

Technical features

Standard	DIN EN 593 - Double Flanged
Face to face	DIN EN 558 Series 14 (DIN 3202 F4)
Flange dimension	DIN Flanges acc. to EN 1092-2/B (DIN 2501)
Flange connection	PN 16
Options	Rubber lining, Closing at stroke end, Vertical mounting, Double hydraulic damping

• Ductile Iron Dikkan double flanged tilting type check valves with hydraulic damping device for entire stroke, minimizing disc slams and water hammer, replaceable EPDM sealing ring and stainless steel shaft supported by bronze bearing bush. Body seat stainless steel welded and microfinished, face to face length acc. to EN 558 Series 14.

• Application: Neutral water, drinking water, waste water, irrigation lines, water supply stations.

Pressure & temperature ranges

Bore	Pressure rating	Working pressure [bar]		Hydro test pressure [bar]	
		120 °C	Casing	Closure	
DN 150 - DN 1400	PN 16	16	24	17.6	

Material specifications

Dikkan Figure No.	291.KK7.PN16	291.KK4.PN16	291.KK6.PN16
Part No. Component	GGG40 / X20Cr13	GGG40 / AISI304	GGG40 / AISI316
1 Body	GGG40	GGG40	GGG40
2 Disc	GGG40	GGG40	GGG40
3 Shaft	X20Cr13	AISI304	AISI316
4 Retaining ring	GGG40	AISI304	AISI316
5 Bearing bush	Bronze + Delrin	Bronze + Delrin	Bronze + Delrin
6 Sealing ring	EPDM	EPDM	EPDM
7 Fixings	Steel	A2	A4

Dikkan figure options

291.227.PN16	Cast steel body, X20Cr13 internal component
291.224.PN16	Cast steel body, AISI304 internal component
291.226.PN16	Cast steel body, AISI316 internal component

Dimensions

DN [mm]	Max. WP [bar]	Flange Connection	ØD [mm]	L [mm]	e1 [mm]	e2 [mm]	h1 [mm]	h2 [mm]	Weight [kg]
150	16	PN16	285	210	143	265	276	316	45
200	16	PN16	340	230	208	357	297	364	85
250	16	PN16	395	250	226	357	463	385	108
300	16	PN16	445	270	259	400	523	452	140
350	16	PN16	505	290	289	468	325	435	194
400	16	PN16	565	310	315	477	480	485	260
450	16	PN16	615	330	355	550	335	425	273
500	16	PN16	670	350	375	566	525	595	360
600	16	PN16	780	390	450	657	580	645	513
700	16	PN16	895	430	495	750	603	755	798
800	16	PN16	1015	470	561	812	644	872	1028
900	16	PN16	1115	510	660	933	707	1010	1382
1000	16	PN16	1230	550	684	1045	705	1198	2175
1200	16	PN16	1455	630	960	938	1055	1110	2170
1400	16	PN16	1675	710	1240	1210	1210	1295	2950



Ductile Iron Body
Stainless Steel Stem
PN 16

Dikkan figure 291.K-PN16

