



## Low Cost QIC2™ Ball Valves

1/2" to 2" - PVC



### Features

- Rated at a Full 150 PSI
- PTFE Seats
- EPDM Seals
- No Internal Parts to Replace
- Easy 1/4-Turn Operation
- Perfect for OEM Applications
- Socket or Threaded Pipe Connections

### Rugged, Compact Design

Hayward's rugged, low cost QIC2 all-plastic PVC ball valves incorporate many design features found only on higher cost ball valves. Features such as Teflon® seats, full porting and a 150 PSI pressure rating are all standard on every size of QIC2 ball valve.

### Cost-Sensitive Applications

The QIC2 ball valve is perfect for OEM and other applications that require a reliable ball valve at an economical price. The QIC2 valve has been designed and tested to make certain it will perform year in and year out in the most demanding applications without leakage or failure. The internal components of a QIC2 valve are completely encapsulated within the valve body in a one-step manufacturing process. There is absolutely no danger of leakage through assembled parts. This also means that the valve never requires adjustment since all internal components are sealed inside the one-piece valve body. The QIC2 valve is ready to be put into service right out of the box.

### Lightweight and Compact

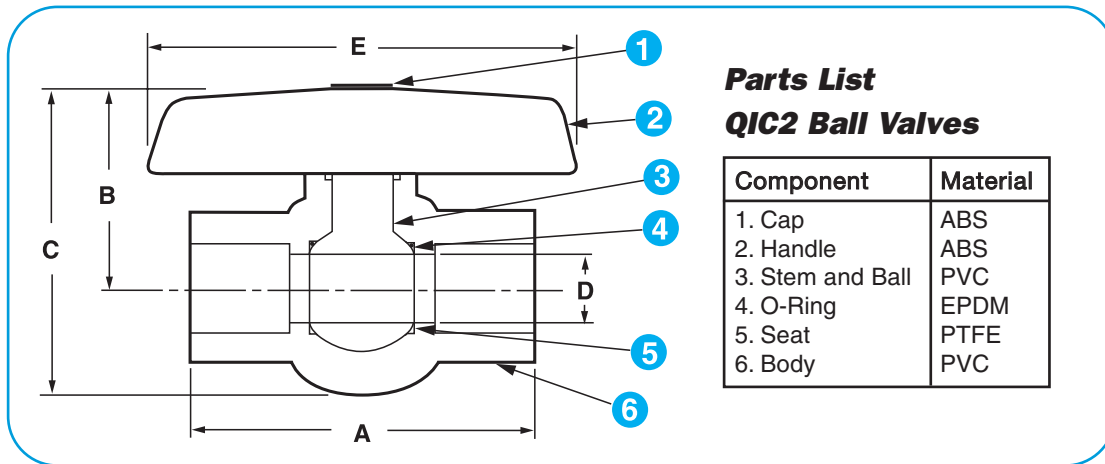
QIC2 low cost ball valves are designed to fit into spaces too small for other valves. They are about 1/3 the overall size of a plastic true union valve and they weigh an average of 50% less. This makes them ideal for skid-mounted and other applications where space and weight are critical considerations.

### Can't Rust, Won't Corrode

Their all-plastic construction means they will never fail, stick, or jam because of rusted or corroded parts. And they'll work in places and environments where metal valves must be painted or coated just to survive.



## Technical Information



### Parts List QIC2 Ball Valves

Component	Material
1. Cap	ABS
2. Handle	ABS
3. Stem and Ball	PVC
4. O-Ring	EPDM
5. Seat	PTFE
6. Body	PVC

### Dimensions - Inches / Millimeters

Size	A	B	C	D	E	Weight (lb/kg)
1/2"	3.10 / 79	1.61 / 40.9	2.58 / 65.5	0.591 / 15	2.83 / 72	0.22 / 0.10
3/4"	3.57 / 90	1.93 / 49	3.11 / 79	0.787 / 20	3.14 / 80	0.44 / 0.20
1"	4.16 / 105	2.21 / 56.1	3.46 / 87.9	0.984 / 25	3.73 / 95	0.69 / 0.31
1-1/4"	4.83 / 121	2.60 / 66	3.86 / 98	1.260 / 32	4.36 / 111	0.90 / 0.41
1 1/2"	5.09 / 127	2.85 / 72.4	4.34 / 110.2	1.535 / 39	4.63 / 118	1.19 / 0.54
2"	5.90 / 149	3.45 / 87.6	5.29 / 134.4	1.969 / 50	5.49 / 139	1.86 / 0.85

### Selection Chart

Size	Material	End Conn.	Seals	Rating
1/2" - 2"	PVC	Socket or Threaded	EPDM	150 PSI @ 70°F

### C<sub>v</sub> Factors

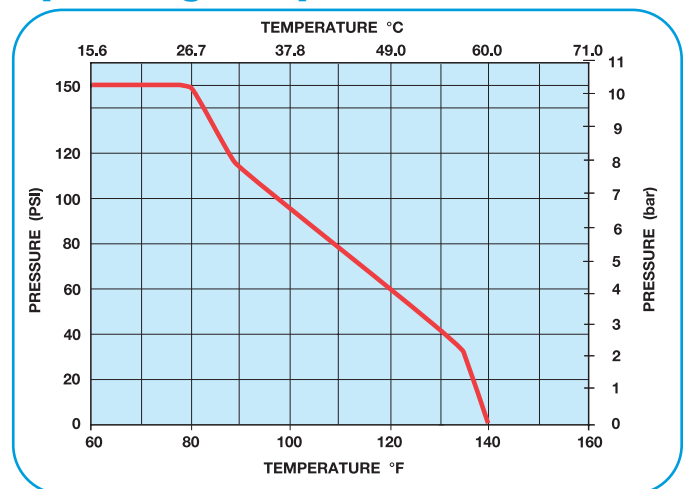
Size	Factor	Size	Factor
1/2"	8	1-1/4"	75
3/4"	16	1-1/2"	90
1"	30	2"	150

#### Pressure Loss Calculation Formula

$$\Delta P = \left[ \frac{Q}{C_v} \right]^2$$

ΔP = Pressure Drop  
Q = Flow in GPM  
C<sub>v</sub> = Flow Coefficient

### Operating Temperature/Pressure



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