

**Application**

Self-acting valve which prevents reverse flow of the service fluid, for use with water, steam, on special request also for other non-aggressive liquids and gases for service pressures and temperatures:

Temperature [°C]	Pressure [MPa]
200	10,00
250	8,61
300	7,73

If tightness is required, it is necessary to install into pipeline also a shut-off valve, besides the check valve.

**Technical description**

The valve is intended mainly for vertical delivery pump pipelines. Closing disc fits into sealing surfaces welded in the body. The disc is seated in double guide. Top guide is inserted loose, bottom guide is a part of the body. Flow direction in the valve is from under the disc.

**Connecting and face-to-face dimensions**

Flange connecting dimensions as per ČSN 13 1060 and ČSN 13 1061, DIN 2501. Basic face-to-face and connecting dimensions are given in the table.

**Material**

Body, yoke carbon steel (42 2643, GS-C25)  
 Disc guide carbon steel  
 Disc stainless steel (13 Cr)  
 Sealing surface weld overlay 13 Cr  
 Guide sleeves ČSN 02 3499

**Testing**

The valve is tested as per ČSN 13 3060, part 2, DIN 3230.

**Installation**

The valve must be installed only into vertical pipeline with the inserted guide upwards.

**Operation**

The valve is self-acting, using the pressure of the service fluid on the disc, which closes to prevent reverse medium flow.

DN	L	D <sub>1</sub>	D <sub>2</sub>	D <sub>3</sub>	D <sub>5</sub>	a	f	f <sub>2</sub>	n	d	kg
65	180	220	170	122	110	30	3	3	8	26	19,6
80	200	230	180	133	121	32	3	3	8	26	22,9
100	230	265	210	158	150	36	3	3,5	8	30	31,8
125	280	315	250	184	176	40	3	3,5	8	33	52,0
150	330	355	290	212	204	44	3	3,5	12	33	73,0
200	450	430	360	285	260	52	3	3,5	12	36	132,0
250	480	505	430	345	313	60	3	3,5	12	39	207,0