

PRODUKT DATABLAD

OP350

ROYKON

BUTTERFLYVENTIL

Med håndtag LUG model

PN 10

Overflade

Epoxy coated

Max. arbejdstemp.

110 °C

Lug-type butterflyventil til vand.
Passer til DIN PN10 flanger.
Med håndtag.

KOMPONENT

MATERIALE

STANDARD

VENTILHUS

Duktilt støbejern
EN-GJs-500

GGG40 - PN10

KLAP

Rustfri syrefast stål
AISI 316

DIN EN 1562

SPINDEL

Rustfri stål AISI 420

17440

PAKNING

EPDM/NBR

-

BOLTE & MØTRIK

A2

EN 10088-1

COATNING

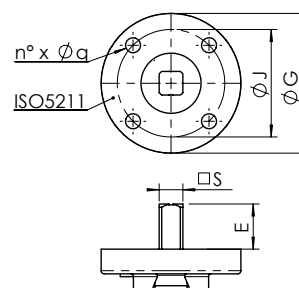
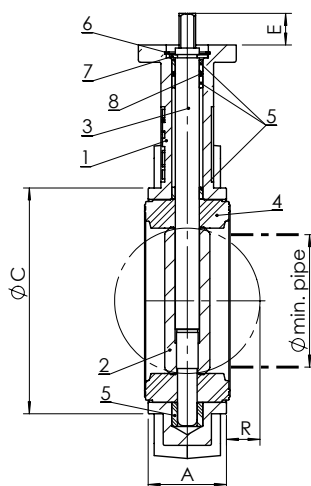
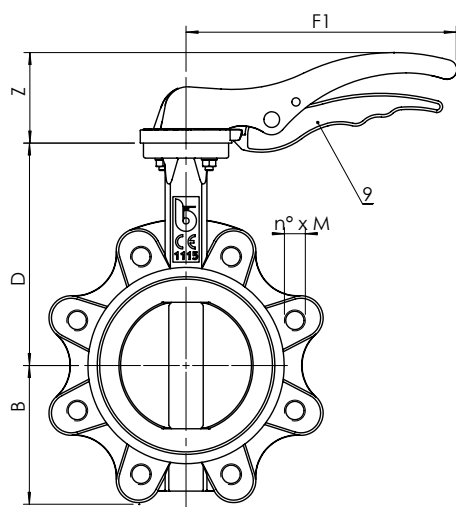
Epoxy coated

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PNEUMAMATISK
AKTUATOR

Aluminium

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WWW.ROYKON.COM

ROYKON A/S

Navervej 8 · 7000 · Fredericia

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DN	VARENR.	A	ØC	D	B	F1	Z	F2	L	T	L1	L2	W	O	R	D MIN RØR	KG
25	-	33	65	104	51	192	68	130	102.5	65	110	130	45	150	-	-	2.6
32	-	33	73	110	56	192	68	130	102.5	65	110	130	45	150	1	12	2.6
40	OP350-40-E	33	82	116	63	170	50	130	102.5	65	110	130	45	150	5	27	2.3
50	OP350-50-E	43	89	126	62	170	50	130	102.5	65	110	130	45	150	5	31	3.2
65	OP350-65-E	46	102	136	69	170	50	130	102.5	65	110	130	45	150	9	45	4.1
80	OP350-80-E	46	118	150	90	206	69	130	102.5	65	110	130	45	150	17	65	5.4
100	OP350-100-E	52	150	170	106	206	69	130	102.5	65	110	130	45	150	26	90	6.7
125	OP350-125-E	56	174	180	119	285	90	130	102.5	65	110	130	45	150	34	110	9.6
150	OP350-150-E	56	205	200	131	285	90	130	102.5	65	110	130	45	150	50	146	10.8
200	OP350-200-E	60	260	230	166	400	72	235	190	78	155	176	63	300	71	194	21.1
250	OP350-250-E	68	318	266	202	530	72	226	190	80	170	200	81	300	91	241	32.7
300	OP350-300-E	78	376	292	235	-	-	226	190	80	170	195	81	300	112	291	41.2
350	-	78	438	368	267	-	-	216	183	80	151	188	80	285	128	324	-
400	-	102	489	400	297	-	-	216	183	80	151	188	80	285	144	379	-
450	-	114	539	422	318	-	-	216	183	80	151	188	80	285	163	428	-
500	-	127	594	480	355	-	-	256	311	125	214	275	168	285	182	475	-
600	-	154	695	562	444	-	-	285	386	136	262	324	293	385	219	573	-

DN	25	32	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
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Mounting between flanges ¹

EN 1092 PN16

EN 1092 PN10

n x M	4 x M12	4 x M16	4 x M16	4 x M16	4 x M16	8 x M16	8 x M16	8 x M16	8 x M20	12 x M20	12 x M24	12 x M24	16 x M20	16 x M24	20 x M24	20 x M24	20 x M27
ISO 5211	F05	F05	F05	F05	F05	F05	F05	F05	F07	F07	F10	F12	F12	F12	F14	F14	F16
G	65	65	65	65	65	65	65	90	90	125	150	150	150	175	175	175	210
J	50	50	50	50	50	50	50	70	70	102	125	125	125	140	140	140	165
n x q	4 x 7	4 x 7	4 x 7	4 x 7	4 x 7	4 x 7	4 x 7	4 x 9	4 x 9	4 x 11	4 x 13	4 x 13	4 x 13	4 x 18	4 x 18	4 x 18	4 x 22
S	7	7	9	9	9	11	11	14	14	17	27	27	31,6	33,15	38	41,15	50,65
E	32	32	21	21	21	21	21	27	27	27	27	27	45	51,2	51,2	64,2	70,2

