

TECHNICAL COMPARISON CHART

	'NORMEX' MAKE BALL TYPE NON-RETURN VALVE (MODEL: B-01)		WAFER CHECK VALVES
1)	Latest design Ball Check Valves with internals designed to offer full bore flow of fluid	1)	A compact valve but the bore diameter of valve is less than nominal diameter (e.g. for 100mm valves, opening is 71mm in WCV). Thus acts as orifice.
2)	Internals designed in such a way that laminar flow is not disturbed to a large extent.	2)	Turbulence is generated in fluid flow due to design limitations.
3)	As pump starts, ball rolls up to the cover side giving full opening.	3)	As the pumps starts, the flap opens till the sides touches the pipe interior giving opening less than the bore (which itself is less than nominal bore)
4)	Very low pressure drop across the valve. Therefore ENERGY SAVING, lower pumping time / higher flow.	4)	Due to orifice like design & small bore very high pressure drop across the valve. highly uneconomical in long run. A waste of power energy and time.
5)	Valve is operated by a free flowing rubber coated ball. So no problem of pin breakage, clogging etc.	5)	Closing mechanism involves hinge - pin - disc. Call for frequent maintainance prone to clogging.
6)	For any reason of maintainance/check up valves need not be removed from the pipe line. The cover side can be opened and the valve is ready for check up. So very less down time.	6)	For maintainance/check up, valve has to be removed from pipe line. So more of down time. If maintainance to take long time, a spare valve is required to start pumping.
7)	Can be lined internally with rubber / FRP for corrosive and erosive applications. then metal parts donot come in contact with fluids.	7)	No such possibility. So for these applications, special metallurgy to be used increasing the price of valve.
8)	Strong & robust construction.	8)	Weak sections of parts.
9)	No chattering noise.	9)	Chattering does occur.

* For more details please refer product literature