

VAG AW Disk Check Valve

resilient-seated - with lever and weight, vertical type

Waste water



PN 10/16 - DN 50...800

KAT-A 2450-s-V



Product characteristics and benefits

- Resilient seated in accordance with EN 12334
- Face-to-face length acc. to EN 558-1, basic series 48 (DIN 3202, F6)
- With flange ends on both sides acc. to EN 1092-2
- With lever and weight (located on the right in flow direction)
- Lever and weight useable for position indicator
- Connection between shaft and disk by key
- For vertical pipelines (flow from bottom upwards)
- With large access bonnet for easy maintenance

Materials

- Body: Ductile cast iron EN-JS 1030 (GGG-40)
- Bonnet: Ductile cast iron EN-JS 1030 (GGG-40)
- Check valve disk: Ductile cast iron EN-JS 1030 (GGG-40)
- Bonnet bolts: Stainless steel A4 (DIN EN ISO 3506)
- Check valve shaft: Stainless steel 1.4057
- Seat: Zincfree bronze (waste-water resistant)
- Check valve disk seal: NBR
- Shaft bushing: O-rings made of NBR (resistant to waste water)

Corrosion protection

- Inside and outside epoxy coating

Versions

- Standard version as described
- With mounted wire guard of stainless steel 1.4571

Field of Application

- Installation in plants

Tests and approvals

- Final inspection test acc. to EN 12266 (DIN 3230 Part 4)

Note

For safety reasons we recommend to install a protective grid or wire guard. If not included in the scope of the order it must be done on site.

For proper installation and safe operation please follow the installation and operation instructions:
"Installation and Operating Instructions for Valves"

Field of application

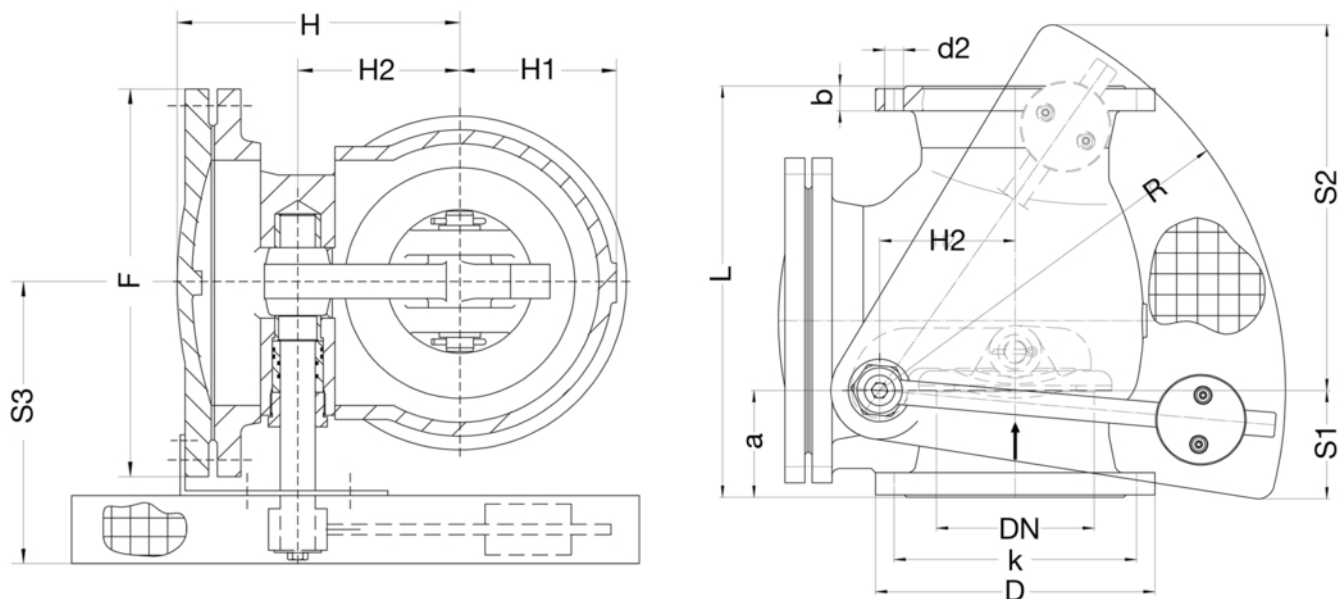
DN	PN	Maximum operating pressure [bar]	Maximum operating temperature for neutral liquids [°C]
50...500	16	16	50
50...800	10	10	50

