

Check Valves

Tilting Disc Check Valves

DN (mm):	40 - 900	▪ Robust design ▪ Metal sealing ▪ Eccentric design ▪ Quick closing reaction due to oblique sealing ▪ Short face-to-face dimension ▪ Also suitable for low differential pressures
PN (bar):	10 - 40	
Temperature (°C):	up to +400	
Body materials:	1.4408, special materials	
Seat materials:	Metal	
Connections:	Wafer	

Options:	Auxiliary spring, counterweight, hydraulic damping device
Applications:	White water, pulp < 5%, sludge, wastewater treatment plants, food and beverage, water, steam, gas, air
Approvals:	ATEX (on request)



Wafer Swing Check Valves

DN (mm):	50 - 1000	▪ Cast disc with opening limit ▪ Tight-closing already in case of low pressure difference by additional spring (DN50-200) ▪ Ring screw for mounting (standard) ▪ Centering by outer diameter of body ▪ Short weight-saving overall length
PN (bar) / ANSI:	10 - 16 / CL 150	
Body materials:	1.0619, 1.4408, 1.4404, bronze, duplex, super duplex, PP, PTFE + 25% glass	
Seat materials:	Metal, NBR, EPDM, Viton®, PTFE	

Applications:	Liquids, gases, steams
Approvals:	AD2000 W0, FDA (on request), ATEX



Dual Plate Check Valves

DN (mm):	50 - 1000	▪ Eccentric disc for low zeta values and a minimum of pressure drop ▪ Equipped with special springs for minimal opening pressures and short closing times ▪ Favorable for hydraulic installations ▪ Available in API overall lengths and according to ASTM materials
PN (bar) / ANSI:	10 - 100 / CL 150 - 600	
Body materials:	1.4301, 1.0038, 2.1090, 1.4404	
Seat materials:	Metal, NBR, EPDM, Viton®, PTFE	

Applications:	Liquids, gases, steams
Approvals:	AD2000 W0, FDA (on request), ATEX



ANSI Forged Piston Check Valves (JC Valves)

DN (inch):	1/2" - 2"	▪ Bolted bonnet ▪ Straight pattern ▪ Testing acc. API 598
ANSI:	CL 150 - 2500	
Body materials:	A105, F316, LF2, other materials on request	
Connections:	Flanged, socket weld ends, butt weld ends, threaded	
Design standards:	ASME B16.34 / API602	
Options:	Y-type, oil- and grease-free, welded bonnet	
Applications:	Water, oil, gas, chemicals, steam	
Approvals:	ATEX, TA Luft, NACE, AD2000 W0/A4	

JC
VALVES



ANSI Swing Check Valves (JC Valves)

DN (inch):	2" - 40"	▪ Straight through ▪ Bolted bonnet design CL 150 - 2500 ▪ Pressure seal design CL 900 - 2500
ANSI:	CL 150 - 4500	
Body materials:	Cast body materials A216 WCB, A352 LCB, A351 CF8M, other materials on request Forged body executions on request	
Connections:	Flanged, socket weld ends, butt weld ends	
Design standards:	ASME B16.34	
Options:	Oil- and grease-free, ASTM body/bonnet material	
Applications:	Water, oil, gas, chemicals, low pressure steam	
Approvals:	ATEX on request, TA Luft on request, AD2000 A4/W5 on request	

JC
VALVES



DIN Piston Check and Piston Closing Check Valves

DN (mm):	15 - 200	▪ Different design options available (with spring, without spring, check closing, check closing without spring)
PN (bar):	16 - 40	
Temperature (°C):	-10 up to +400	
Body materials:	1.0619 (Type ZV226/ZV227) / 1.4581 (Type ZV236/ZV237), LCB, other materials on request	
Plug/seat		
Type ZV226/236:	In stainless steel	
Plug/seat	In hard overlay execution	
Type ZV227/237:	(CrNiMoTi / CrNiMn, CrNiMoTi / Stellite 6, Stellite 6 / Stellite 6, 13Cr / Stellite 6)	
Connections:	Flanged	
Design standards:	DIN	
Options:	Lever and weight	
Applications:	Water, oil, gas, chemicals, steam	
Approvals:	ATEX, TA Luft, NACE, AD2000 W0/A4	

