



## ICV SILENT CHECK VALVE, PN25, FLANGED

903/00

DN65-400, epoxy coated, ductile iron, metal seated

001

Series 903 metal seated silent check valves are designed to prevent back flow in high temperature range pumping applications. The valve element movement is controlled via a central guide where a centrally mounted spring together with the short movement aids the quick closing that is essential in reducing shock associated with valve closure. The pumped media can be water, glycol or other clean, neutral liquids.

### Product Description:

Flanged silent check valve for water, and water with glycol from -10° C to 110° C

### Standards:

- Designed according to EN 12334
- Face to face according to MSS SP-125 short globe
- Standard flange drilling to EN1092-2 (ISO 7005-2), PN 25

### Test/Approvals:

- Experimental shell design strength according to EN12516-3
- Test according to EN12266

### Features:

- The combination of light disc, short stroke distance and fast closing spring design is effectively mitigating slamming
- Streamlined contour for low head loss
- The special seat design ensures quick and easy trim replacement
- Fusion bonded epoxy coating on both external and internal surfaces
- Metal seat for durability and high temperature tolerance
- Up to and including DN200, the design makes it possible to mount a butterfly valve at the outlet side of the silent check valve, without any additional adapters. This refers to the measure reference C

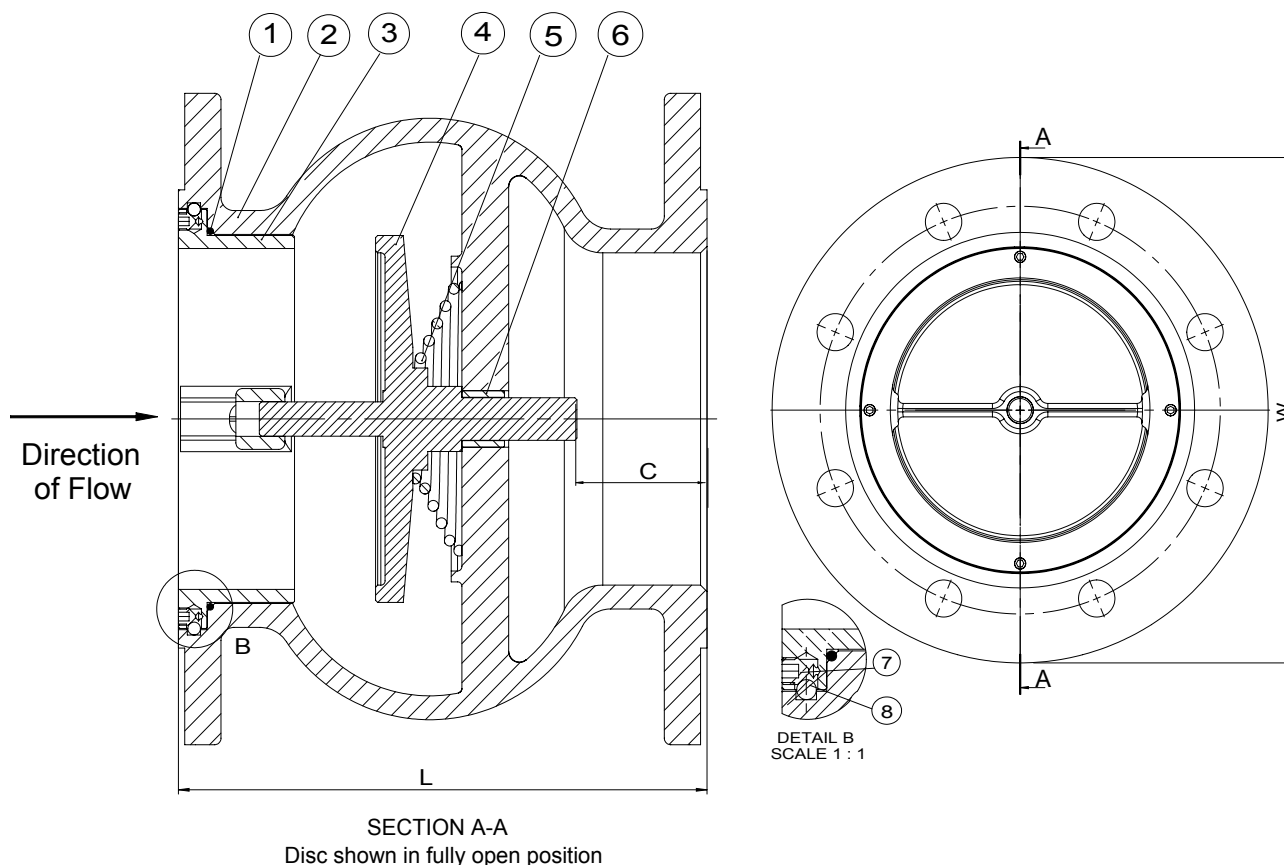


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## Component List:

