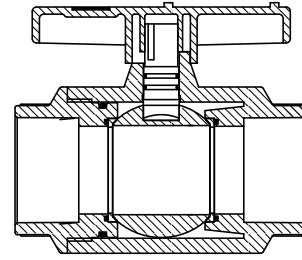


# VE Series

## Two Piece Ball Valve

**Material:** PVC  
**Size:** 2½" - 4"  
**Pressure Rating:** 150 psi  
**Seats:** PTFE or EPDM  
**Seals:** EPDM  
**Connections:** IPS Socket  
                   NPT Threaded



**ISO 9002 CERTIFIED**

## Engineering Guide Specification

### Design Specifications:

**PVC:** Class 12454B per ASTM D1784  
**Seats:** EPDM  
**Seals:** EPDM

**Guide Specification:** All Two piece ball valves constructed of the materials indicated. Valve shall be two piece construction wherein the body is injection molded single entry, and the ball is contained by a molded carrier. Valve shall be full port, as manufactured by SIMTECH.

## Special Features

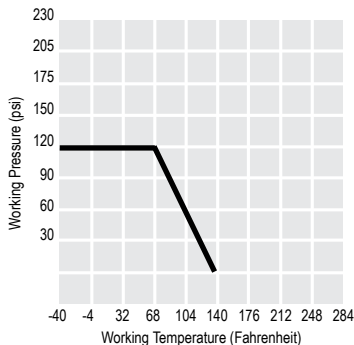
- Ideal for spas, swimming pools, water wells, irrigation etc.
- Excellent flow characteristics
- Severe shock-loads and misalignment are absorbed by the valve body, not the ball and seat—minimizes uneven wear and leakage
- Excellent low torque design
- Double O-Ring Seal on Stem

## Flow Rate in Gallons Per Minute

ND	2½	3	4
<b>Bore Size</b>	2.56	3.15	4.00
<b>C<sub>v</sub></b>	367.5	497	720

*C<sub>v</sub> is the number of gallons per minute of water at a temperature of 68°F that will flow through a valve with a 1 psi pressure differential at a specified travel.*

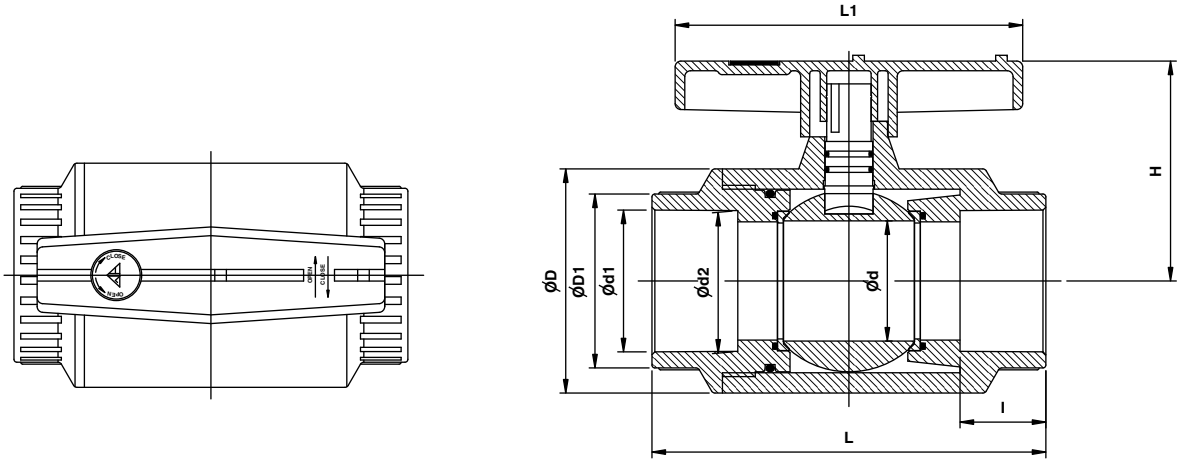
## Pressure/Temperature Graph: Working PSI/Fahrenheit



# VE Series

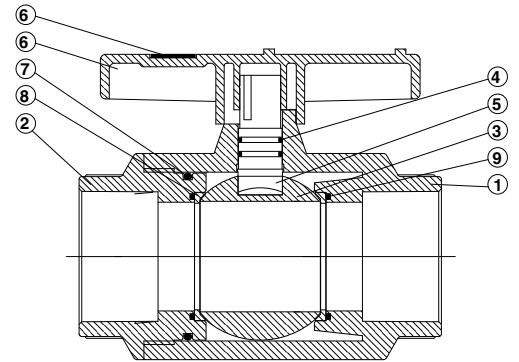
## Dimensional Data

d Inches	D	D1	d	L	L1	H	d1	d2	l
2½	4.53	2.74	2.72	7.87	6.30	4.57	2.89	2.86	1.75
3	5.30	4.20	3.19	8.96	8.82	4.98	2.73	2.63	1.88
4	7.48	5.65	3.90	11.81	10.91	6.93	4.52	4.49	2.25



## Parts Listing

1. Body
2. Body Cap
3. Ball
4. Stem O-Ring
5. Stem
6. Handle
7. Union O-Ring
8. Seat Seal
9. Seat Seal O-Ring



## Pressure Loss—Flow Diagram

