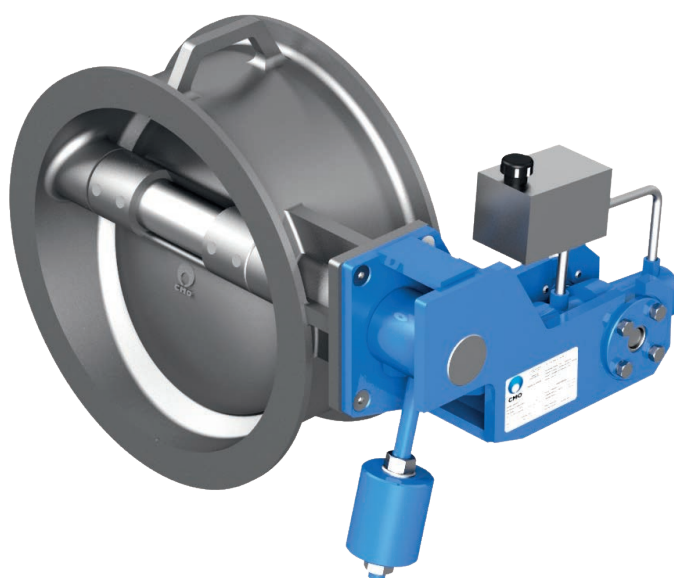


R SERIES

UNIDIRECTIONAL WAFER TYPE CHECK VALVE



R SERIES

DESCRIPTION

- Wafer type swing disk check valve type (can be manufactured with flanges on request).
- One-piece cast body with an internal conical shape which provides easy evacuation of the solid particles contained in the flow.
- High flow rates with low load losses.
- Low pressure opening
- Face-to-face distance in accordance with **CMO Valves** standards.
- It has an arrow on the body indicating the flow direction.
- The **R** swing check valve only lets fluid through in one direction. It is opened by the fluid passing through and it closes due to the weight of the disc and the return of the fluid in a short time.

SIZES

DN50 to DN1200.

Other DN's on request.

GENERAL APPLICATIONS

This check valve is suitable for liquids that contain a maximum of 5% suspended solids.

Designed for a wide range of applications such as:

- Paper industry.
- Sewage treatment.
- Chemical plants.
- Pumping.

FLANGE DRILLING

Valid for all types of installations with standard flanges

WORKING PRESSURE (ΔP)

DN50-DN250	40 bar
DN300-DN600	25 bar
DN700-DN1200	16 bar

Other pressures on request.

ACCESSORIES AND OPTIONS

- Counterweight and/or shock absorber.
- It can be supplied with an auxiliary spring to obtain faster sealing.
- Flanged manufacturing.

DIRECTIVES

See document of directives applicable to **CMO Valves**.

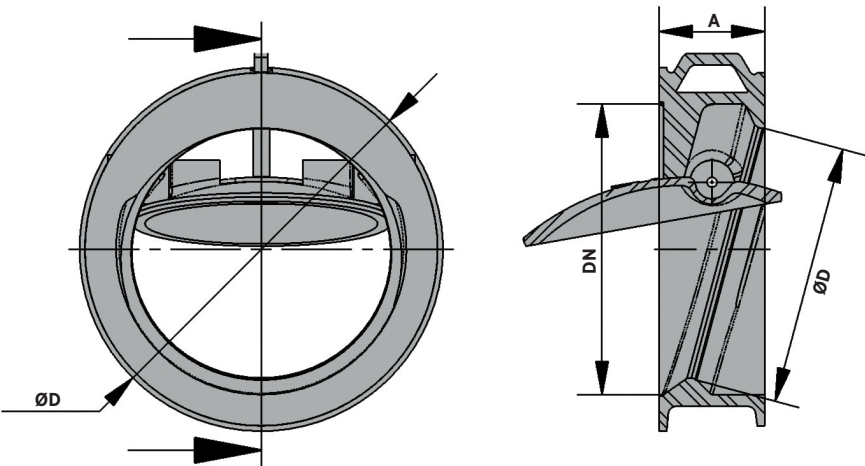


*For further information on categories and zones please contact **CMO Valves**. Technical-Commercial Department.*

QUALITY DOSSIER

All valves are tested hydrostatically at **CMO Valves** and material and test certificates can be provided.

- Body test = working pressure x 1.5.
- Seal test = working pressure x 1.1.