1. O-ring	EPDM	2. Body	Ductile Iron EN-GJS-500-7
3. Seat	Stainless steel 1.4308	4. Disc	Stainless steel 1.4308
5. Spring	Stainless steel 1.4301	6. Bush	Stainless steel AISI 316
7. Set Screw	Stainless steel A2	8. Retaining Ball	Stainless steel AISI 304

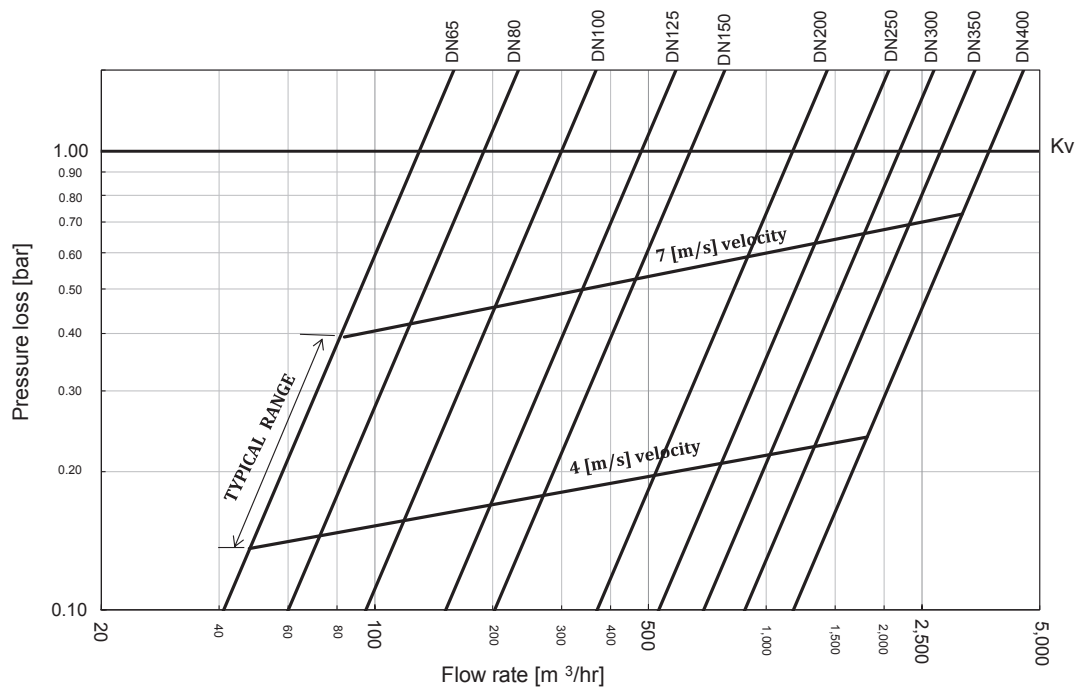
Components may be substituted with equivalent or higher class materials without prior notification.

## Reference Nos. and Dimensions:

AVK ref. nos	DN mm	Flange drilling	L mm	W mm	C mm	Kvs* m³/h	Theoretic. weight kg
903-065-00-71036 <sup>(1)</sup>	65	PN25	140	185	27.5	130	8.0
903-080-00-71036 <sup>(1)</sup>	80	PN25	152	200	35.5	190	9.0
903-100-00-71036 <sup>(1)</sup>	100	PN25	184	235	46	300	15
903-125-00-71036 <sup>(1)</sup>	125	PN25	216	270	51	480	21
903-150-00-71036 <sup>(1)</sup>	150	PN25	248	300	61	640	32
903-200-00-71036 <sup>(1)</sup>	200	PN25	317	360	84	1170	52
903-250-00-71036 <sup>(1)</sup>	250	PN25	394	440	118	1680	85
903-300-00-71036 <sup>(1)</sup>	300	PN25	362	500	16	2190	111
903-350-00-71036 <sup>(1)</sup>	350	PN25	400	580	35.5	2790	158
903-400-00-71036 <sup>(1)</sup>	400	PN25	448	635	50	3710	208

<sup>(1)</sup> \* Fully open position m³/h @ 1 bar differential pressure

Flow/Pressure Drop Chart - Silent Check Valve (Water)



These charts are based on the flow of clean water at ambient temperature 20° C.