

VESS Non Slam Check Valve is used as protection against reverse flow when power failure in areas where noise pollution or water hammering is a critical issue . It can provide not only quiet performance but also low head loss.



Features

- Advanced dynamic design of single body with diffuser provides streamline flow and assures lower head loss .
- Coated with powder epoxy both inside & outside for corrosion resistance .
- Brass / PTFE bushing reduce wearing problem during operation .
- Hydrodynamic design with spring ensures non slamming and water hammerless .
- Stainless steel spring hidden in the diffuser under protection while valve in operation .
- Disc will positively close before reverse flow , and maximize the closing speed up to 0.2 Sec.
- Installation can be vertical / horizontal / inclined .

Pressure & Temperature

Pressure Rating	16 bar
Hydraulic Shell Test Pressure	24 bar
Hydraulic Seat Test Pressure	17.6 bar
Working Temperature	- 10°C ~ 80°C
Suitable Medium	Raw water



Technical Data

Size Range	DN 50mm ~ DN 300mm
Manufacturing Standard	EN 13445 / EN 12334
Flange Standard	BS EN 1092-2

Service Fields

Mainly used for clean water , precleaned sewage water , Fire - fighting , Irrigation , Cooling and HVAC System .

Head Loss Chart

Fluid : water (1m H₂O = 0.098bar)

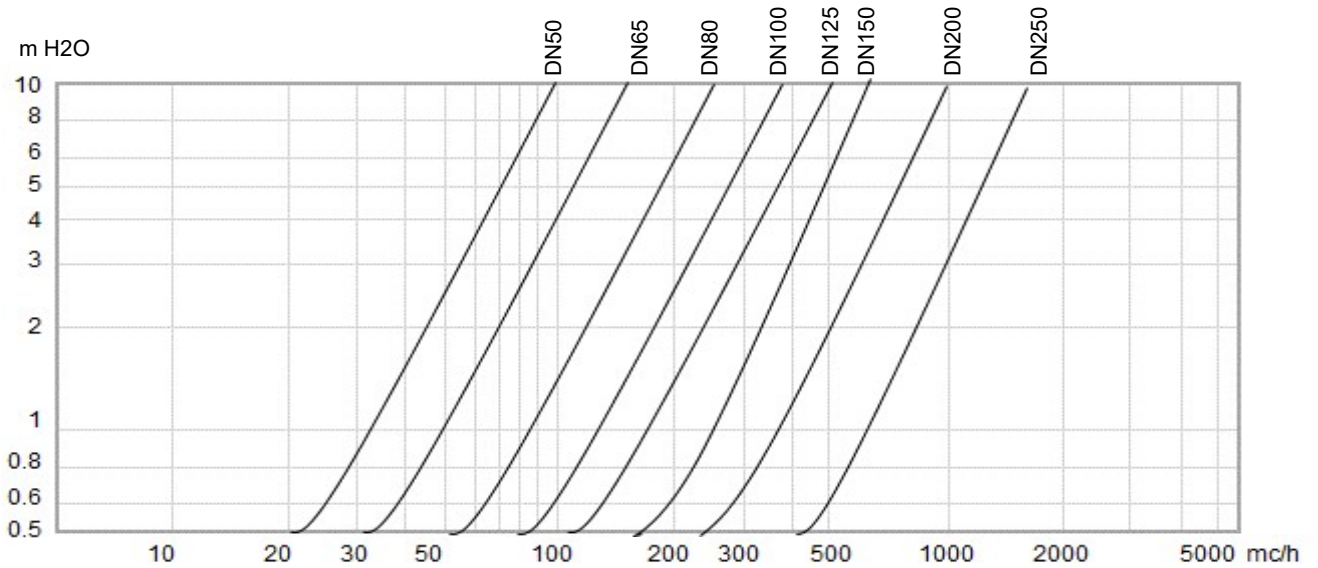


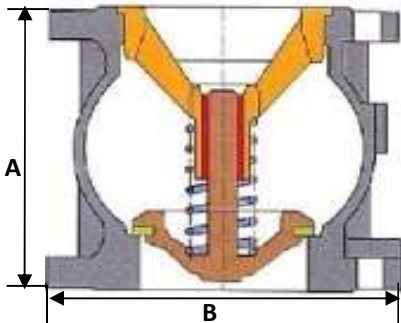
Tabella Kv-DN

Size (DN)	Kv (m ³ /h)
50	99
65	145
80	258
100	360
125	516
150	620
200	985
250	1620

Material Specification

Component	Material	Specification
Body	Cast Iron /	EN GJL 250 /
	Ductile Iron	EN GJS 500-7
Guide	Ductile Iron	EN GJS 500-7
Closing System	Bronze /	CA 103 /
	Ductile Iron	EN GJS 500-7
Guiding Stem	Bronze /	CA 103 /
Spring	Ductile Iron	EN GJs 500-7
	Stainless Steel	304S31
Seal	Rubber	NBR / EDPM
Bushing	Brass /	CZ 122 /
	Teflon	PTFE

Note : Other flange types available , specify on order.



Dimensions - Millimetres

Size (DN)	50	65	80	100	125	150	200	250	300
A	100	120	140	170	200	230	300	370	410
B	165	185	200	220	250	285	340	405	460

* We reserve the right to alter specifications or dimensions without prior notice.

Distributed By :



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