



SWING Check Valves



ERHARD SWING Check Valve

DN 50-300, PN 10/16

Design Features

Ideal Opening Degree

The opening degree of 93 % ensures very low head loss coefficient.

Corrosion-resistant Seat Ring

The body seat ring is made of stainless chrome steel.

Self-centering Effect

The spherical trunnion provides a self-centering effect of the valve disc in the body seat, thus always ensuring tight closure.

Easy Replacement of Internal Components

Since the shaft is supported in the cover, it is easy to exchange all internal components.

Approved Protection against Corrosion

Permanent protection against corrosion is ensured by inside and outside epoxy coating **EKB**, blue to RAL 5015.

Swabbing Possible

The SWING Check Valve can be swabbed in flow direction.

Reliable Operation and Compact Design

Reliable operation, many variations, compact design, reduced number of components, low weight, small space requirement.

Protective Guard for Safety

Within the moving range of the weight-loaded arm, a transparent protective guard made of shock-resistant plastic material prevents unintentional contact with the weight-loaded lever.

Non-wetted Shaft Bearing

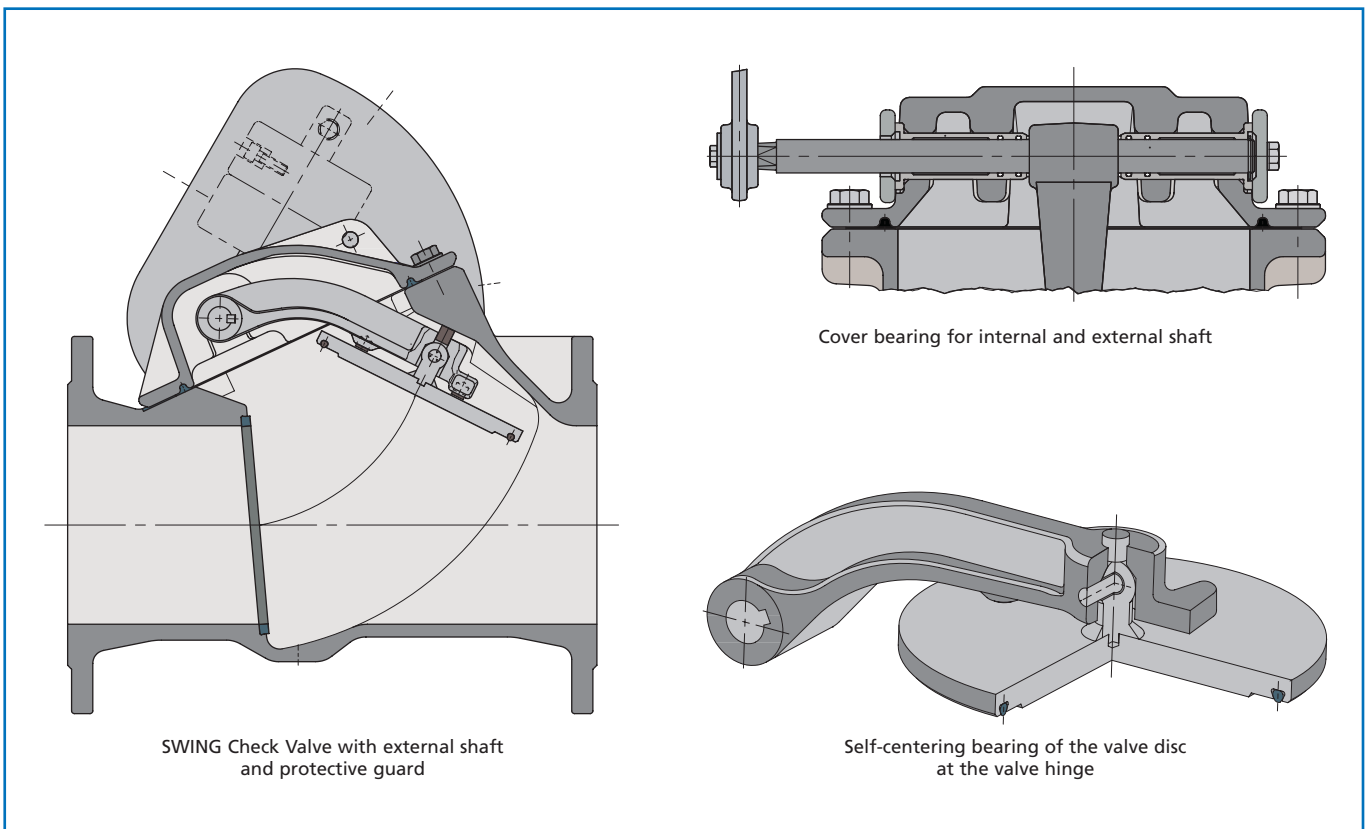
The shaft bearing located in the body cover is equipped with maintenance-free shaft sealing.

The bearing zone is protected against the flow medium maintaining permanent ease of operation.

Ease of Retrofitting

The internal shaft design can be retrofitted to protruding-shaft type, without dismantling the Check Valve.

