



**ÖZKAN** LEAD WATER TO THE NEXT LEVEL.

member of HAWLE Austria Group





# AXIAL SILENT CHECK VALVES





# WHY?

## AXIAL SILENT CHECK VALVES

Axial Silent Check Valves are designed to meet non-slam, fast closing characteristics.

Spring loaded disc and short closing stroke provides quick respond to flow changes. Thus water hammer is minimized and non-slam, quick closing is achieved.

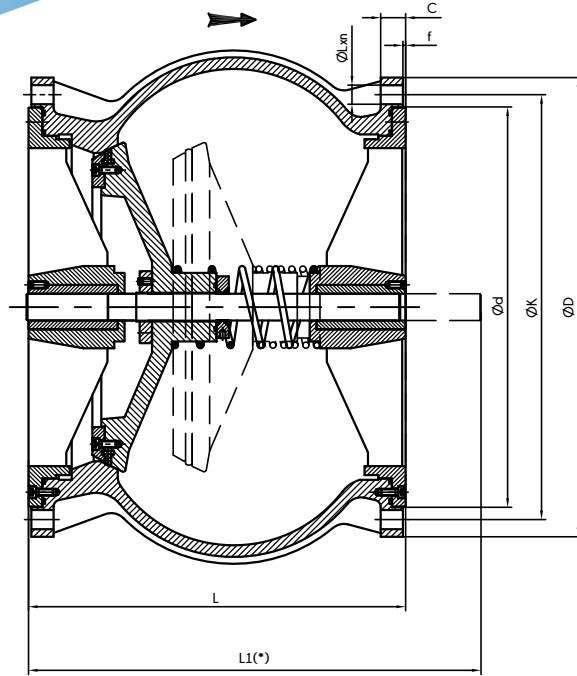
Full waterway design provides full pipeline cross section area around the disc in open position and assures lowest possible headloss.

- Short body, small volume and light weight.
- Because of low weight of moving parts and non-eccentric design, less shock long service life
- Suitable for high flow velocities.
- Drop tight sealing





## MATERIAL PROPERTIES



\* Please contact to technical support for L1 size.

## AXIAL SILENT

## Check Valves

PART NO	DESCRIPTION	MATERIAL
1	Body	Ductile cast iron EN-GJS-400-15
2	Disc	Ductile cast iron EN-GJS-400-15
3	Retaining ring	Steel S235JR
4	Sealing ring	EPDM
5	Hex.socket head cap screw	Stainless steel A2
6	Shaft	Stainless steel X20Cr13
7	Shaft support	Ductile cast iron EN-GJS-400-15
8	Bearing bush	Bronze
9	Hex.socket head cap screw	Stainless steel A2
10	O-ring	EPDM
11	Hex.socket set screw	Stainless steel A2
12	Spring	Stainless steel

\* Other material grades are available upon request.



## PN-10 TECHNICAL INFORMATION

DN	PN	ØD	ØK	Ød	C	f	ØLxn	L	WEIGHT (KG)
100	10	220	180	156	19	3	19x8	175	20
125	10	250	210	184	19	3	19x8	200	27
150	10	285	240	211	19	3	23x8	225	37
200	10	340	295	266	20	3	23x8	275	56
250	10	405	350	319	22	3	23x12	325	95
300	10	460	400	370	24,5	4	23x12	375	130
350	10	520	460	429	26,5	4	23x16	425	140
400	10	580	515	480	28	4	28x16	475	210
450	10	640	565	530	30	4	28x20	500	230
500	10	670	620	582	36,5	4	28x20	550	380
600	10	840	725	682	42	5	31x20	600	455
700	10	910	840	794	39,5	5	31x24	650	570
800	10	1025	950	901	43	5	34x24	700	790
900	10	1125	1050	1000	54	5	34x28	800	1350
1000	10	1255	1160	1112	50	5	37x28	900	1495
1200	10	1485	1380	1328	57	5	41x32	1050	2200

\* Please contact us for other sizes and pressure rates.

## PN-16 TECHNICAL INFORMATION

DN	PN	ØD	ØK	Ød	C	f	ØLxn	L	WEIGHT (KG)
100	16	220	180	156	19	3	19x8	175	20
125	16	250	210	184	19	3	19x8	200	27
150	16	285	240	211	19	3	23x8	225	37
200	16	340	295	266	20	3	23x12	275	56
250	16	405	355	319	22	3	28x12	325	95
300	16	460	410	370	24,5	4	28x12	375	130
350	16	520	470	429	26,5	4	28x16	425	140
400	16	580	525	480	28	4	31x16	475	210
450	16	640	585	547	30	4	31x20	500	230
500	16	715	650	609	36,5	4	34x20	550	385
600	16	840	770	720	42	5	37x20	600	515
700	16	910	840	794	39,5	5	37x24	650	570
800	16	1025	950	902	43	5	41x24	700	790
900	16	1125	1050	1000	54	5	41x28	800	1350
1000	16	1255	1170	1112	50	5	44x28	900	1495
1200	16	1485	1390	1328	57	5	50x32	1050	2200

\* Please contact us for other sizes and pressure rates.



## PN-25 TECHNICAL INFORMATION

DN	PN	ØD	ØK	Ød	C	f	ØLxn	L	WEIGHT (KG)
100	25	235	190	156	19	3	23x8	175	22
125	25	270	220	184	19	3	28x8	200	30
150	25	300	250	211	20	3	28x8	225	40
200	25	360	310	274	22	3	28x12	275	43
250	25	425	370	330	24,5	3	31x12	325	105
300	25	485	430	389	27,5	4	31x16	375	135
350	25	555	490	448	30	4	34x16	425	165
400	25	620	550	503	32	4	37x16	475	220
450	25	670	600	548	34,5	4	37x20	500	237
500	25	730	660	609	36,5	4	37x20	550	390
600	25	845	770	720	42	5	41x20	600	560
700	25	960	875	820	46,5	5	44x24	650	610
800	25	1085	990	928	51	5	50x24	700	900
900	25	1185	1090	1028	55	5	50x28	800	1380
1000	25	1320	1210	1140	60	5	57x28	900	1530
1200	25	1530	1420	1350	74	5	57x32	1050	2225

\* Please contact us for other sizes and pressure rates.

## PN-40 TECHNICAL INFORMATION

DN	PN	ØD	ØK	Ød	C	f	ØLxn	L	WEIGHT (KG)
100	40	235	190	156	19	3	23x8	175	22
125	40	270	220	184	23,5	3	28x8	200	30
150	40	300	250	211	26	3	28x8	225	40
200	40	375	320	284	30	3	31x12	275	43
250	40	450	385	345	34,5	3	34x12	325	110
300	40	515	450	409	39,5	4	34x16	375	140
350	40	580	510	465	44	4	37x16	425	175
400	40	660	585	535	48	4	41x16	475	230
450	40	685	610	560	49	4	41x20	500	240
500	40	755	670	615	52	4	44x20	550	400
600	40	890	795	735	58	5	50x20	600	570
700	40	995	900	840	64	5	50x24	650	620
800	40	1140	1030	960	72	5	57x24	700	1200
900	40	1250	1140	1070	80	5	57x28	800	1485
1000	40	1360	1250	1180	88	5	57x28	900	1550
1200	40	1575	1460	1380	95	5	62x32	1050	2250

\* Please contact us for other sizes and pressure rates.



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