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TECHNICAL COMPARISON CHART

	'NORMEX' MAKE HYDRO DYNAMIC GUIDED CLOSING NON-RETURN VALVE (MODEL: H-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)	Turbulence 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)	Closing mechanism is guided by precise guide-plunger mechanism for perfect sealing.	4)	Hinge-pin-disc closing mechanism has a lot of play. So chances of leakage.
5)	Closing mechanism assisted by spring force for quick closing of valve ; thus reducing / eliminating water hammer effect	5)	No such mechanism available. So water hammer effect is maximum. This can result in damaging pumping equipments and bursting of pipe lines.
6)	Compact space saving design. Reduced face to face length. Less in weight. Easy handling.	6)	Standard full length of valve. Higher in weight.
7)	Can be installed in HORIZONTAL as well as VERTICAL position.	7)	Generally recommended for HORIZONTAL installations only.
8)	HGC valves are symmetrical in shape on any plane. So no top size and bottom side limitations. Easy for installtion.	8)	Cover side is always on top for installations.
9)	Material used is of grade FG 260 having higher tensile strength (26 N/mm ²)	9)	Material recommended is FG 200 having lower tensile strength (20 N/mm ²)

* For more details please refer product literature