Pressure test acc. to EN 12266

Test pressure body with water [bar]	Test pressure seat with water [bar]
24	17.6
15	11



Drawing



Technical data

PN 16

DN		50	65	80	100	125	150	200	250	300	350	400	500
D	[mm]	165	185	200	220	250	285	340	405	460	520	580	715
F	[mm]	125	190	210	230	270	310	370	425	490	550	620	730
H	[mm]	130	155	170	200	225	240	280	330	360	410	450	540
H1	[mm]	60	65	75	95	110	120	155	180	200	260	290	310
H2	[mm]	55	70	75	87	114	140	165	195	228	262	300	360
L	[mm]	200	240	260	300	350	400	500	600	700	800	900	1100
R	[mm]	135	165	175	205	240	285	365	450	550	595	680	820
S1	[mm]	72	92	88	93	106	117	119	118	127	140	170	205
S2	[mm]	115	153	166	196	220	273	348	425	522	540	650	890
S3	[mm]	155	175	187	216	233	258	295	345	390	400	495	540
a	[mm]	76	85	90	94	108	115	130	145	148	195	213	217
b	[mm]	19	19	19	19	19	19	20	22	24.5	26.5	28	31.5
d2	[mm]	19	19	19	19	19	23	23	28	28	28	31	34
k	[mm]	125	145	160	180	210	240	295	355	410	470	525	650
No. of holes		4	4	8	8	8	8	12	12	12	16	16	20
Weight of valve approx.	[kg]	17	28	30	38	54	71	125	160	210	355	470	720
Weight of wire guard approx.	[kg]	8	9	10	12	14	16	19	21	25	30	32	42
Volume approx.	[m ³]	0.030	0.040	0.050	0.070	0.090	0.120	0.200	0.320	0.460	0.590	0.840	1.330

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Technical data

PN 10

DN		50	65	80	100	125	150	200	250	300	350	400	500
D	[mm]	165	185	200	220	250	285	340	395	445	505	565	670
F	[mm]	125	190	210	230	270	310	370	425	490	550	620	730
H	[mm]	130	155	170	200	225	240	280	330	360	410	450	540
H1	[mm]	60	65	75	95	110	120	155	180	200	260	290	310
H2	[mm]	55	70	75	87	114	140	165	195	228	262	300	360
L	[mm]	200	240	260	300	350	400	500	600	700	800	900	1100
R	[mm]	135	165	175	205	240	285	365	450	550	595	680	820
S1	[mm]	72	92	88	93	106	117	119	118	127	140	170	205
S2	[mm]	115	153	166	196	220	273	348	425	522	540	650	890
S3	[mm]	155	175	187	216	233	258	295	345	390	400	495	540
a	[mm]	76	85	90	94	108	115	130	145	148	195	213	217
b	[mm]	19	19	19	19	19	19	20	22	24.5	24.5	24.5	26.5
d2	[mm]	19	19	19	19	19	23	23	23	23	23	28	28
k	[mm]	125	145	160	180	210	240	295	350	400	460	515	620
No. of holes		4	4	8	8	8	8	8	12	12	16	16	20
Weight of valve approx.	[kg]	17	28	30	38	54	71	125	160	210	355	470	720
Weight of wire guard approx.	[kg]	8	9	10	12	14	16	19	21	25	30	32	42
Volume approx.	[m ³]	0.030	0.040	0.050	0.070	0.090	0.120	0.200	0.320	0.460	0.590	0.840	1.330

PN 10

DN		600	700	800
D	[mm]	780	895	1015
F	[mm]	910	1025	1115
H	[mm]	615	800	895
H1	[mm]	460	465	515
H2	[mm]	437	477	535
L	[mm]	1300	1500	1700
R	[mm]	950	1000	1200
S1	[mm]	655	1080	943
S2	[mm]	920	1080	943
S3	[mm]	620	700	850
a	[mm]	260	365	350
b	[mm]	30	32.5	35
d2	[mm]	31	31	34
k	[mm]	725	840	950
No. of holes		20	24	24
Weight of valve approx.	[kg]	1000	1700	2230
Weight of wire guard approx.	[kg]	57	85	93
Volume approx.	[m ³]	2.020	2.990	4.500