Operating torque (Nm)

DP bar																	
3	2,9	4,7	7,8	11,3	17	23	33	48	68	120	189	290	298	481	930	1250	2270
6	3,1	5,1	8,4	12	18	25	36	54	78	134	212	316	347	551	980	1350	2500
10	3,3	5,4	8,8	13	20	26	40	61	88	148	234	342	396	622	1200	1500	2700
16	3,4	5,7	9,2	13	21	28	44	68	99	162	257	367	-	-	-	-	-

N.B.: In order to choose the right actuator, we recommend multiplying the operating torque figure by a safety coefficient, K=1.5

Kv - DN chart (mc/h per bar)

DN	mm	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
	ins	1" 1/2	2"	2" 1/2	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"
10°	0,04	0,05	0,00	0,17	0,26	0,43	0,69	2,6	2,6	3,5	5,2	6,9	9,5	12	19	
20°	2,1	2,6	3,8	7,8	15	25	39	52	130	202	292	401	531	683	1055	
30°	4,8	6	14	16	31	53	82	142	276	427	617	849	1124	1445	2234	
40°	10	13	33	34	67	115	177	250	599	926	1376	1839	2437	3133	4840	
50°	19	23	53	60	120	205	316	450	1068	1650	2384	3279	4342	5609	8626	
60°	30	38	75	100	199	339	522	713	1768	2730	3945	5425	7185	9238	14272	
70°	48	60	98	158	314	535	827	1122	2798	4322	6243	8585	11371	14620	22587	
80°	73	91	108	237	471	803	1241	1723	4196	6483	9364	12878	17057	21930	33882	
90°	79	99	108	261	518	883	1364	2716	4611	7124	10291	14152	18743	24099	37232	

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Maximum pressure

Fluids *	Mounting	
	BETWEEN FLANGES	END OF LINE
Hazardous gases	16 bar DN25-200 10 bar DN250-350 NO DN400-600	10 bar DN25-100 NO DN125-600
Non-hazardous gases	16 bar DN25-300 10 bar DN350-500 6 bar DN600	10 bar DN25-300 6 bar DN350-500 4 bar DN600
Hazardous fluids	16 bar DN25-400 10 bar DN450-600	10 bar DN25-400 6 bar DN450-600
Non-hazardous fluids	16 bar DN25-400 10 bar DN450-600	10 bar DN25-400 6 bar DN450-600

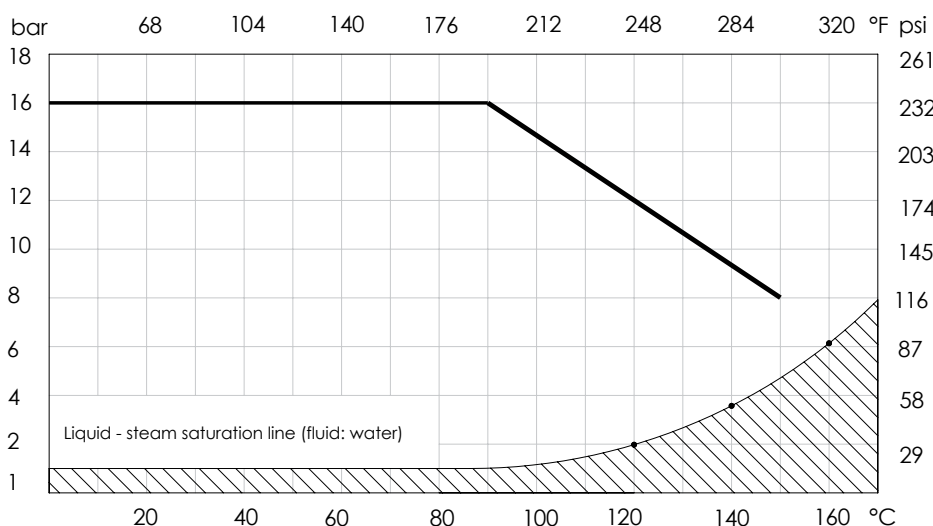
*: Hazardous gas, liquids (explosive, inflammable, toxic) in accordance with 2014/68/UE and 1272/2008 (CLP)

Temperature

Temperature	min °C	Max°C	
		continuous	peak
EPDM	-10	120	130
NBR	-10	80	90
FKM (Viton®)	-10	150	170
PTFE	-10	120	120

NB: the maximum working pressure decreases while the temperature increases; please refer to "pressure/temperature" chart

Pressure/temperature chart



RANGE NOT SUITABLE FOR STEAM. DO NOT use when temperature and pressure are below the liquid-steam saturation line (hatched area)



Head loss Fluid: water (1m H₂O = 0,098bar) - Head loss with shutter completely open