OPTIONS

STANDARD



SPRING



COUNTERWEIGHT



BACKPRESSURE FOR COUNTERWEIGHT + DAMPER

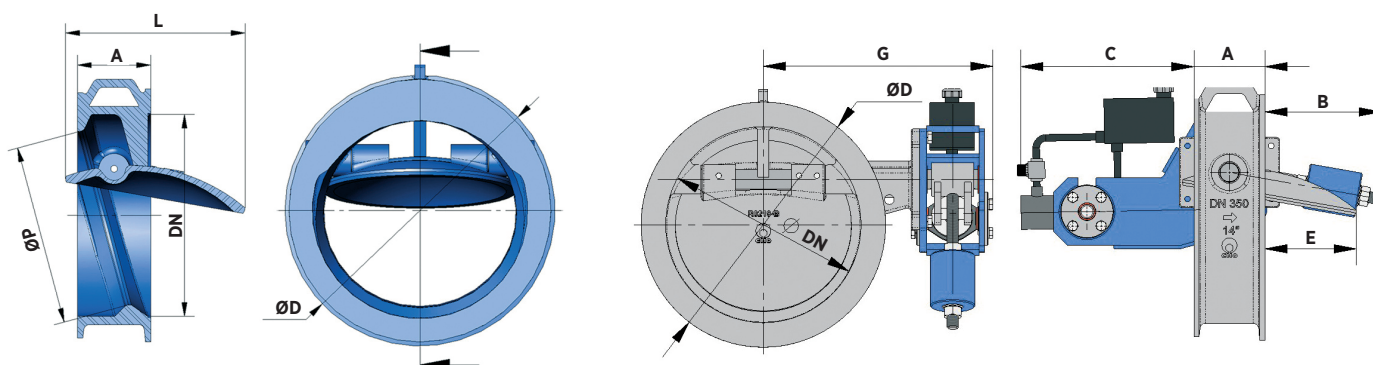
DN	150	200	250	300	350	400	450	500	600	700	800
Back pressure	5	5	3	3	3	2,5	2,5	2,5	2	2	2

No obligation consultation on dimensions and drawings. CMO Valves reserves the right to modify them at any time, at its discretion and without prior notice.

Maximum closing time 8 seconds.

Use hydraulic oil.

SERIES - R STANDARD VERSION / DAMPER + COUNTERWEIGHT



MANUFACTURING RANGE

DIMENSIONS - R

DN	VALID FOR THE FOLLOWING FLANGES								A	ØP	L	Weight	ØD
	PN6	PN10	PN16	PN25	PN40	PN64	ASA150	ASA300					
40	87	94	94	94	94	103	83	93	33	34	45	0,6	94
50	97	107	107	107	107	113	102	109	43	44	60	1	107
65	117	127	127	127	127	138	121	128	46	58	70	1,1	127
80	132	142	142	142	142	148	134	147	64	72	90	2	142
100	152	162	162	162	168	174	172	178	64	90	102	3	162
125	182	194	194	194	194	211	194	213	70	112	120	4	192
150	207	219	219	224	224	248	219	248	76	135	140	6	218
200	262	273	273	284	291	310	273	305	89	180	185	10	273
250	317	329	329	340	352	365	337	359	114	225	220	15	328
300	373	378	384	401	418	425	407	420	114	270	262	21	378
350	423	438	444	458	475	487	448	483	127	315	310	30	438
400	473	490	496	515	547	544	512	537	140	365	360	40	489
450	528	539	556	565	586	603	547	594	152	420	400	52	539
500	578	594	618	625	629	657	604	652	152	460	450	62	594
600	679	696	735	732	747	764	715	771	178	555	535	94	696
700	784	811	805	834	852	879	828	895	229	650	620	172	811
800	891	918	912	943	974	988	935	1004	241	740	715	236	918
900	991	1018	1012	1043	1084	1108	1043	1115	275	835	800	303	1018
1000	1091	1124	1128	1154	1194	1220	-	-	300	940	920	564	1122
1200	1307	1341	1342	1364	1398	1452	-	-	350	1140	1147	-	1340

Optionally, an outer centring ring can be added.

Larger sizes on request.

Bodies greater than DN1200 mechanical-welded construction.

► Width between faces according to EN 558 Table 2 Series 16.

DIMENSIONS - R + DAMPER + COUNTERWEIGHT

DN	VALID FOR THE FOLLOWING FLANGES								A	B	C	E	G	ØD
	PN6	PN10	PN16	PN25	PN40	PN64	ASA150	ASA300						
50*	97	107	107	107	107	113	102	109	43	121	-	17	225	107
65*	117	127	127	127	127	138	121	128	46	121	-	24	240	127
80*	132	142	142	142	142	148	134	147	64	121	-	26	255	142
100*	152	162	162	162	168	174	172	178	64	138	-	35	272	162
125	182	194	194	194	194	211	194	213	70	138	240	50	280	192
150	207	219	219	224	224	248	219	248	76	142	245	67	285	218
200	262	273	273	284	291	310	273	305	89	155	250	96	309	273
250	317	329	329	340	352	365	337	359	114	160	261	110	330	328
300	373	378	384	401	418	425	407	420	114	160	270	145	356	378
350	423	438	444	458	475	487	448	483	127	215	308	168	398	438
400	473	490	496	515	547	544	512	537	140	230	334	190	452	489
450	528	539	556	565	586	603	547	594	152	382	367	221	515	539
500	578	594	618	625	629	657	604	652	152	428	398	252	580	594
600	679	696	735	732	747	764	715	771	178	472	412	319	609	696
700	784	811	805	834	852	879	828	895	229	510	443	380	659	811
800	891	918	912	943	974	988	935	1004	241	590	346	390	730	918
900	991	1018	1012	1043	1084	1108	1043	1115	275	590	365	468	805	1018
1000	1091	1124	1128	1154	1194	1220	-	-	300	623	370	526	825	1122
1200	1307	1341	1342	1364	1398	1452	-	-	350	645	392	587	1044	1340

Optionally, an outer centring ring can be added.

Larger sizes on request.

Bodies greater than DN1200 mechanical-welded construction.

► Width between faces according to EN 558 Table 2 Series 16.

* Valve diameters equal to or less than DN100, are only manufactured with a counterweight, without the damper option.