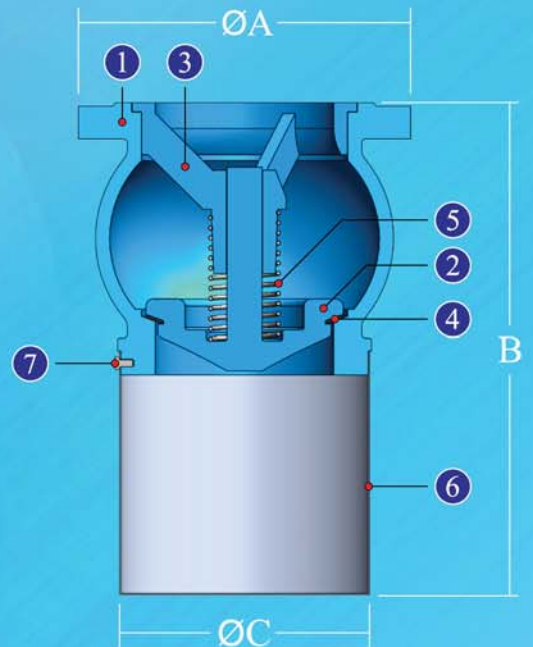
FIRST INTRODUCED IN 2003

Dimensions and Weights

Nominal size		A	B	C	kg
inch	mm	mm	mm	mm	
2 1/2	65	178	187	108	1.7
3	80	191	245	124	2.2
4	100	229	295	158	3.5
5	125	254	342	188	5.4
6	150	279	413	211	7.5
8	200	343	459	346	15.0
10	250	406	664	346	24.5
12	300	482	695	485	35.0
14	350	533	946	485	45.0
16	400	597	1064	485	65.0

Larger size available upon request

The figures are given for information and can be modified due to product development without prior notice.



Materials of Construction

Part No.	Description	Material
1	Body	Composites
2	Integral Disc & Stem	Composites
3	Guide	Composites
4	Seal Ring	NBR
5	Spring	AISI 304 Stainless Steel
6	Screen	AISI 304 Stainless Steel
7	Bolting	AISI 304 Stainless Steel