

Double chamber air inlet - relief valve

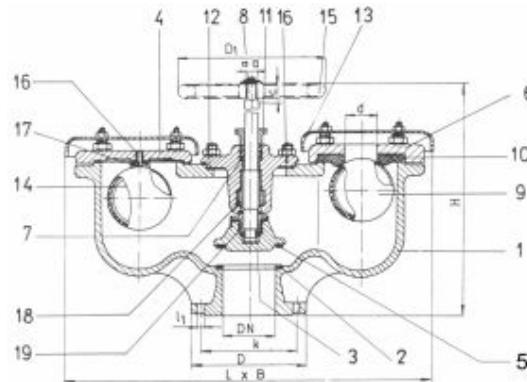
for water and drinking - water

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Application and design

The automatic air inlet - relief valve allows deare - ation during pipe line operation as well as entrance and exit of air in the course of pipe line filling and emptying, securing thereby an undisturbed pipe line operation. The functioning in self - acting on the principle of ball buoyancy and pressure difference between pipe line interior and atmosphere. The air inlet - relief vlive consists of two chambres and a shut - off valve in the center which must be continually open during operation. The left chamber is assigned for relief of large volumes of air. The air inlet - relief valve is located at the highest pipe line bend.



Dimensions														
DN	H	L	B	D	k	L1	n	a	c	D1	d	kg		
50	305	390	170	165	125	18	4	14	29	180	35	30		
80	395	600	250	200	160	18	8 (4)	17	34	225	56	65		
100	455	700	280	220	180	18	8	19	38	280	80	102		
150	560	930	400	285	240	23	8	24	42	360	110	230		
200	690	1100	500	340	295	23	8	24	42	360	165	370		

n: number of holes

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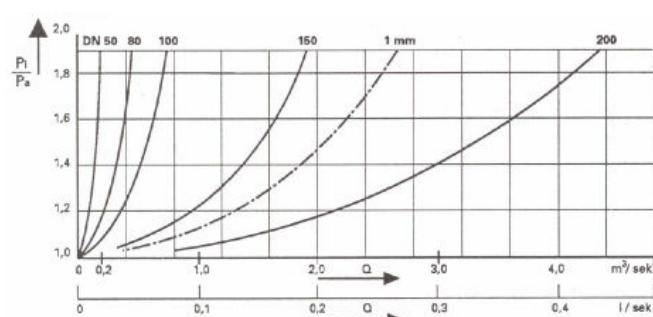
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Material specifications					
Pos.	acc. DIN	comparable to BS	Pos.	acc. DIN	comparable to BS
1	GG 25	1452 : 1956 Grade 17	11	GG 25	1452 : 1956 Grade 17
2	Cu65Zn	1400 : 1961 SCB 3C	12	Klingsersil	Klingsersil
3	GG 25	1452 : 1956 Grade 17	13	GG 25	1452 : 1956 Grade 17
4	GG 25	1452 : 1956 Grade 17	14	X15Cr13 Perburan	420 S 29 ; 970 :55 EN 3D gal Zn + Perburan
5	Cu65Zn	1400 : 1961 SCB 3C	15	GG 25	1452 : 1956 Grade 17
6	GG 25	1452 : 1956 Grade 17	16		1400 : 1961 SCB 3C
7	Graphite	Graphite	17	Perburan	Perburan
8	X15Cr13	420 S 29	18	Cu65Zn	1400 : 1961 SCB 3C
9	X15Cr13 RSt37 gal Zn + Perburan	420 S 29 ; 970 :55 EN 3D gal Zn + Perburan	19	Cu65Zn	1400 : 1961 SCB 3C
10	Perburan	Perburan			

Rating and test pressure					
DN	PN	Flanges DIN 2501	Body	Closed	max. working pressure at 80°C[bar]
50 - 200	10	10	16	10	10
50 - 200	16	16	25	16	16



————— **großer Sitz**
 - - - - - **kleine Bohrung**
 — **Pi - Innendruck**
 | **Pa - Umgebungsdruck**
 Q - Entlüftungsmenge (obere Grenze bei 1,9 bar)