

Cast Iron Ball Check Valve



PRODUCT OVERVIEW

Body material:	Ductile cast iron QT450-10
Size range:	DN40 ~ 200mm
Pressure rating:	1.6MPa
Operating temperature:	-10 ~ 80°C
End connection:	Flanged
Applicable medium:	Water, Sewage
Mode of operation:	Manual
Applicable industry:	Water & Water treatment, Power generation, Pulp & Paper, Municipal, Heating & Ventilation
Design & Manufacture:	API, ASME, ASTM, ANSI, BS, DIN, JIS, ISO, GB

DESIGN FEATURES

1. It has small size, light weight and simple structure with fewer components than conventional check valves, thus it is lighter.
2. The valve clack closes quickly, so the water hammer pressure is small.
3. Both horizontal and vertical pipes can be used, so it is easy to install.
3. The flow channel is unobstructed and the fluid resistance is small.
4. It acts quickly and has good sealing performance.
5. The valve clack stroke is short, and the valve closing impact is small.
6. The overall structure is simple and compact with beautiful appearance
7. It has long service life and high reliability.

VALVE MATERIAL LIST

Part Name	Material Name
Valve body	Ductile cast Iron QT450-10
Bonnet	Ductile cast Iron QT450-10
Globe	Low carbon steel, sand, NBR
Medium-caliber gasket	NBR
Flat washer	201
Bolt	201

TECHNICAL SPECIFICATIONS

Model	DN	L	D	D ₁	D ₂	b-f	z-Φd	D _n	D _{n1}
HQ41X-16Q	40	203	150	110	84	19-3	4-Φ19	50	48
	50	203	165	125	99	19-3	4-Φ19	50	48
	65	216	185	145	118	19-3	4-Φ19	65	60
	80	241	200	160	132	20-3	8-Φ19	80	72
	100	292	220	180	156	22-3	8-Φ19	100	90
	125	330	250	210	184	23-3	8-Φ19	125	113
	150	356	285	240	211	23-3	8-Φ23	150	135
	200	495	340	295	266	25-3	12-Φ23	200	180

