

# MP Series Compact Ball Valves

## Sample Specification

### Sample Specifications

#### 1.0 Ball Valves – MP

##### 1.1 Material

- The valve body and ball shall be made of PVC compound which shall meet or exceed the requirements of cell classification 12454 according to ASTM D1784.

##### 1.2 Seats

- The ball seats shall be made of Teflon® (PTFE).

##### 1.3 Seals

- The o-ring seals shall be made of EPDM.

#### 2.0 Connections

##### 2.1 Socket style

- The IPS socket PVC end connections shall conform to the dimensional standards ASTM D2466 and ASTM D2467.

##### 2.2 Threaded style

- The female NPT threaded PVC end connections shall conform to the dimensional standards ASTM D2464, ASTM F1498, and ANSI B1.20.1.

#### 3.0 Design Features

- The valve shall be composed of a one piece PVC body.
- The end connections shall be an integral part of the body.
- All sizes shall allow for bi-directional flow.

##### 3.1 Pressure Rating

- All sizes shall be rated at 150 psi at 73°F (non-shock).

##### 3.2 Markings

- All valves shall be marked to indicate size, material designation, and manufacturers name or trade mark.

##### 3.3 Color Coding

- All PVC Schedule 40 valves shall be color-coded white.
- All PVC Schedule 80 valves shall be color-coded dark gray.

- 4.0** All valves shall be Xirtec® PVC by IPEX or approved equal.

### Valve Selection

Size (inches)	Body Material	O-ring Material	IPEX Part Number		Pressure Rating
			IPS Socket	FNPT Threaded	
1/2	Sch 40 PVC	EPDM	052277	052283	150 psi
	Sch 80 PVC		052000	052026	
3/4	Sch 40 PVC		052278	052284	
	Sch 80 PVC		052006	052029	
1	Sch 40 PVC		052279	052285	
	Sch 80 PVC		052007	052107	
1-1/4	Sch 40 PVC		052280	052286	
	Sch 80 PVC		052009	052108	
1-1/2	Sch 40 PVC		052281	052287	
	Sch 80 PVC		052019	052109	
2	Sch 40 PVC		052282	052288	
	Sch 80 PVC		052024	052144	

#### Body Material:

- Sch 40 white PVC
- Sch 80 grey PVC

#### Size (inches):

- 1/2
- 3/4
- 1
- 1-1/4
- 1-1/2
- 2

#### End Connections:

- Socket (IPS)
- Threaded (FNPT)

#### IPEX Part Number:

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