SWING Check Valve – Thoroughly Developed Design



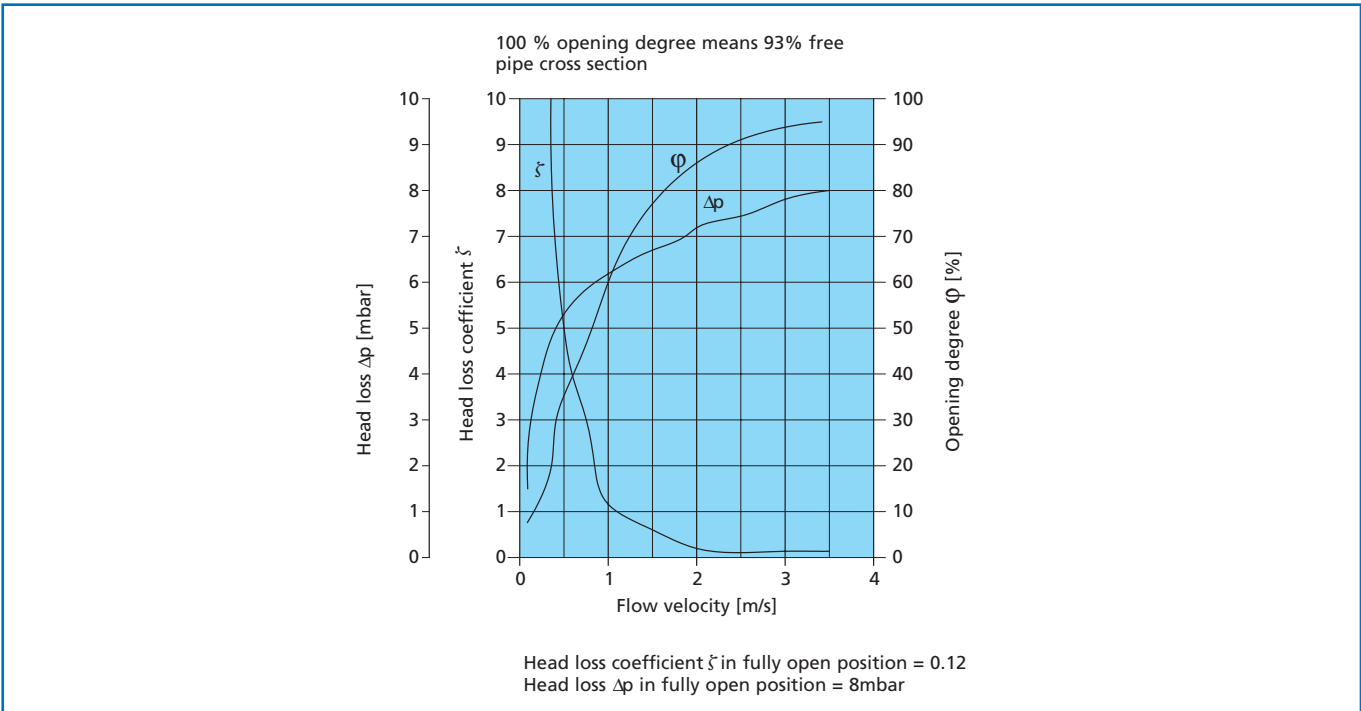
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Versatility of Operation



Energy Efficient



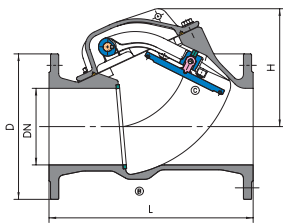
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Perfect Selection of Materials

Body components	ductile cast iron GGG-40
Internal components	stainless steel
Seals	elastomer, enclosed
Bolts	stainless steel A2
Shaft bearing	brass bushes
Protection against corrosion	internal and external: epoxy EKB blue to RAL 5015

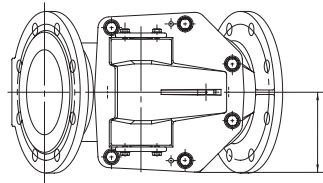
Comprehensive Scope of Supply

- Internal shaft.
- Shaft protruding on one side, with weight-loaded lever.
- Shaft protruding on both sides, with weight-loaded lever on one side or both sides.
- For all types with external shaft, a pump protecting contact is available upon request.
- Each type can be equipped with by-pass valve.
- Upon request, with protective guard made of transparent shock-resistant plastic material.



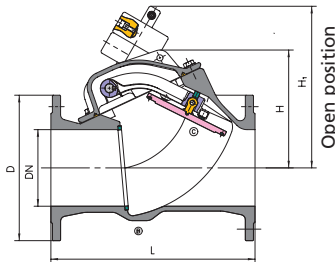
Internal shaft

Prod. No. 5610 5800 - 5620 5800



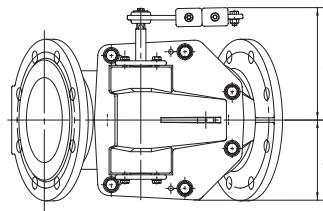
Flanges

DN 80, 200-300, C... DIN 28604, PN 10
DN 50-300, C... DIN 28605, PN 16



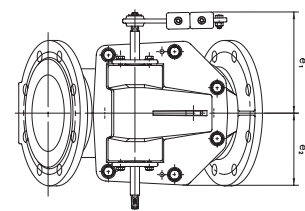
External shaft, on one side

Prod. No. 5610 5860 - 5620 5860



External shaft, on both sides

Prod. No. 5610 5860 - 5620 5860



Dimensions, Weights

Nominal size DN	Pressure rating PN	Flange dia D mm	Overall height H ¹ mm	Height H mm	Width e ² mm	Width e ¹ mm	Length L mm	Total weight, internal kg	Total weight, external kg	By-pass weight DN/kg
50	16	165	226	105	74	131	350	10	12	
65	16	185	226	105	74	131	400	12	14	
80	10/16	200	264	145	170	170	260	21	23	15/1,1
100	16	220	264	200	170	170	300	24	27	20/1,5
125	16	250	317	220	140	195	350	40	43	20/1,5
150	16	285	317	230	140	195	400	46	50	20/1,5
200	10/16	340	391	300	185	265	500	75	80	25/1,7
250	10/16	400	490	385	245	355	600	148	154	25/1,7
300	10/16	455	500	410	245	355	700	169	175	32/2,0



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