EagleBurgmann
a member of EKK and FREUDENBERG

RELY ON EXCELLENCE

AD510 / AD520

Mechanical seals | Agitator seals | Dry running seals

Features
- Dry running
- Single seal
- Independent of direction of rotation

Advantages
AD510 includes housing

Operating range
Pressure:
p = vacuum (7 mbara) ... 5 bar (73 PSI)
Temperature:
t = -30 °C ... +175 °C (-22 °F ... +347 °F)
Sliding velocity: vg = max. 1.0 m/s (3 ft/s)
Allowable gas consumption: 2 Nl/h

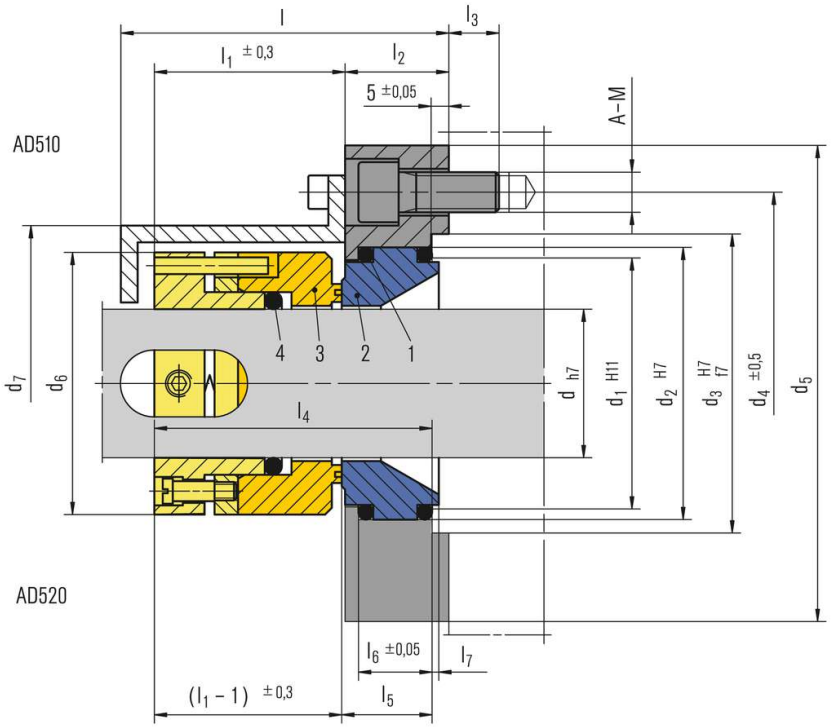
! It should be noted that the extremal values of each operating parameter cannot be applied at the same time because of their interaction.

Materials
Seal face: PTFE, Carbon fiber and glass fiber reinforced
Seat: Silicon carbide (Q1), Aluminium oxide (V)

Notes
Options:
Cooling jacket on the vessel side flange and carbon bush and
version with gas flushing line and lip seal.
Please inquire.

Recommended applications
- Chemical industry
- Pharmaceutical industry
- Food and beverage industry
- Reactors
- Polymerization agitators
- Mixers

All technical specifications are based on extensive tests and our many years of experience. The diversity of possible applications, however, means that they can serve only as guide values.
We must be notified of the exact conditions of application before we can provide any guarantee for a specific case. This is subject to change.



Item	Description
1	O-Ring
2	Seat
3	Seal face
4	O-Ring

Product variants

AD520

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Dimensions

d	d_1	d_2	d_3	d_4	d_5	d_6	d_7	l	l_1	l_2	l_3	l_4	l_5	l_6	l_7	A-M
20	36	42	50	70	90	46	60	77	44	24	11	63	20	16	2	4-M8
25	41	47	55	75	95	51	65	77	44	24	11	63	20	16	2	4-M8
30	46	52	60	80	100	56	70	77	44	24	11	63	20	16	2	4-M8
35	51	57	65	85	105	61	75	77	44	24	11	63	20	16	2	4-M8
40	60	66	75	95	120	70	85	82	47	26	12	68	22	18	2	4-M10
45	65	71	80	100	125	75	90	82	47	26	12	68	22	18	2	4-M10
50	70	76	85	105	130	80	95	82	47	26	12	68	22	18	2	8-M10
55	75	81	90	110	135	85	100	82	47	26	12	68	22	18	2	8-M10
60	85	91	100	120	145	92	110	89	51	28	12	74	24	20	2	8-M10
65	90	96	105	125	150	97	115	89	51	28	12	74	24	20	2	8-M10
70	95	101	110	130	155	102	120	91	51	30	12	76	26	21	2	8-M10
75	104	110	120	140	165	109	130	91	51	30	12	76	26	21	2	8-M10
80	109	115	125	150	178	114	130	98	57	31	15	83	27	22	2	8-M12
85	114	120	130	155	183	120	140	98	57	31	15	83	27	22	2	8-M12
90	119	125	135	160	188	124	140	98	57	31	15	83	27	22	2	8-M12
95	124	130	140	165	193	130	150	98	57	31	15	83	27	22	2	8-M12
100	129	135	145	170	198	134	150	98	57	31	15	83	27	22	2	8-M12
105	134	140	150	175	203	140	160	98	57	31	15	83	27	22	2	8-M12
110	139	145	155	180	208	146	165	98	57	31	15	83	27	22	2	8-M12
120	150	160	170	200	236	160	180	110	63	37	20	95	33	27	3	8-M16
130	160	170	180	210	246	170	190	110	63	37	20	95	33	27	3	8-M16
140	175	185	195	225	260	180	200	110	63	37	20	95	33	27	3	8-M16
150	190	200	210	240	276	200	225	136	85	40	20	120	36	30	3	8-M16
160	200	210	220	250	286	210	230	136	85	40	20	120	36	30	3	8-M16
170	210	220	230	260	296	220	250	136	85	40	20	120	36	30	3	8-M16
180	220	230	240	270	306	230	250	136	85	40	20	120	36	30	3	8-M16

Dimensions in millimeter

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