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nOrmex VALVES PVT. LTD.

TECHNICAL COMPARISON CHART

	'NORMEX' MAKE BALL TYPE NON-RETURN VALVE (MODEL: B-01)		CONVENTIONAL FLAP CHECK VALVES
1)	Innovative Patented Design developed with focused research on check valves.	1)	Year's old standard design with no efforts made on design developments.
2)	Internals designed in such a way that laminar flow is not disturbed to a large extent.	2)	Turbulance is generated in fluid flow due to design limitations.
3)	Very low pressure drop across the valve. Therefore ENERGY SAVING, lower pumping time / higher flow.	3)	Comparitively higher pressure losses. Highly un-economical in long run.
4)	Valves is operated by a free flowing rubber coated ball. So no problem of pin breakage, clogging etc.	4)	Closing mechanism involves hinge - pin - disc. Call for frequent maintainance prone to clogging.
5)	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.	5)	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.
6)	Can be lined internally with rubber / FRP for corrosive and erosive applications. then metal parts donot come in contact with fluids.	6)	No such possibility. So for these applications, special metallurgy to be used increasing the price of valve.
7)	Can be installed in HORIZONTAL as well as VERTICAL position.	7)	Generally recommended for HORIZONTAL installations only.
8)	Material used is of grade FG 260 having higher tensile strength (26 N/mm2)	8)	Material recommended is FG 200 having lower tensile strength (20 N/mm2)

* For more details please refer product literature